ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_021

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

SUBMITTAL TO:
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Original Report Date: August 29, 2011
Report Revision #: N/A
Revision Date: N/A
Total # of Pages: 750

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
This is an original submittal of the final report package.

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

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

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

SW8260B:
The method blanks 1G28012-BLK1, 1G13002-BLK1,1G31001-BLK1, and 1G13001-BLK1 have positive results for Hexachlorobutadiene.

The batch spike associated to batch 1G31001 exceeded recovery criteria with a negative bias and relative percent difference criteria for Bromomethane.

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

The continuing calibration verifications exceeded criteria in 1G21102-CCV1 with a negative bias for Bromomethane and with a positive bias for Chloroethane, in 1G21201-CCV1 with a positive bias for Carbon Disulfide and Chloroethane, in 1H21501-CCV1 with a positive bias for Carbon Disulfide, in 1H21502-CCV1 with a negative bias for Bromomethane and with a positive bias for 2-Hexanone, and in 1H21601-CCV1 with a negative bias for Bromomethane and with positive bias for Chloroethane and 2-Hexanone

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

SW8270C BNA:
The surrogate 2,4,6-Tribromophenol exceeded criteria with a negative bias in 1107224-01. The surrogate 2-Fluorobiphenyl exceeded criteria with a negative bias in sample 1108004-07.

The method blank 1G29004-BLK1 has a positive result for Bis(2-ethylhexyl)phthalate. The method blank 1G28008-BLK1 has a positive result for Bis(2-ethylhexyl)phthalate and Caprolactam.

The batch spike associated to batch 1G28008 exceeded criteria with a negative bias for Caprolactam and with a positive bias for 4-Nitroaniline. The batch spike associated to batch 1G29004 exceeded criteria with a positive bias Butylbenzylphthlate and Bis(2-ethylhexyl)phthalate and with a negative bias for Caprolactam. The batch spike associated to batch 1H01006 exceeded criteria with a negative bias for Caprolactam.

The matrix spikes associated to sample 1107251-01 exceeded recovery criteria with a positive bias for Butylbenzylphthalate, Bis(2-ethylhexyl)phthalate, and Di-n-octylpthalate, exceeded recovery criteria with a negative bias for Caprolactam, and exceeded relative percent difference criteria for 4-Chloro-3-methylphenol, 2-Chlorophenol, 2,4-Dichlorophenol, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrotoluene, 2-Nitrophenol, Pentachlorophenol, 2,4,6-Trichlorophenol, and 2,4,5-Trichlorophenol.

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

The continuing calibration verifications exceeded criteria in 1H21312-CCV1 with a negative bias for Benzidine and with a positive bias for Benzo(b)fluoranthene, 2-Chloronaphthalene, Di-n-octylphthalate, and Bis(2-ethylhexyl)phthalate, in 1H21402-CCV1 with a positive bias for Benzo(b)fluoranthene, Butylbenzylphthalate, 2-Chloronaphthalene, Di-n-octylphthalate, and Bis(2-ethylhexyl)phthalate and with a negative bias for 4-Nitrophenol, in 1H21605-CCV1 with a negative bias for Benzoic Acid, 4-Bromophenyl phenyl ether, Caprolactam, 2,2'-Oxybis-1-chloropropane, Dibenzofuarn, and Isophorone, in 1H21707-CCV1 with a positive bias for Di-n-octylphthalate and with a negative bias for 1,2-Diphenylhydrazine and Nitrobenzene, in 1H21802-CCV1 with a positive bias for Benzidine, Butylbenzylphthalate2-Chloronaphthalene, Di-n-octylphthalate, and

Bis(2-ethylhexyl)phthalate, in 1H22312-CCV1 with a positive bias for Benzidine, Butylbenzylphthalate, 2,2'-Oxybis-1-chloropropane, 3,3'-Dichlorobenzidine, Di-n-octylphthalate, and Bis(2-ethylhexyl)phthalate, in 1H22413-CCV1 with a negative bias for Atrazine and Benzaldehyde and with a positive bias for Benzidine, Butylbenzylphthalate, and Bis(2-ethylhexyl)phthalate, in 1H22707-CCV1 with a positive bias for Benzidine, Butylbenzylphthalate, 2,2'-Oxybis-1-chloropropane, Di-n-octylphthalate, Bis(2-ethylhexyl)phthalate, 4-Methylphenol, Pyrene, and Terphenyl-d14 and with a negative bias Hexachlorobutadiene, and in 1H22708-CCV1 with a positive bias for Benzidine, Butylbenzylphthalate, Di-n-octylphthalate, Pyrene, and Bis(2-ethylhexyl)phthalate.

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

SW8015B GRO:
The continuing calibration verifications exceeded criteria in 1H21404-CCV1, -CCV2, and –CCV3 with a positive bias for Bromofluorobenzene, and in 1H22010-CCV1, -CCV2, 1H22404-CCV1, and –CCV2 with a positive bias for Bromofluorobenzene and Gasoline Range Organics. Due to the high bias for Bromofluorobenzene in the CCVs surrounding the following batch QC and samples, the surrogate recoveries were exceeded with a positive bias: 1107237-01, -03, -05, -07, 1107251-01, 1108004-01, -03, -05, -07, 1H02020-BLK1, -BS1, -MS1, and –MSD1.

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

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

SW8015B DRO:
The matrix spike duplicate associated to sample 1107251-01 exceeded criteria with a negative bias for Diesel Range Organics.

The surrogate o-Terphenyl exceeded criteria with a negative bias in 1G29008-MSD1.

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

SW8011 EDB:
Due to analyst oversight samples 1107224-01, -03, and -05 were analyzed less than 24 hours after the method recommended holding time.

The batch spike associated to batch 1H09023 was not spiked with spiking solution. The samples were not re-extracted due to a matrix spike and matrix spike duplicate (non-client samples) that were extracted with this batch and were in criteria.

The matrix spikes associated to sample 1107251-01 exceeded criteria with a positive

bias for on column 21for 1,2-Dibromoethane.

The continuing calibration verifications exceeded criteria in 1H21907-CCV3 and –CCV4 with a negative bias on column 2 for 1,2-Dibromoethane, in 1H22903-CCV1, –CCV3, and 1H22907-CCV2 with a positive bias on column 1 for 1,2-Dibromoethane.

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

SW6010B:
No anomalies or deviations are noted.

Wet Chemistry:
Samples 1107209-01, -03, 1107224-01, -03, -05, 1107237-01, -03, -05, -07, 1107251-01, 1108004-01, -03, -05, and -07 are qualified with an M for Chloride (1.0mg/L) and Sulfate as SO4 (2.5mg/L) to indicate that the LOQ was raised to the level indicated which is the level of the RL standard within criteria. Samples 1107209-01, -03, 1107224-01, and -03 are qualified with an M for Ammonia as N to indicate that the LOD and LOQ were raised due to matrix interference.

The method blanks 1H02013-BLK1 has results for Ammonia as N. The continuing calibration blanks 1G21702-CCB2, 1H22106-CCB3 and –CCB4 have positive results for Chloride.

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

The initial calibration verification 1H22004-ICV1 and continuing calibration verification 1H22004-CCV2 exceeded criteria with a positive bias for Ammonia as N.

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

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

Analytical Report Terms and Qualifiers

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

S: The associated internal standard failed criteria.

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

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

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

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

LIMS Definitions / Naming Conventions:

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

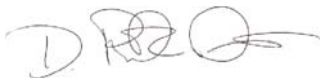
BLK: LIMS assigns a unique identifier to the Method Blank by naming it as the letters BLK appended to the Batch ID. A Method Blank is an analyte-free matrix to which all reagents are added in the same volumes or proportions as used in sample processing. The Method Blank is used to assess for possible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

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

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

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

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



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

ORGANIC CALCULATIONS

GC/MS Volatiles

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

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

GC/MS Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW079

12

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

Samples Shipment Date: 25 JUL 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306614465

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw ENV	Date: 7/25/11 Time: 1600	1. Received By (Signature/Affiliation)	Date: Time:
2. Relinquished By (Signature/Affiliation)	Date: Time:	2. Received By (Signature/Affiliation)	Date: Time:
3. Relinquished By (Signature/Affiliation)	Date: Time:	3. Received By (Signature/Affiliation) Reginald Talley 3.1°C	Date: 7.26.11 Time: 9:00

Comments:

1107209

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-02	GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

Kirtland_021 Summ Package

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW079

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0207	KAFB-106074-WG-GW0207-REG	25 JUL 2011	14:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0242	KAFB-106102-WG-GW0242-REG	25 JUL 2011	11:00	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW8079-TB	FIELDQC-BW-GW8079-TB-TB	25 JUL 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1107209 Number of Coolers: 1 of 1

Client: Shaw Project: Kirtland

Date/Time Received: 7.26.11 0900 Date cooler(s) opened: 7.26.11

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

Circle response below as appropriate

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

If applicable, enter airbill number here: 4465

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

How many: 1 Seal date: 7.25.11 Seal Initials: ?

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

Type of Coolant: WET DRY BLUE NONE

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

Dates samples were logged-in: 7.26.11

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

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

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

Ph for sulfide was >9

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW080

15

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

Samples Shipment Date: 26 JUL 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306614476

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: 7-26-11 Time: 1500hrs
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: 7-27-11 Time: 09:00

Comments:

110722Y

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
↓	GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-02	GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-02	GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-01	GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		

Kirtland_021 Summ Package

Shaw™
Shaw E & I, Inc.

110724

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW080

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0174	KAFB-106044-WG-GW0174-REG	26 JUL 2011	12:56	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-03 GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04 GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-03 GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-04 GW0175	KAFB-106045-WG-GW0175-REG	26 JUL 2011	10:27	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-05 GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-06 GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-05 GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
GW0239	KAFB-106100-WG-GW0239-REG	26 JUL 2011	12:23	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW080

1107224

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-07 GW8080-TB	FIELDQC-BW-GW8080-TB-TB	26 JUL 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 110724 Number of Coolers: 1 of 2

Client: Shaw Project: Kirtland

Date/Time Received: 7.27.11 0900 Date cooler(s) opened: 7.27.11

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

Circle response below as appropriate

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

EL Courier Other: _____

If applicable, enter airbill number here: 4476

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

How many: 1 Seal date: 7.26.11 Seal Initials: ?

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

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

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

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

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

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

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 0.9 °C Correction Factor: +1.4 °C Final Value: 2.3 °C

Dates samples were logged-in: 7-27-11

9. Initial this form to acknowledge login of sample(s): (Name): [illegible] (Initial): [illegible]

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

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

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

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

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

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

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

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

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

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

- pH<2 for all Ammonia, NO_2+NO_3, & metals samples
- pH 12 for all Sulfides.

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1107224 Number of Coolers: 2 of 2

Client: Shaw Project: Kirtland

Date/Time Received: 7.27.11 0900 Date cooler(s) opened: 7.27.11

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

Circle response below as appropriate

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

EL Courier Other: _____

If applicable, enter airbill number here: 4487

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

How many: 1 Seal date: 7.26.11 Seal Initials: ?

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

Type of Coolant: (WET) DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 1.6 °C Correction Factor: +1.4 °C Final Value: 3.0 °C

Dates samples were logged-in:

9. Initial this form to acknowledge login of sample(s): (Name): _____ (Initial): _____

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

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

See pg 1

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW081

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

Samples Shipment Date: 27 JUL 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306614498

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 ENV Date: 7/27/11 Time: 1600
2. Relinquished By (Signature/Affiliation) Date: Time:
3. Relinquished By (Signature/Affiliation) Date: Time:

1. Received By (Signature/Affiliation) Date: Time:
2. Received By (Signature/Affiliation) Date: Time:
3. Received By (Signature/Affiliation) 3.4°C Date: 7-28-11 Time: 04:00

Comments:

110737

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-01	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		

Shaw
Shaw E & I, Inc.

1107237

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW081

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-02	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-01	GW0170	KAFB-106042-WG-GW0170-FD	27 JUL 2011	12:46	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-03	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-04	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0171	KAFB-106042-WG-GW0171-REG	27 JUL 2011	12:46	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-05	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-06	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-05	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
-06	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-05	GW0237	KAFB-106099-WG-GW0237-REG	28 JUL 2011	16:12	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

Shaw™
Shaw E & I, Inc.

110237

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW081

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-07	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-08	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-07	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
-08	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-07	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0238	KAFB-106099-WG-GW0238-FD	28 JUL 2011	16:12	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
-09	GW8081-TB	FIELDQC-BW-GW8081-TB-TB	27 JUL 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1107237 Number of Coolers: 1 of 2

Client: SHAW E&I Project: Kirtland AFB

Date/Time Received: 7-28-11 09:00 Date cooler(s) opened: 7-28-11

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

Circle response below as appropriate

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

EL Courier Other: _____

If applicable, enter airbill number here: 4498

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

How many: 2 Seal date: 7-27-11 Seal Initials: ?

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

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

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

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

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

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

Type of Coolant: WET DRY BLUE NONE

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

Dates samples were logged-in: 7-28-11

9. Initial this form to acknowledge login of sample(s): (Name): [signature] (Initial): [initials]

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

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

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

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

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

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

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

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

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

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

- pH < 2 for all ammonia, NO_2+NO_3, & metals
- pH > 9 for all Sulfides

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 110723J Number of Coolers: 2 of 2

Client: Shaw E&I Project: Kirtland AFB

Date/Time Received: 7-28-11/09:00 Date cooler(s) opened: 7-28-11

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

~~Circle~~ response below as appropriate

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

If applicable, enter airbill number here: 4502

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

How many: 2 Seal date: 7-27-11 Seal Initials: ?

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

Type of Coolant: WET DRY BLUE NONE

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

Dates samples were logged-in: 7-28-11

9. Initial this form to acknowledge login of sample(s): (Name): [signature] (Initial): [initials]

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

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

Sec 1 of 2

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705GW082

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

Samples Shipment Date: 28 JUL 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306614524

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 ENV — Date: 7/28/11 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] 25°C — Date: 7.29.11 Time: 0900

Comments:

1107251

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01 GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		

Shaw™
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705GW082

Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0145	KAFB-106015-WG-GW0145-REG	28 JUL 2011	13:56	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0145-MS	KAFB-106015-WG-GW0145-MS-MS	28 JUL 2011	13:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0145-MSD	KAFB-106015-WG-GW0145-MSD-MSD	28 JUL 2011	13:56	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705GW082

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-03	GW8082-TB	FIELDQC-BW-GW8082-TB-TB	28 JUL 2011	10:48	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1107251 Number of Coolers: 1 of 2

Client: SHAW E&I INC. Project: KIRTLAND AFB

Date/Time Received: 7.29.11 9:00 Date cooler(s) opened: 7.29.11

Opened By (print): Russ Townsend (signature): [signature]

Circle response below as appropriate

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

If applicable, enter airbill number here: 4535

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

How many: 1 Seal date: 7.28.11 Seal Initials: ?

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

Type of Coolant: WET DRY BLUE NONE

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

Dates samples were logged-in: 7.29.11

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

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

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

Ph for sulfide was >9

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 110725 Number of Coolers: 2 of 2

Client: SHAW E&I INC. Project: KirtLand AFB

Date/Time Received: 7.29.11 9:00 Date cooler(s) opened: 7.29.11

Opened By (print): Russ Townsend (signature): [signature]

Circle response below as appropriate

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

If applicable, enter airbill number here: 4524

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

How many: 1 Seal date: 7.28.11 Seal Initials: ?

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

Type of Coolant: WET DRY BLUE NONE

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

Dates samples were logged-in: 7.29.11

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

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

See pg 1

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW8083

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

Samples Shipment Date: 29 JUL 2011
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306615446

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw Date: 7/29/11 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: 7-30-11 Time: 11:00

Comments:

1108004

Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01 GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-02 GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		

Kirtland_021 Summ Package

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW8083

1108004

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-01	GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-02	GW0143	KAFB-106012-WG-GW0143-REG	29 JUL 2011	13:58	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
-04	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-03	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0150	KAFB-106020-WG-GW0150-REG	29 JUL 2011	14:40	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
-05	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
-06	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-05	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
-06	GW0233	KAFB-106013-WG-GW0233-REG	29 JUL 2011	10:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW8083

1108004

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
-07	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
-08	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			Y		
-07	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	250 mL HDPE	1	Zinc Acetate and NaOH>	Sulfide by SM4500S-2CF			N		
	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
-08	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
-07	GW0241	KAFB-106101-WG-GW0241-REG	29 JUL 2011	11:37	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
-09	GW8083-TB	FIELDQC-BW-GW8083-TB-TB	29 JUL 2011	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108004 Number of Coolers: 1 of 3

Client: Shaw Inc Project: Kirtland AFB

Date/Time Received: 7-30-11/1100 Date cooler(s) opened: 7-30-11

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

Circle response below as appropriate

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

EL Courier Other: _____

If applicable, enter airbill number here: USPS

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

How many: 1 Seal date: 7-29-11 Seal Initials: ?

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

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

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

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

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

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

Type of Coolant: WET DRY BLUE NONE

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

Dates samples were logged-in: 8-1-11

9. Initial this form to acknowledge login of sample(s): (Name): Chris Donald (Initial): CD

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

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

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

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

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

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

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

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

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

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

* pH<2 for all NO_2+NO_3, ammonia, & metals samples
* pH>9 for all sulfides

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108004 Number of Coolers: 2 of 3

Client: Shaw Project: Kirtland AFB

Date/Time Received: 7-30-11/1100 Date cooler(s) opened: 7-30-11

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

Circle response below as appropriate

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

EL Courier Other:

If applicable, enter airbill number here: 4557

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

How many: 1 Seal date: 7-29-11 Seal Initials: ?

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

Type of Coolant: WET DRY BLUE NONE

Temperature of Samples upon Receipt: Initial Value: 3.0 °C Correction Factor: +1.4 °C Final Value: 4.4 °C

Dates samples were logged-in: 8-1-11

9. Initial this form to acknowledge login of sample(s): (Name): Chris Donald (Initial): CD

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

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

SEE 1 of 3

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

LIMS Number: 1108004 Number of Coolers: 3 of 3

Client: Shaw Inc Project: Kirtland AFB

Date/Time Received: 7-30-11/11:00 Date cooler(s) opened: 7-30-11

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

Circle response below as appropriate

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

EL Courier Other: _____

If applicable, enter airbill number here: 4568

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

How many: 1 Seal date: 7-29-11 Seal Initials: ?

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

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

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

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

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

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

Type of Coolant: WET DRY BLUE NONE

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

Dates samples were logged-in: 8-1-11

9. Initial this form to acknowledge login of sample(s): (Name): Chris Donald (Initial): CD

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

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

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

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

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

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

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

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

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

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

See 1 of 3

WORK ORDER

1107209

Printed: 8/26/2011 12:12:48PM

Empirical Laboratories, LLC

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

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

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

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

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

Received By: Reginald Talley
Logged In By: Reginald Talley

Date Received: 07/26/2011 09:00
Date Logged In 07/26/2011 10:13

Samples Received at: **3.1°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

1107209

Printed: 8/26/2011 12:12:48PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107209-01 GW0207 [Water] Sampled 07/25/2011 14:37 Mountain					
SW8015B DRO	08/11/2011 14:00	15	08/01/2011 15:37		LOW SAMPLE VOLUME
SW8011	08/11/2011 14:00	15	08/08/2011 15:37		
SW8270C	08/11/2011 14:00	15	08/01/2011 15:37		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SW8015B GRO	08/11/2011 14:00	15	08/08/2011 15:37		
SW8260B	08/11/2011 14:00	15	08/08/2011 15:37		
SM2320B	08/11/2011 14:00	15	08/08/2011 15:37		carb/bicarb
SM4500NH3BG	08/11/2011 14:00	15	08/22/2011 15:37		
E300.0	08/11/2011 14:00	15	08/22/2011 15:37		Cl, SO4
E353.2	08/11/2011 14:00	15	08/22/2011 15:37		
SM4500S2CF	08/11/2011 14:00	15	08/01/2011 15:37		
SW6010B	08/11/2011 14:00	15	01/21/2012 15:37		Ca, Pb, K, Na, Mg
1107209-02 GW0207 [Water] Sampled 07/25/2011 14:37 Mountain					
SW6010B	08/11/2011 14:00	15	01/21/2012 15:37		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1107209

Printed: 8/26/2011 12:12:48PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107209-03 GW0242 [Water] Sampled 07/25/2011 11:00 Mountain					
SW8015B DRO	08/11/2011 14:00	15	08/01/2011 12:00		LOW SAMPLE VOLUME
SW8011	08/11/2011 14:00	15	08/08/2011 12:00		
SW8270C	08/11/2011 14:00	15	08/01/2011 12:00		requires 3-Methlphenol/4-Methylphenol,LOW SAMPLE VOLUME
SW8015B GRO	08/11/2011 14:00	15	08/08/2011 12:00		
SW8260B	08/11/2011 14:00	15	08/08/2011 12:00		
SM2320B	08/11/2011 14:00	15	08/08/2011 12:00		carb/bicarb
SM4500NH3BG	08/11/2011 14:00	15	08/22/2011 12:00		
E300.0	08/11/2011 14:00	15	08/22/2011 12:00		Cl, SO4
E353.2	08/11/2011 14:00	15	08/22/2011 12:00		
SM4500S2CF	08/11/2011 14:00	15	08/01/2011 12:00		
SW6010B	08/11/2011 14:00	15	01/21/2012 12:00		Ca, Pb, K, Na, Mg
1107209-04 GW0242 [Water] Sampled 07/25/2011 11:00 Mountain					
SW6010B	08/11/2011 14:00	15	01/21/2012 12:00		Fe & Mn, Field Filtered and Preserved
1107209-05 GW8079-TB [Water] Sampled 07/25/2011 08:00 Mountain					
SW8260B	08/11/2011 14:00	15	08/08/2011 09:00		

WORK ORDER

1107224

Printed: 8/26/2011 12:09:05PM

Empirical Laboratories, LLC

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

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

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

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

Date Due: 08/17/2011 16:00 (15 day TAT)

Received By: Chris Donald

Logged In By: Chris Donald

Date Received: 07/27/2011 09:00

Date Logged In 07/27/2011 14:38

Samples Received at: **2.3°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

1107224

Printed: 8/26/2011 12:09:05PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107224-01 GW0174 [Water] Sampled 07/26/2011 12:56 Mountain					
E300.0	08/12/2011 14:00	15	08/23/2011 13:56		Cl, SO4
SW6010B	08/12/2011 14:00	15	01/22/2012 13:56		Ca, Pb, K, Na, Mg
SM4500NH3BG	08/12/2011 14:00	15	08/23/2011 13:56		
E353.2	08/12/2011 14:00	15	08/23/2011 13:56		
SW8015B DRO	08/12/2011 14:00	15	08/02/2011 13:56		Low Sample Volume
SW8011	08/12/2011 14:00	15	08/09/2011 13:56		
SW8270C	08/12/2011 14:00	15	08/02/2011 13:56		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW8015B GRO	08/12/2011 14:00	15	08/09/2011 13:56		
SW8260B	08/12/2011 14:00	15	08/09/2011 13:56		
SM2320B	08/12/2011 14:00	15	08/09/2011 13:56		carb/bicarb
SM4500S2CF	08/12/2011 14:00	15	08/02/2011 13:56		
1107224-02 GW0174 [Water] Sampled 07/26/2011 12:56 Mountain					**Field Filtered and Preserved**
SW6010B	08/12/2011 14:00	15	01/22/2012 13:56		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1107224

Printed: 8/26/2011 12:09:05PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107224-03 GW0175 [Water] Sampled 07/26/2011 10:27 Mountain					
SW6010B	08/12/2011 14:00	15	01/22/2012 11:27		Ca, Pb, K, Na, Mg
E300.0	08/12/2011 14:00	15	08/23/2011 11:27		Cl, SO4
E353.2	08/12/2011 14:00	15	08/23/2011 11:27		
SM4500S2CF	08/12/2011 14:00	15	08/02/2011 11:27		
SM2320B	08/12/2011 14:00	15	08/09/2011 11:27		carb/bicarb
SW8260B	08/12/2011 14:00	15	08/09/2011 11:27		
SW8015B GRO	08/12/2011 14:00	15	08/09/2011 11:27		
SW8270C	08/12/2011 14:00	15	08/02/2011 11:27		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SM4500NH3BG	08/12/2011 14:00	15	08/23/2011 11:27		
SW8015B DRO	08/12/2011 14:00	15	08/02/2011 11:27		Low Sample Volume
SW8011	08/12/2011 14:00	15	08/09/2011 11:27		
1107224-04 GW0175 [Water] Sampled 07/26/2011 10:27 Mountain					**Field Filtered and Preserved**
SW6010B	08/12/2011 14:00	15	01/22/2012 11:27		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1107224

Printed: 8/26/2011 12:09:05PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107224-05 GW0239 [Water] Sampled 07/26/2011 12:23 Mountain					
SW8015B DRO	08/12/2011 14:00	15	08/02/2011 13:23		Low Sample Volume
SW8011	08/12/2011 14:00	15	08/09/2011 13:23		
SW8270C	08/12/2011 14:00	15	08/02/2011 13:23		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW8015B GRO	08/12/2011 14:00	15	08/09/2011 13:23		
SW8260B	08/12/2011 14:00	15	08/09/2011 13:23		
SM2320B	08/12/2011 14:00	15	08/09/2011 13:23		carb/bicarb
SM4500NH3BG	08/12/2011 14:00	15	08/23/2011 13:23		
E300.0	08/12/2011 14:00	15	08/23/2011 13:23		Cl, SO4
E353.2	08/12/2011 14:00	15	08/23/2011 13:23		
SM4500S2CF	08/12/2011 14:00	15	08/02/2011 13:23		
SW6010B	08/12/2011 14:00	15	01/22/2012 13:23		Ca, Pb, K, Na, Mg
1107224-06 GW0239 [Water] Sampled 07/26/2011 12:23 Mountain					**Field Filtered and Preserved**
SW6010B	08/12/2011 14:00	15	01/22/2012 13:23		Fe & Mn, Field Filtered and Preserved
1107224-07 GW8080-TB [Water] Sampled 07/26/2011 08:00 Mountain					
SW8260B	08/12/2011 14:00	15	08/09/2011 09:00		

WORK ORDER

1107237

Printed: 8/26/2011 12:11:35PM

Empirical Laboratories, LLC

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

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

Report To:
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Pamela Moss
7604 Technology Way, Suite 300
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Phone: (720) 554-8252
Fax: (225) 932-2661

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

Date Due: 08/18/2011 16:00 (15 day TAT)

Received By: Chris Donald

Logged In By: Chris Donald

Date Received: 07/28/2011 09:00

Date Logged In 07/28/2011 14:34

Samples Received at: **3.4°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

1107237

Printed: 8/26/2011 12:11:35PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107237-01 GW0170 [Water] Sampled 07/27/2011 12:46 Mountain					
SM2320B	08/15/2011 14:00	15	08/10/2011 13:46		carb/bicarb
SW8015B DRO	08/15/2011 14:00	15	08/03/2011 13:46		Low Sample Volume
SW8011	08/15/2011 14:00	15	08/10/2011 13:46		
SW8270C	08/15/2011 14:00	15	08/03/2011 13:46		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW6010B	08/15/2011 14:00	15	01/23/2012 13:46		Ca, Pb, K, Na, Mg
SW8260B	08/15/2011 14:00	15	08/10/2011 13:46		
SM4500NH3BG	08/15/2011 14:00	15	08/24/2011 13:46		
E300.0	08/15/2011 14:00	15	08/24/2011 13:46		Cl, SO4
E353.2	08/15/2011 14:00	15	08/24/2011 13:46		
SM4500S2CF	08/15/2011 14:00	15	08/03/2011 13:46		
SW8015B GRO	08/15/2011 14:00	15	08/10/2011 13:46		
1107237-02 GW0170 [Water] Sampled 07/27/2011 12:46 Mountain					**Field Filtered and Preserved**
SW6010B	08/15/2011 14:00	15	01/23/2012 13:46		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1107237

Printed: 8/26/2011 12:11:35PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107237-03 GW0171 [Water] Sampled 07/27/2011 12:46 Mountain					
SM4500S2CF	08/15/2011 14:00	15	08/03/2011 13:46		
E300.0	08/15/2011 14:00	15	08/24/2011 13:46		Cl, SO4
SM4500NH3BG	08/15/2011 14:00	15	08/24/2011 13:46		
SW6010B	08/15/2011 14:00	15	01/23/2012 13:46		Ca, Pb, K, Na, Mg
SW8015B DRO	08/15/2011 14:00	15	08/03/2011 13:46		Low Sample Volume
SW8011	08/15/2011 14:00	15	08/10/2011 13:46		
SW8270C	08/15/2011 14:00	15	08/03/2011 13:46		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW8015B GRO	08/15/2011 14:00	15	08/10/2011 13:46		
SW8260B	08/15/2011 14:00	15	08/10/2011 13:46		
SM2320B	08/15/2011 14:00	15	08/10/2011 13:46		carb/bicarb
E353.2	08/15/2011 14:00	15	08/24/2011 13:46		
1107237-04 GW0171 [Water] Sampled 07/27/2011 12:46 Mountain					**Field Filtered and Preserved**
SW6010B	08/15/2011 14:00	15	01/23/2012 13:46		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1107237

Printed: 8/26/2011 12:11:35PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107237-05 GW0237 [Water] Sampled 07/27/2011 16:12 Mountain					
SM2320B	08/15/2011 14:00	15	08/10/2011 17:12		carb/bicarb
SM4500NH3BG	08/15/2011 14:00	15	08/24/2011 17:12		
E300.0	08/15/2011 14:00	15	08/24/2011 17:12		Cl, SO4
E353.2	08/15/2011 14:00	15	08/24/2011 17:12		
SM4500S2CF	08/15/2011 14:00	15	08/03/2011 17:12		
SW8270C	08/15/2011 14:00	15	08/03/2011 17:12		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW8011	08/15/2011 14:00	15	08/10/2011 17:12		
SW8015B GRO	08/15/2011 14:00	15	08/10/2011 17:12		
SW8260B	08/15/2011 14:00	15	08/10/2011 17:12		
SW8015B DRO	08/15/2011 14:00	15	08/03/2011 17:12		Low Sample Volume
SW6010B	08/15/2011 14:00	15	01/23/2012 17:12		Ca, Pb, K, Na, Mg
1107237-06 GW0237 [Water] Sampled 07/27/2011 16:12 Mountain					**Field Filtered and Preserved**
SW6010B	08/15/2011 14:00	15	01/23/2012 17:12		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1107237

Printed: 8/26/2011 12:11:35PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107237-07 GW0238 [Water] Sampled 07/27/2011 16:12 Mountain					
SW8270C	08/15/2011 14:00	15	08/03/2011 17:12		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW6010B	08/15/2011 14:00	15	01/23/2012 17:12		Ca, Pb, K, Na, Mg
SW8011	08/15/2011 14:00	15	08/10/2011 17:12		
SW8015B GRO	08/15/2011 14:00	15	08/10/2011 17:12		
SW8260B	08/15/2011 14:00	15	08/10/2011 17:12		
SM2320B	08/15/2011 14:00	15	08/10/2011 17:12		carb/bicarb
SM4500NH3BG	08/15/2011 14:00	15	08/24/2011 17:12		
E300.0	08/15/2011 14:00	15	08/24/2011 17:12		Cl, SO4
E353.2	08/15/2011 14:00	15	08/24/2011 17:12		
SM4500S2CF	08/15/2011 14:00	15	08/03/2011 17:12		
SW8015B DRO	08/15/2011 14:00	15	08/03/2011 17:12		Low Sample Volume
1107237-08 GW0238 [Water] Sampled 07/27/2011 16:12 Mountain					**Field Filtered and Preserved**
SW6010B	08/15/2011 14:00	15	01/23/2012 17:12		Fe & Mn, Field Filtered and Preserved
1107237-09 GW8081-TB [Water] Sampled 07/27/2011 08:00 Mountain					
SW8260B	08/15/2011 14:00	15	08/10/2011 09:00		

WORK ORDER

1107251

Printed: 8/26/2011 12:10:51PM

Empirical Laboratories, LLC

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

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

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

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

Date Due: 08/19/2011 16:00 (15 day TAT)

Received By: Reginald Talley

Logged In By: Reginald Talley

Date Received: 07/29/2011 09:00

Date Logged In 07/29/2011 14:44

Samples Received at: **2.7°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

1107251

Printed: 8/26/2011 12:10:51PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1107251-01 GW0145 [Water] Sampled 07/28/2011 13:56 Central					**MS/MSD**
SM4500S2CF	08/16/2011 14:00	15	08/04/2011 13:56		MS/MSD
E353.2	08/16/2011 14:00	15	08/25/2011 13:56		MS/MSD
E300.0	08/16/2011 14:00	15	08/25/2011 13:56		Cl, SO4,MS/MSD
SM4500NH3BG	08/16/2011 14:00	15	08/25/2011 13:56		MS/MSD
SM2320B	08/16/2011 14:00	15	08/11/2011 13:56		carb/bicarb,MS/MSD
SW8260B	08/16/2011 14:00	15	08/11/2011 13:56		MS/MSD
SW8015B GRO	08/16/2011 14:00	15	08/11/2011 13:56		MS/MSD
SW8270C	08/16/2011 14:00	15	08/04/2011 13:56		requires 3-Methlphenol/4-Methylphenol,MS/MSD,LOW SAMPLE VOL
SW8011	08/16/2011 14:00	15	08/11/2011 13:56		MS/MSD
SW8015B DRO	08/16/2011 14:00	15	08/04/2011 13:56		MS/MSD,LOW SAMPLE VOLUME
SW6010B	08/16/2011 14:00	15	01/24/2012 13:56		Ca, Pb, K, Na, Mg,MS/MSD
1107251-02 GW0145 [Water] Sampled 07/28/2011 13:56 Central					**MS/MSD**
SW6010B	08/16/2011 14:00	15	01/24/2012 13:56		Fe & Mn,MS/MSD, Field Filtered and Preserved
1107251-03 GW8082-TB [Water] Sampled 07/28/2011 10:48 Central					
SW8260B	08/16/2011 14:00	15	08/11/2011 10:48		

WORK ORDER

1108004

Printed: 8/26/2011 12:10:14PM

Empirical Laboratories, LLC

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

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

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

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

Date Due: 08/22/2011 16:00 (15 day TAT)

Received By: Chris Donald

Logged In By: Chris Donald

Date Received: 07/30/2011 11:00

Date Logged In 08/01/2011 14:22

Samples Received at: **3.2°C**

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

Analysis	Due	TAT	Expires	Version	Comments

WORK ORDER

1108004

Printed: 8/26/2011 12:10:14PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108004-01 GW0143 [Water] Sampled 07/29/2011 13:58 Mountain					
SW8270C	08/17/2011 14:00	15	08/05/2011 14:58		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW8015B DRO	08/17/2011 14:00	15	08/05/2011 14:58		Low Sample Volume
SW6010B	08/17/2011 14:00	15	01/25/2012 14:58		Ca, Pb, K, Na, Mg
SW8011	08/17/2011 14:00	15	08/12/2011 14:58		
SW8015B GRO	08/17/2011 14:00	15	08/12/2011 14:58		
SW8260B	08/17/2011 14:00	15	08/12/2011 14:58		
SM2320B	08/17/2011 14:00	15	08/12/2011 14:58		carb/bicarb
SM4500NH3BG	08/17/2011 14:00	15	08/26/2011 14:58		
E300.0	08/17/2011 14:00	15	08/26/2011 14:58		Cl, SO4
E353.2	08/17/2011 14:00	15	08/26/2011 14:58		
SM4500S2CF	08/17/2011 14:00	15	08/05/2011 14:58		
1108004-02 GW0143 [Water] Sampled 07/29/2011 13:58 Mountain					**Field Filtered and Preserved**
SW6010B	08/17/2011 14:00	15	01/25/2012 14:58		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108004

Printed: 8/26/2011 12:10:14PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108004-03 GW0150 [Water] Sampled 07/29/2011 14:40 Mountain					
E300.0	08/17/2011 14:00	15	08/26/2011 15:40		Cl, SO4
SW8270C	08/17/2011 14:00	15	08/05/2011 15:40		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SM4500S2CF	08/17/2011 14:00	15	08/05/2011 15:40		
E353.2	08/17/2011 14:00	15	08/26/2011 15:40		
SM4500NH3BG	08/17/2011 14:00	15	08/26/2011 15:40		
SM2320B	08/17/2011 14:00	15	08/12/2011 15:40		carb/bicarb
SW8015B DRO	08/17/2011 14:00	15	08/05/2011 15:40		Low Sample Volume
SW8015B GRO	08/17/2011 14:00	15	08/12/2011 15:40		
SW6010B	08/17/2011 14:00	15	01/25/2012 15:40		Ca, Pb, K, Na, Mg
SW8260B	08/17/2011 14:00	15	08/12/2011 15:40		
SW8011	08/17/2011 14:00	15	08/12/2011 15:40		
1108004-04 GW0150 [Water] Sampled 07/29/2011 14:40 Mountain					**Field Filtered and Preserved**
SW6010B	08/17/2011 14:00	15	01/25/2012 15:40		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108004

Printed: 8/26/2011 12:10:14PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108004-05 GW0233 [Water] Sampled 07/29/2011 10:37 Mountain					
SM4500S2CF	08/17/2011 14:00	15	08/05/2011 11:37		
E353.2	08/17/2011 14:00	15	08/26/2011 11:37		
E300.0	08/17/2011 14:00	15	08/26/2011 11:37		Cl, SO4
SM4500NH3BG	08/17/2011 14:00	15	08/26/2011 11:37		
SM2320B	08/17/2011 14:00	15	08/12/2011 11:37		carb/bicarb
SW8260B	08/17/2011 14:00	15	08/12/2011 11:37		
SW8270C	08/17/2011 14:00	15	08/05/2011 11:37		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW8011	08/17/2011 14:00	15	08/12/2011 11:37		
SW8015B DRO	08/17/2011 14:00	15	08/05/2011 11:37		Low Sample Volume
SW6010B	08/17/2011 14:00	15	01/25/2012 11:37		Ca, Pb, K, Na, Mg
SW8015B GRO	08/17/2011 14:00	15	08/12/2011 11:37		
1108004-06 GW0233 [Water] Sampled 07/29/2011 10:37 Mountain					**Field Filtered and Preserved**
SW6010B	08/17/2011 14:00	15	01/25/2012 11:37		Fe & Mn, Field Filtered and Preserved

WORK ORDER

1108004

Printed: 8/26/2011 12:10:14PM

Empirical Laboratories, LLC

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

Project Manager: Sonya Gordon
Project Number: SHW_Kirtland

Analysis	Due	TAT	Expires	Version	Comments
1108004-07 GW0241 [Water] Sampled 07/29/2011 11:37 Mountain					
E300.0	08/17/2011 14:00	15	08/26/2011 12:37		Cl, SO4
SW6010B	08/17/2011 14:00	15	01/25/2012 12:37		Ca, Pb, K, Na, Mg
SW8015B DRO	08/17/2011 14:00	15	08/05/2011 12:37		Low Sample Volume
SW8011	08/17/2011 14:00	15	08/12/2011 12:37		
SW8270C	08/17/2011 14:00	15	08/05/2011 12:37		requires 3-Methlphenol/4-Methylphenol, Low Sample Volume
SW8015B GRO	08/17/2011 14:00	15	08/12/2011 12:37		
SW8260B	08/17/2011 14:00	15	08/12/2011 12:37		
SM4500NH3BG	08/17/2011 14:00	15	08/26/2011 12:37		
E353.2	08/17/2011 14:00	15	08/26/2011 12:37		
SM4500S2CF	08/17/2011 14:00	15	08/05/2011 12:37		
SM2320B	08/17/2011 14:00	15	08/12/2011 12:37		carb/bicarb
1108004-08 GW0241 [Water] Sampled 07/29/2011 11:37 Mountain					**Field Filtered and Preserved**
SW6010B	08/17/2011 14:00	15	01/25/2012 12:37		Fe & Mn, Field Filtered and Preserved
1108004-09 GW8083-TB [Water] Sampled 07/29/2011 08:00 Central					
SW8260B	08/17/2011 14:00	15	08/12/2011 08:00		

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: Kirtland_021
MATRIX: Water

QC LEVEL: Level IV
Report Due: 8/23/2011
Client Sample Count: 30

Sample Type	Sampled	Received	Lab ID	Client ID	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270C
Client Sample	7/25/2011	7/26/2011	1107209-01	GW0207	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/25/2011	7/26/2011	1107209-02	GW0207						X					
Client Sample	7/25/2011	7/26/2011	1107209-03	GW0242	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/25/2011	7/26/2011	1107209-04	GW0242						X					
Trip Blank	7/25/2011	7/26/2011	1107209-05	GW8079-TB										X	
Client Sample	7/26/2011	7/27/2011	1107224-01	GW0174	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/26/2011	7/27/2011	1107224-02	GW0174						X					
Client Sample	7/26/2011	7/27/2011	1107224-03	GW0175	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/26/2011	7/27/2011	1107224-04	GW0175						X					
Client Sample	7/26/2011	7/27/2011	1107224-05	GW0239	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/26/2011	7/27/2011	1107224-06	GW0239						X					
Trip Blank	7/26/2011	7/27/2011	1107224-07	GW8080-TB										X	
Client Sample	7/27/2011	7/28/2011	1107237-01	GW0170	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/27/2011	7/28/2011	1107237-02	GW0170						X					
Client Sample	7/27/2011	7/28/2011	1107237-03	GW0171	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/27/2011	7/28/2011	1107237-04	GW0171						X					
Client Sample	7/27/2011	7/28/2011	1107237-05	GW0237	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/27/2011	7/28/2011	1107237-06	GW0237						X					
Client Sample	7/27/2011	7/28/2011	1107237-07	GW0238	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/27/2011	7/28/2011	1107237-08	GW0238						X					
Trip Blank	7/27/2011	7/28/2011	1107237-09	GW8081-TB										X	
Client Sample	7/28/2011	7/29/2011	1107251-01	GW0145	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	7/28/2011	7/29/2011	1107251-02	GW0145						MS/MSD					
Client Sample	7/28/2011	7/29/2011	1107251-03	GW8082-TB										X	
Client Sample	7/29/2011	7/30/2011	1108004-01	GW0143	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/29/2011	7/30/2011	1108004-02	GW0143						X					
Client Sample	7/29/2011	7/30/2011	1108004-03	GW0150	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/29/2011	7/30/2011	1108004-04	GW0150						X					
Client Sample	7/29/2011	7/30/2011	1108004-05	GW0233	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/29/2011	7/30/2011	1108004-06	GW0233						X					
Client Sample	7/29/2011	7/30/2011	1108004-07	GW0241	X	X	X	X	X	X	X	X	X	X	X
Client Sample	7/29/2011	7/30/2011	1108004-08	GW0241						X					
Client Sample	7/29/2011	7/30/2011	1108004-09	GW8083-TB										X	

Data for SW8260B Forms

ANALYSIS DATA SHEET

GW0207

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-01	File ID:	0720901.D
Sampled:	07/25/11 14:37	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 13:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

GW0207

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-01	File ID:	0720901.D
Sampled:	07/25/11 14:37	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 13:00
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.34	104	75 - 120	
Dibromofluoromethane	30.00	30.23	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.82	103	70 - 120	
Toluene-d8	30.00	31.55	105	85 - 120	

ANALYSIS DATA SHEET

GW0242

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-03	File ID:	0720903.D
Sampled:	07/25/11 11:00	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 13:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

GW0242

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-03	File ID:	0720903.D
Sampled:	07/25/11 11:00	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 13:27
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.73	102	75 - 120	
Dibromofluoromethane	30.00	30.24	101	85 - 115	
1,2-Dichloroethane-d4	30.00	31.29	104	70 - 120	
Toluene-d8	30.00	31.81	106	85 - 120	

ANALYSIS DATA SHEET

GW8079-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-05	File ID:	0720905.D
Sampled:	07/25/11 08:00	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 10:47
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

GW8079-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-05	File ID:	0720905.D
Sampled:	07/25/11 08:00	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 10:47
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.01	103	75 - 120	
Dibromofluoromethane	30.00	30.46	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.64	102	70 - 120	
Toluene-d8	30.00	31.65	106	85 - 120	

ANALYSIS DATA SHEET

GW0174

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-01	File ID:	0722401.D
Sampled:	07/26/11 12:56	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 17:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

GW0174

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-01	File ID:	0722401.D
Sampled:	07/26/11 12:56	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 17:28
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.64	102	75 - 120	
Dibromofluoromethane	30.00	30.45	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.97	99.9	70 - 120	
Toluene-d8	30.00	32.06	107	85 - 120	

ANALYSIS DATA SHEET

GW0175

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-03	File ID:	0722403.D
Sampled:	07/26/11 10:27	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 17:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

GW0175

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-03	File ID:	0722403.D
Sampled:	07/26/11 10:27	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 17:55
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.89	103	75 - 120	
Dibromofluoromethane	30.00	30.10	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.92	103	70 - 120	
Toluene-d8	30.00	31.69	106	85 - 120	

ANALYSIS DATA SHEET

GW0239

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-05	File ID:	0722405.D
Sampled:	07/26/11 12:23	Prepared:	07/28/11 00:00	Analyzed:	07/29/11 01:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28012 Sequence: 1G21102 Calibration: 1197002 Instrument: MS-VOA6

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

GW0239

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-05	File ID:	0722405.D
Sampled:	07/26/11 12:23	Prepared:	07/28/11 00:00	Analyzed:	07/29/11 01:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28012 Sequence: 1G21102 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	0.357	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.88	103	75 - 120	
Dibromofluoromethane	30.00	30.54	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.81	106	70 - 120	
Toluene-d8	30.00	32.06	107	85 - 120	

ANALYSIS DATA SHEET

GW8080-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-07	File ID:	0722407.D
Sampled:	07/26/11 08:00	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 23:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28012 Sequence: 1G21102 Calibration: 1197002 Instrument: MS-VOA6

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

GW8080-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-07	File ID:	0722407.D
Sampled:	07/26/11 08:00	Prepared:	07/28/11 00:00	Analyzed:	07/28/11 23:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G28012 Sequence: 1G21102 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.21	104	75 - 120	
Dibromofluoromethane	30.00	29.93	99.8	85 - 115	
1,2-Dichloroethane-d4	30.00	30.64	102	70 - 120	
Toluene-d8	30.00	32.31	108	85 - 120	

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-01	File ID:	0723701.D
Sampled:	07/27/11 12:46	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 14:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	4.67	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	X, U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	1.02	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	0.442	0.250	0.500	1.00	J
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-01	File ID:	0723701.D
Sampled:	07/27/11 12:46	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 14:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	0.447	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	0.407	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.58	105	75 - 120	
Dibromofluoromethane	30.00	30.39	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.83	103	70 - 120	
Toluene-d8	30.00	31.97	107	85 - 120	

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-03	File ID:	0723703.D
Sampled:	07/27/11 12:46	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 14:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	4.75	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	X, U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	0.989	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	0.438	0.250	0.500	1.00	J
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	1.00	U

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-03	File ID:	0723703.D
Sampled:	07/27/11 12:46	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 14:59
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	0.437	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	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	0.259	0.250	0.500	1.00	J
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	0.398	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	1.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	1.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.70	102	75 - 120	
Dibromofluoromethane	30.00	31.15	104	85 - 115	
1,2-Dichloroethane-d4	30.00	31.30	104	70 - 120	
Toluene-d8	30.00	32.26	108	85 - 120	

ANALYSIS DATA SHEET

GW0237

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-05	File ID:	0723705.D
Sampled:	07/27/11 16:12	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 15:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

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

GW0237

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-05	File ID:	0723705.D
Sampled:	07/27/11 16:12	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 15:26
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	0.410	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
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.27	104	75 - 120	
Dibromofluoromethane	30.00	30.33	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.77	103	70 - 120	
Toluene-d8	30.00	32.04	107	85 - 120	

ANALYSIS DATA SHEET

GW0238

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-07	File ID:	0723707.D
Sampled:	07/27/11 16:12	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 15:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

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

GW0238

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-07	File ID:	0723707.D
Sampled:	07/27/11 16:12	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 15:53
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	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	0.394	0.250	0.500	1.00	J
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
108-38-3/106-42-	m,p-Xylene		0.500	1.00	2.00	U
95-47-6	o-Xylene		0.250	0.500	1.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.35	105	75 - 120	
Dibromofluoromethane	30.00	30.80	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.62	102	70 - 120	
Toluene-d8	30.00	32.47	108	85 - 120	

ANALYSIS DATA SHEET

GW8081-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-09	File ID:	0723709.D
Sampled:	07/27/11 08:00	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 11:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

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

GW8081-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-09	File ID:	0723709.D
Sampled:	07/27/11 08:00	Prepared:	07/30/11 00:00	Analyzed:	07/30/11 11:25
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.43	105	75 - 120	
Dibromofluoromethane	30.00	30.37	101	85 - 115	
1,2-Dichloroethane-d4	30.00	31.69	106	70 - 120	
Toluene-d8	30.00	31.88	106	85 - 120	

ANALYSIS DATA SHEET

GW0145

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-01	File ID:	0725101.D
Sampled:	07/28/11 13:56	Prepared:	07/30/11 00:00	Analyzed:	07/31/11 04:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

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

GW0145

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-01	File ID:	0725101.D
Sampled:	07/28/11 13:56	Prepared:	07/30/11 00:00	Analyzed:	07/31/11 04:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.44	105	75 - 120	
Dibromofluoromethane	30.00	30.38	101	85 - 115	
1,2-Dichloroethane-d4	30.00	31.45	105	70 - 120	
Toluene-d8	30.00	32.31	108	85 - 120	

ANALYSIS DATA SHEET

GW8082-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-03RE1	File ID:	0725103R.D
Sampled:	07/28/11 10:48	Prepared:	07/31/11 00:00	Analyzed:	07/31/11 12:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G31001 Sequence: 1H21502 Calibration: 1197002 Instrument: MS-VOA6

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

GW8082-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-03RE1	File ID:	0725103R.D
Sampled:	07/28/11 10:48	Prepared:	07/31/11 00:00	Analyzed:	07/31/11 12:05
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1G31001 Sequence: 1H21502 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.09	104	75 - 120	
Dibromofluoromethane	30.00	29.67	98.9	85 - 115	
1,2-Dichloroethane-d4	30.00	29.96	99.9	70 - 120	
Toluene-d8	30.00	31.67	106	85 - 120	

ANALYSIS DATA SHEET

GW0143

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-01	File ID:	0800401.D
Sampled:	07/29/11 13:58	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 13:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

GW0143

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-01	File ID:	0800401.D
Sampled:	07/29/11 13:58	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 13:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.26	108	75 - 120	
Dibromofluoromethane	30.00	30.87	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.23	104	70 - 120	
Toluene-d8	30.00	31.94	106	85 - 120	

ANALYSIS DATA SHEET

GW0150

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-03	File ID:	0800403.D
Sampled:	07/29/11 14:40	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 13:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

GW0150

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-03	File ID:	0800403.D
Sampled:	07/29/11 14:40	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 13:46
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.50	105	75 - 120	
Dibromofluoromethane	30.00	30.55	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.81	106	70 - 120	
Toluene-d8	30.00	31.74	106	85 - 120	

ANALYSIS DATA SHEET

GW0233

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-05	File ID:	0800405.D
Sampled:	07/29/11 10:37	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 14:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

GW0233

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-05	File ID:	0800405.D
Sampled:	07/29/11 10:37	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 14:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.00	103	75 - 120	
Dibromofluoromethane	30.00	30.76	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.62	102	70 - 120	
Toluene-d8	30.00	31.38	105	85 - 120	

ANALYSIS DATA SHEET

GW0241

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-07	File ID:	0800407.D
Sampled:	07/29/11 11:37	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 14:39
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

GW0241

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-07	File ID:	0800407.D
Sampled:	07/29/11 11:37	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 14:39
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.89	106	75 - 120	
Dibromofluoromethane	30.00	30.49	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.87	106	70 - 120	
Toluene-d8	30.00	31.82	106	85 - 120	

ANALYSIS DATA SHEET

GW8083-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-09	File ID:	0800109.D
Sampled:	07/29/11 08:00	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 10:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

GW8083-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-09	File ID:	0800109.D
Sampled:	07/29/11 08:00	Prepared:	08/03/11 00:00	Analyzed:	08/03/11 10:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.60	105	75 - 120	
Dibromofluoromethane	30.00	30.52	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.02	103	70 - 120	
Toluene-d8	30.00	31.33	104	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21039	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1G21039-CCV1) ug/L				Lab File ID: 0728CCV1.D		Analyzed: 07/28/11 08:33		
Bromofluorobenzene	30.00	111	80 - 120	12.265	12.265	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.4	80 - 120	6.958	6.958	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	80 - 120	7.451	7.451	0.0000	+/-1.000	
Toluene-d8	30.00	115	80 - 120	9.656	9.656	0.0000	+/-1.000	
LCS (1G28007-BS1) ug/L				Lab File ID: 0728LCS1.D		Analyzed: 07/28/11 09:00		
Bromofluorobenzene	30.00	106	75 - 120	12.266	12.265	0.0010	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.96	6.958	0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.452	7.451	0.0010	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.657	9.656	0.0010	+/-1.000	
Blank (1G28007-BLK1) ug/L				Lab File ID: 0728BLK1.D		Analyzed: 07/28/11 10:18		
Bromofluorobenzene	30.00	103	75 - 120	12.267	12.265	0.0020	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.96	6.958	0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.452	7.451	0.0010	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.658	9.656	0.0020	+/-1.000	
GW8079-TB (1107209-05) ug/L				Lab File ID: 0720905.D		Analyzed: 07/28/11 10:47		
Bromofluorobenzene	30.00	103	75 - 120	12.269	12.265	0.0040	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.953	6.958	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.445	7.451	-0.0060	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.65	9.656	-0.0060	+/-1.000	
GW0207 (1107209-01) ug/L				Lab File ID: 0720901.D		Analyzed: 07/28/11 13:00		
Bromofluorobenzene	30.00	104	75 - 120	12.264	12.265	-0.0010	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.957	6.958	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.45	7.451	-0.0010	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.655	9.656	-0.0010	+/-1.000	
GW0242 (1107209-03) ug/L				Lab File ID: 0720903.D		Analyzed: 07/28/11 13:27		
Bromofluorobenzene	30.00	102	75 - 120	12.267	12.265	0.0020	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.961	6.958	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.453	7.451	0.0020	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.658	9.656	0.0020	+/-1.000	
GW0174 (1107224-01) ug/L				Lab File ID: 0722401.D		Analyzed: 07/28/11 17:28		
Bromofluorobenzene	30.00	102	75 - 120	12.263	12.265	-0.0020	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.957	6.958	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.9	70 - 120	7.449	7.451	-0.0020	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.654	9.656	-0.0020	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21039	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0175 (1107224-03) ug/L				Lab File ID: 0722403.D		Analyzed: 07/28/11 17:55		
Bromofluorobenzene	30.00	103	75 - 120	12.266	12.265	0.0010	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.959	6.958	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.452	7.451	0.0010	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.657	9.656	0.0010	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21102	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1G21102-CCV1) ug/L				Lab File ID: 0728CCVE.D		Analyzed: 07/28/11 20:35		
Bromofluorobenzene	30.00	112	80 - 120	12.263	12.263	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.957	6.957	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.5	80 - 120	7.449	7.449	0.0000	+/-1.000	
Toluene-d8	30.00	115	80 - 120	9.654	9.654	0.0000	+/-1.000	
LCS (1G28012-BS1) ug/L				Lab File ID: 0728LCSE.D		Analyzed: 07/28/11 21:01		
Bromofluorobenzene	30.00	105	75 - 120	12.264	12.263	0.0010	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.957	6.957	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.45	7.449	0.0010	+/-1.000	
Toluene-d8	30.00	111	85 - 120	9.655	9.654	0.0010	+/-1.000	
Blank (1G28012-BLK1) ug/L				Lab File ID: 0728BLKE.D		Analyzed: 07/28/11 22:20		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.263	-0.0030	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.953	6.957	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	116	70 - 120	7.455	7.449	0.0060	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.651	9.654	-0.0030	+/-1.000	
GW8080-TB (1107224-07) ug/L				Lab File ID: 0722407.D		Analyzed: 07/28/11 23:40		
Bromofluorobenzene	30.00	104	75 - 120	12.264	12.263	0.0010	+/-1.000	
Dibromofluoromethane	30.00	99.8	85 - 115	6.957	6.957	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.449	0.0010	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.655	9.654	0.0010	+/-1.000	
GW0239 (1107224-05) ug/L				Lab File ID: 0722405.D		Analyzed: 07/29/11 01:26		
Bromofluorobenzene	30.00	103	75 - 120	12.268	12.263	0.0050	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.962	6.957	0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.454	7.449	0.0050	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.659	9.654	0.0050	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21201	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1G21201-CCV1) ug/L				Lab File ID: 0730CCV1.D		Analyzed: 07/30/11 09:05		
Bromofluorobenzene	30.00	112	80 - 120	12.263	12.263	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.956	6.956	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.3	80 - 120	7.449	7.449	0.0000	+/-1.000	
Toluene-d8	30.00	116	80 - 120	9.654	9.654	0.0000	+/-1.000	
LCS (1G30001-BS1) ug/L				Lab File ID: 0730LCS1.D		Analyzed: 07/30/11 09:40		
Bromofluorobenzene	30.00	107	75 - 120	12.264	12.263	0.0010	+/-1.000	
Dibromofluoromethane	30.00	105	85 - 115	6.948	6.956	-0.0080	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.44	7.449	-0.0090	+/-1.000	
Toluene-d8	30.00	109	85 - 120	9.645	9.654	-0.0090	+/-1.000	
Blank (1G30001-BLK1) ug/L				Lab File ID: 0730BLK1.D		Analyzed: 07/30/11 10:58		
Bromofluorobenzene	30.00	104	75 - 120	12.273	12.263	0.0100	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.966	6.956	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.459	7.449	0.0100	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.664	9.654	0.0100	+/-1.000	
GW8081-TB (1107237-09) ug/L				Lab File ID: 0723709.D		Analyzed: 07/30/11 11:25		
Bromofluorobenzene	30.00	105	75 - 120	12.259	12.263	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.952	6.956	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.445	7.449	-0.0040	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.65	9.654	-0.0040	+/-1.000	
GW0170 (1107237-01) ug/L				Lab File ID: 0723701.D		Analyzed: 07/30/11 14:32		
Bromofluorobenzene	30.00	105	75 - 120	12.259	12.263	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.952	6.956	-0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.445	7.449	-0.0040	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.65	9.654	-0.0040	+/-1.000	
GW0171 (1107237-03) ug/L				Lab File ID: 0723703.D		Analyzed: 07/30/11 14:59		
Bromofluorobenzene	30.00	102	75 - 120	12.268	12.263	0.0050	+/-1.000	
Dibromofluoromethane	30.00	104	85 - 115	6.951	6.956	-0.0050	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.444	7.449	-0.0050	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.649	9.654	-0.0050	+/-1.000	
GW0237 (1107237-05) ug/L				Lab File ID: 0723705.D		Analyzed: 07/30/11 15:26		
Bromofluorobenzene	30.00	104	75 - 120	12.26	12.263	-0.0030	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.953	6.956	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.445	7.449	-0.0040	+/-1.000	
Toluene-d8	30.00	107	85 - 120	9.651	9.654	-0.0030	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21201	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0238 (1107237-07) ug/L				Lab File ID: 0723707.D		Analyzed: 07/30/11 15:53		
Bromofluorobenzene	30.00	105	75 - 120	12.27	12.263	0.0070	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.953	6.956	-0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.455	7.449	0.0060	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.651	9.654	-0.0030	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21501	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21501-CCV1) ug/L				Lab File ID: 0730CCV2.D		Analyzed: 07/30/11 20:46		
Bromofluorobenzene	30.00	111	80 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.1	80 - 120	6.953	6.953	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	80 - 120	7.445	7.445	0.0000	+/-1.000	
Toluene-d8	30.00	113	80 - 120	9.651	9.651	0.0000	+/-1.000	
LCS (1G30002-BS1) ug/L				Lab File ID: 0730LCS2.D		Analyzed: 07/30/11 21:13		
Bromofluorobenzene	30.00	106	75 - 120	12.264	12.27	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.957	6.953	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.9	70 - 120	7.449	7.445	0.0040	+/-1.000	
Toluene-d8	30.00	111	85 - 120	9.655	9.651	0.0040	+/-1.000	
Blank (1G30002-BLK1) ug/L				Lab File ID: 0730BLK2.D		Analyzed: 07/30/11 22:31		
Bromofluorobenzene	30.00	105	75 - 120	12.264	12.27	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.957	6.953	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.449	7.445	0.0040	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.655	9.651	0.0040	+/-1.000	
GW0145 (1107251-01) ug/L				Lab File ID: 0725101.D		Analyzed: 07/31/11 04:18		
Bromofluorobenzene	30.00	105	75 - 120	12.26	12.27	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.953	6.953	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.445	7.445	0.0000	+/-1.000	
Toluene-d8	30.00	108	85 - 120	9.651	9.651	0.0000	+/-1.000	
Matrix Spike (1G30002-MS3) ug/L				Lab File ID: 0725101M.D		Analyzed: 07/31/11 07:25		
Bromofluorobenzene	30.00	109	75 - 120	12.264	12.27	-0.0060	+/-1.000	
Dibromofluoromethane	30.00	99.9	85 - 115	6.957	6.953	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.449	7.445	0.0040	+/-1.000	
Toluene-d8	30.00	112	85 - 120	9.655	9.651	0.0040	+/-1.000	
Matrix Spike Dup (1G30002-MSD3) ug/L				Lab File ID: 0725101S.D		Analyzed: 07/31/11 07:52		
Bromofluorobenzene	30.00	107	75 - 120	12.263	12.27	-0.0070	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.956	6.953	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.3	70 - 120	7.449	7.445	0.0040	+/-1.000	
Toluene-d8	30.00	109	85 - 120	9.654	9.651	0.0030	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21502	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21502-CCV1) ug/L				Lab File ID: 0731CCV1.D		Analyzed: 07/31/11 09:18		
Bromofluorobenzene	30.00	111	80 - 120	12.268	12.268	0.0000	+/-1.000	
Dibromofluoromethane	30.00	98.0	80 - 120	6.951	6.951	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.9	80 - 120	7.444	7.444	0.0000	+/-1.000	
Toluene-d8	30.00	117	80 - 120	9.649	9.649	0.0000	+/-1.000	
LCS (1G31001-BS1) ug/L				Lab File ID: 0731LCS1.D		Analyzed: 07/31/11 09:53		
Bromofluorobenzene	30.00	107	75 - 120	12.259	12.268	-0.0090	+/-1.000	
Dibromofluoromethane	30.00	99.9	85 - 115	6.952	6.951	0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.445	7.444	0.0010	+/-1.000	
Toluene-d8	30.00	110	85 - 120	9.65	9.649	0.0010	+/-1.000	
Blank (1G31001-BLK1) ug/L				Lab File ID: 0731BLK1.D		Analyzed: 07/31/11 11:12		
Bromofluorobenzene	30.00	105	75 - 120	12.264	12.268	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	98.8	85 - 115	6.958	6.951	0.0070	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.45	7.444	0.0060	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.655	9.649	0.0060	+/-1.000	
GW8082-TB (1107251-03RE1) ug/L				Lab File ID: 0725103R.D		Analyzed: 07/31/11 12:05		
Bromofluorobenzene	30.00	104	75 - 120	12.264	12.268	-0.0040	+/-1.000	
Dibromofluoromethane	30.00	98.9	85 - 115	6.957	6.951	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.9	70 - 120	7.45	7.444	0.0060	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.645	9.649	-0.0040	+/-1.000	
LCS Dup (1G31001-BSD1) ug/L				Lab File ID: 0731LCD1.D		Analyzed: 07/31/11 15:13		
Bromofluorobenzene	30.00	107	75 - 120	12.27	12.268	0.0020	+/-1.000	
Dibromofluoromethane	30.00	100	85 - 115	6.953	6.951	0.0020	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.445	7.444	0.0010	+/-1.000	
Toluene-d8	30.00	113	85 - 120	9.651	9.649	0.0020	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21601	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21601-CCV1) ug/L				Lab File ID: 0803CCV1.D		Analyzed: 08/03/11 07:52		
Bromofluorobenzene	30.00	112	80 - 120	12.27	12.27	0.0000	+/-1.000	
Dibromofluoromethane	30.00	100	80 - 120	6.963	6.963	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.456	7.456	0.0000	+/-1.000	
Toluene-d8	30.00	114	80 - 120	9.661	9.661	0.0000	+/-1.000	
LCS (1H03003-BS1) ug/L				Lab File ID: 0803LCS1.D		Analyzed: 08/03/11 08:26		
Bromofluorobenzene	30.00	108	75 - 120	12.279	12.27	0.0090	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.962	6.963	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.454	7.456	-0.0020	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.66	9.661	-0.0010	+/-1.000	
Blank (1H03003-BLK1) ug/L				Lab File ID: 0803BLK1.D		Analyzed: 08/03/11 09:45		
Bromofluorobenzene	30.00	105	75 - 120	12.274	12.27	0.0040	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.967	6.963	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.46	7.456	0.0040	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.665	9.661	0.0040	+/-1.000	
GW8083-TB (1108004-09) ug/L				Lab File ID: 0800109.D		Analyzed: 08/03/11 10:11		
Bromofluorobenzene	30.00	105	75 - 120	12.273	12.27	0.0030	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.967	6.963	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.459	7.456	0.0030	+/-1.000	
Toluene-d8	30.00	104	85 - 120	9.664	9.661	0.0030	+/-1.000	
GW0143 (1108004-01) ug/L				Lab File ID: 0800401.D		Analyzed: 08/03/11 13:19		
Bromofluorobenzene	30.00	108	75 - 120	12.273	12.27	0.0030	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.966	6.963	0.0030	+/-1.000	
1,2-Dichloroethane-d4	30.00	104	70 - 120	7.459	7.456	0.0030	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.664	9.661	0.0030	+/-1.000	
GW0150 (1108004-03) ug/L				Lab File ID: 0800403.D		Analyzed: 08/03/11 13:46		
Bromofluorobenzene	30.00	105	75 - 120	12.274	12.27	0.0040	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.967	6.963	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.459	7.456	0.0030	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.665	9.661	0.0040	+/-1.000	
GW0233 (1108004-05) ug/L				Lab File ID: 0800405.D		Analyzed: 08/03/11 14:13		
Bromofluorobenzene	30.00	103	75 - 120	12.273	12.27	0.0030	+/-1.000	
Dibromofluoromethane	30.00	103	85 - 115	6.967	6.963	0.0040	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.459	7.456	0.0030	+/-1.000	
Toluene-d8	30.00	105	85 - 120	9.664	9.661	0.0030	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21601	Instrument:	MS-VOA6
		Calibration:	1197002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0241 (1108004-07) ug/L				Lab File ID: 0800407.D		Analyzed: 08/03/11 14:39		
Bromofluorobenzene	30.00	106	75 - 120	12.279	12.27	0.0090	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.962	6.963	-0.0010	+/-1.000	
1,2-Dichloroethane-d4	30.00	106	70 - 120	7.464	7.456	0.0080	+/-1.000	
Toluene-d8	30.00	106	85 - 120	9.66	9.661	-0.0010	+/-1.000	
LCS Dup (1H03003-BSD1) ug/L				Lab File ID: 0803LCD1.D		Analyzed: 08/03/11 19:07		
Bromofluorobenzene	30.00	107	75 - 120	12.275	12.27	0.0050	+/-1.000	
Dibromofluoromethane	30.00	102	85 - 115	6.969	6.963	0.0060	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.461	7.456	0.0050	+/-1.000	
Toluene-d8	30.00	110	85 - 120	9.666	9.661	0.0050	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28007	Laboratory ID:	1G28007-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	91.6	91.6	40 - 140
Benzene	50.00	51.2	102	80 - 120
Bromobenzene	50.00	50.0	100	75 - 125
Bromochloromethane	50.00	49.4	98.8	65 - 130
Bromodichloromethane	50.00	54.1	108	75 - 120
Bromoform	50.00	41.3	82.6	70 - 130
Bromomethane	50.00	40.6	81.3	30 - 145
n-Butylbenzene	50.00	51.3	103	70 - 135
2-Butanone	100.0	101	101	30 - 150
sec-Butylbenzene	50.00	52.2	104	70 - 125
tert-Butylbenzene	50.00	50.9	102	70 - 130
Carbon disulfide	50.00	58.3	117	35 - 160
Carbon tetrachloride	50.00	50.3	101	65 - 140
Chlorobenzene	50.00	51.8	104	80 - 120
Chloroethane	50.00	56.6	113	60 - 135
Chloroform	50.00	47.0	94.0	65 - 135
Chloromethane	50.00	52.3	105	40 - 125
2-Chlorotoluene	50.00	50.7	101	75 - 125
4-Chlorotoluene	50.00	51.5	103	75 - 130
Dibromochloromethane	50.00	44.9	89.8	60 - 135
1,2-Dibromo-3-chloropropane	50.00	42.2	84.3	50 - 130
1,2-Dibromoethane (EDB)	50.00	49.3	98.6	80 - 120
Dibromomethane	50.00	49.5	99.0	75 - 125
1,2-Dichlorobenzene	50.00	49.9	99.8	70 - 120
1,3-Dichlorobenzene	50.00	51.7	103	75 - 125
1,4-Dichlorobenzene	50.00	50.2	100	75 - 125
Dichlorodifluoromethane	50.00	51.2	102	30 - 155
1,1-Dichloroethane	50.00	52.1	104	70 - 135
1,2-Dichloroethane	50.00	48.8	97.5	70 - 130
1,1-Dichloroethene	50.00	59.6	119	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28007	Laboratory ID:	1G28007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	51.4	103	70 - 125
trans-1,2-Dichloroethene	50.00	53.5	107	60 - 140
1,2-Dichloropropane	50.00	51.9	104	75 - 125
1,3-Dichloropropane	50.00	50.0	100	75 - 125
2,2-Dichloropropane	50.00	49.2	98.4	70 - 135
1,1-Dichloropropene	50.00	51.3	103	75 - 130
cis-1,3-Dichloropropene	50.00	50.1	100	70 - 130
trans-1,3-Dichloropropene	50.00	57.3	115	55 - 140
Ethylbenzene	50.00	51.0	102	75 - 125
Hexachlorobutadiene	50.00	52.7	105	50 - 140
2-Hexanone	100.0	107	107	55 - 130
Isopropylbenzene	50.00	53.2	106	75 - 125
p-Isopropyltoluene	50.00	53.3	107	75 - 130
Methylene chloride	50.00	54.9	110	55 - 140
Naphthalene	50.00	44.9	89.8	55 - 140
4-Methyl-2-pentanone	100.0	102	102	60 - 135
Methyl t-Butyl Ether	50.00	47.4	94.8	65 - 125
n-Propylbenzene	50.00	52.5	105	70 - 130
Styrene	50.00	52.0	104	65 - 135
1,1,2,2-Tetrachloroethane	50.00	50.0	100	65 - 130
1,1,1,2-Tetrachloroethane	50.00	45.6	91.1	80 - 130
Tetrachloroethene	50.00	50.3	101	45 - 150
Toluene	50.00	51.6	103	75 - 120
1,2,3-Trichlorobenzene	50.00	47.5	95.1	55 - 140
1,2,4-Trichlorobenzene	50.00	48.2	96.4	65 - 135
1,1,2-Trichloroethane	50.00	50.0	99.9	75 - 125
1,1,1-Trichloroethane	50.00	48.3	96.6	65 - 130
Trichloroethene	50.00	51.0	102	70 - 125
Trichlorofluoromethane	50.00	51.7	103	60 - 145
1,2,3-Trichloropropane	50.00	47.3	94.6	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28007	Laboratory ID:	1G28007-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	50.3	101	75 - 130
1,2,4-Trimethylbenzene	50.00	50.9	102	75 - 130
Vinyl chloride	50.00	51.8	104	50 - 145
m,p-Xylene	100.0	99.7	99.7	75 - 130
o-Xylene	50.00	49.4	98.8	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28012	Laboratory ID:	1G28012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	92.6	92.6	40 - 140
Benzene	50.00	52.3	105	80 - 120
Bromobenzene	50.00	53.9	108	75 - 125
Bromochloromethane	50.00	51.3	103	65 - 130
Bromodichloromethane	50.00	58.5	117	75 - 120
Bromoform	50.00	43.6	87.2	70 - 130
Bromomethane	50.00	19.5	39.0	30 - 145
n-Butylbenzene	50.00	50.6	101	70 - 135
2-Butanone	100.0	101	101	30 - 150
sec-Butylbenzene	50.00	53.4	107	70 - 125
tert-Butylbenzene	50.00	53.4	107	70 - 130
Carbon disulfide	50.00	59.6	119	35 - 160
Carbon tetrachloride	50.00	48.0	96.1	65 - 140
Chlorobenzene	50.00	54.2	108	80 - 120
Chloroethane	50.00	62.8	126	60 - 135
Chloroform	50.00	49.0	98.0	65 - 135
Chloromethane	50.00	41.2	82.4	40 - 125
2-Chlorotoluene	50.00	55.3	111	75 - 125
4-Chlorotoluene	50.00	54.7	109	75 - 130
Dibromochloromethane	50.00	46.9	93.7	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.4	92.7	50 - 130
1,2-Dibromoethane (EDB)	50.00	53.6	107	80 - 120
Dibromomethane	50.00	52.5	105	75 - 125
1,2-Dichlorobenzene	50.00	54.0	108	70 - 120
1,3-Dichlorobenzene	50.00	53.5	107	75 - 125
1,4-Dichlorobenzene	50.00	52.5	105	75 - 125
Dichlorodifluoromethane	50.00	47.1	94.2	30 - 155
1,1-Dichloroethane	50.00	53.0	106	70 - 135
1,2-Dichloroethane	50.00	51.2	102	70 - 130
1,1-Dichloroethene	50.00	58.9	118	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28012	Laboratory ID:	1G28012-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	52.5	105	70 - 125
trans-1,2-Dichloroethene	50.00	53.1	106	60 - 140
1,2-Dichloropropane	50.00	54.9	110	75 - 125
1,3-Dichloropropane	50.00	53.3	107	75 - 125
2,2-Dichloropropane	50.00	41.8	83.6	70 - 135
1,1-Dichloropropene	50.00	50.7	101	75 - 130
cis-1,3-Dichloropropene	50.00	51.7	103	70 - 130
trans-1,3-Dichloropropene	50.00	60.3	121	55 - 140
Ethylbenzene	50.00	51.7	103	75 - 125
Hexachlorobutadiene	50.00	50.9	102	50 - 140
2-Hexanone	100.0	107	107	55 - 130
Isopropylbenzene	50.00	53.1	106	75 - 125
p-Isopropyltoluene	50.00	53.9	108	75 - 130
Methylene chloride	50.00	58.1	116	55 - 140
Naphthalene	50.00	49.0	98.1	55 - 140
4-Methyl-2-pentanone	100.0	102	102	60 - 135
Methyl t-Butyl Ether	50.00	49.6	99.3	65 - 125
n-Propylbenzene	50.00	54.1	108	70 - 130
Styrene	50.00	54.0	108	65 - 135
1,1,2,2-Tetrachloroethane	50.00	58.1	116	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.9	95.8	80 - 130
Tetrachloroethene	50.00	48.3	96.6	45 - 150
Toluene	50.00	54.5	109	75 - 120
1,2,3-Trichlorobenzene	50.00	51.2	102	55 - 140
1,2,4-Trichlorobenzene	50.00	51.2	102	65 - 135
1,1,2-Trichloroethane	50.00	53.3	107	75 - 125
1,1,1-Trichloroethane	50.00	47.1	94.2	65 - 130
Trichloroethene	50.00	50.8	102	70 - 125
Trichlorofluoromethane	50.00	48.9	97.8	60 - 145
1,2,3-Trichloropropane	50.00	51.3	103	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28012	Laboratory ID:	1G28012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.5	107	75 - 130
1,2,4-Trimethylbenzene	50.00	54.3	109	75 - 130
Vinyl chloride	50.00	47.7	95.5	50 - 145
m,p-Xylene	100.0	102	102	75 - 130
o-Xylene	50.00	51.5	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G30001	Laboratory ID:	1G30001-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	104	104	40 - 140
Benzene	50.00	54.9	110	80 - 120
Bromobenzene	50.00	52.4	105	75 - 125
Bromochloromethane	50.00	55.4	111	65 - 130
Bromodichloromethane	50.00	58.3	117	75 - 120
Bromoform	50.00	45.2	90.3	70 - 130
Bromomethane	50.00	47.3	94.5	30 - 145
n-Butylbenzene	50.00	54.6	109	70 - 135
2-Butanone	100.0	114	114	30 - 150
sec-Butylbenzene	50.00	54.2	108	70 - 125
tert-Butylbenzene	50.00	53.3	107	70 - 130
Carbon disulfide	50.00	65.5	131	35 - 160
Carbon tetrachloride	50.00	52.3	105	65 - 140
Chlorobenzene	50.00	53.9	108	80 - 120
Chloroethane	50.00	61.1	122	60 - 135
Chloroform	50.00	51.3	103	65 - 135
Chloromethane	50.00	59.1	118	40 - 125
2-Chlorotoluene	50.00	53.1	106	75 - 125
4-Chlorotoluene	50.00	53.5	107	75 - 130
Dibromochloromethane	50.00	48.6	97.1	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.5	96.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	54.0	108	80 - 120
Dibromomethane	50.00	55.9	112	75 - 125
1,2-Dichlorobenzene	50.00	52.8	106	70 - 120
1,3-Dichlorobenzene	50.00	54.4	109	75 - 125
1,4-Dichlorobenzene	50.00	52.0	104	75 - 125
Dichlorodifluoromethane	50.00	53.4	107	30 - 155
1,1-Dichloroethane	50.00	56.1	112	70 - 135
1,2-Dichloroethane	50.00	54.1	108	70 - 130
1,1-Dichloroethene	50.00	57.3	115	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G30001	Laboratory ID:	1G30001-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	54.7	109	70 - 125
trans-1,2-Dichloroethene	50.00	56.6	113	60 - 140
1,2-Dichloropropane	50.00	56.5	113	75 - 125
1,3-Dichloropropane	50.00	54.4	109	75 - 125
2,2-Dichloropropane	50.00	52.3	105	70 - 135
1,1-Dichloropropene	50.00	54.2	108	75 - 130
cis-1,3-Dichloropropene	50.00	55.0	110	70 - 130
trans-1,3-Dichloropropene	50.00	62.7	125	55 - 140
Ethylbenzene	50.00	52.9	106	75 - 125
Hexachlorobutadiene	50.00	54.4	109	50 - 140
2-Hexanone	100.0	116	116	55 - 130
Isopropylbenzene	50.00	54.8	110	75 - 125
p-Isopropyltoluene	50.00	57.0	114	75 - 130
Methylene chloride	50.00	57.6	115	55 - 140
Naphthalene	50.00	55.8	112	55 - 140
4-Methyl-2-pentanone	100.0	113	113	60 - 135
Methyl t-Butyl Ether	50.00	55.9	112	65 - 125
n-Propylbenzene	50.00	54.6	109	70 - 130
Styrene	50.00	55.5	111	65 - 135
1,1,2,2-Tetrachloroethane	50.00	56.8	114	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.4	96.7	80 - 130
Tetrachloroethene	50.00	51.1	102	45 - 150
Toluene	50.00	54.7	109	75 - 120
1,2,3-Trichlorobenzene	50.00	55.2	110	55 - 140
1,2,4-Trichlorobenzene	50.00	54.2	108	65 - 135
1,1,2-Trichloroethane	50.00	53.9	108	75 - 125
1,1,1-Trichloroethane	50.00	51.3	103	65 - 130
Trichloroethene	50.00	52.8	106	70 - 125
Trichlorofluoromethane	50.00	55.3	111	60 - 145
1,2,3-Trichloropropane	50.00	53.7	107	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G30001	Laboratory ID:	1G30001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	52.4	105	75 - 130
1,2,4-Trimethylbenzene	50.00	54.9	110	75 - 130
Vinyl chloride	50.00	56.0	112	50 - 145
m,p-Xylene	100.0	105	105	75 - 130
o-Xylene	50.00	53.0	106	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G30002	Laboratory ID:	1G30002-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	93.3	93.3	40 - 140
Benzene	50.00	54.3	109	80 - 120
Bromobenzene	50.00	54.6	109	75 - 125
Bromochloromethane	50.00	53.7	107	65 - 130
Bromodichloromethane	50.00	55.8	112	75 - 120
Bromoform	50.00	42.4	84.8	70 - 130
Bromomethane	50.00	39.0	78.1	30 - 145
n-Butylbenzene	50.00	54.5	109	70 - 135
2-Butanone	100.0	105	105	30 - 150
sec-Butylbenzene	50.00	56.3	113	70 - 125
tert-Butylbenzene	50.00	55.9	112	70 - 130
Carbon disulfide	50.00	64.2	128	35 - 160
Carbon tetrachloride	50.00	50.1	100	65 - 140
Chlorobenzene	50.00	55.7	111	80 - 120
Chloroethane	50.00	58.5	117	60 - 135
Chloroform	50.00	49.0	97.9	65 - 135
Chloromethane	50.00	53.9	108	40 - 125
2-Chlorotoluene	50.00	55.8	112	75 - 125
4-Chlorotoluene	50.00	56.4	113	75 - 130
Dibromochloromethane	50.00	47.0	93.9	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.5	89.0	50 - 130
1,2-Dibromoethane (EDB)	50.00	53.7	107	80 - 120
Dibromomethane	50.00	52.9	106	75 - 125
1,2-Dichlorobenzene	50.00	53.3	107	70 - 120
1,3-Dichlorobenzene	50.00	53.9	108	75 - 125
1,4-Dichlorobenzene	50.00	52.7	105	75 - 125
Dichlorodifluoromethane	50.00	48.9	97.7	30 - 155
1,1-Dichloroethane	50.00	61.0	122	70 - 135
1,2-Dichloroethane	50.00	51.2	102	70 - 130
1,1-Dichloroethene	50.00	59.8	120	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G30002	Laboratory ID:	1G30002-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	53.4	107	70 - 125
trans-1,2-Dichloroethene	50.00	62.9	126	60 - 140
1,2-Dichloropropane	50.00	55.3	111	75 - 125
1,3-Dichloropropane	50.00	54.7	109	75 - 125
2,2-Dichloropropane	50.00	43.0	85.9	70 - 135
1,1-Dichloropropene	50.00	53.4	107	75 - 130
cis-1,3-Dichloropropene	50.00	52.8	106	70 - 130
trans-1,3-Dichloropropene	50.00	60.5	121	55 - 140
Ethylbenzene	50.00	53.1	106	75 - 125
Hexachlorobutadiene	50.00	53.0	106	50 - 140
2-Hexanone	100.0	110	110	55 - 130
Isopropylbenzene	50.00	54.8	110	75 - 125
p-Isopropyltoluene	50.00	56.9	114	75 - 130
Methylene chloride	50.00	57.4	115	55 - 140
Naphthalene	50.00	53.3	107	55 - 140
4-Methyl-2-pentanone	100.0	105	105	60 - 135
Methyl t-Butyl Ether	50.00	56.4	113	65 - 125
n-Propylbenzene	50.00	55.5	111	70 - 130
Styrene	50.00	55.2	110	65 - 135
1,1,2,2-Tetrachloroethane	50.00	57.9	116	65 - 130
1,1,1,2-Tetrachloroethane	50.00	48.1	96.3	80 - 130
Tetrachloroethene	50.00	50.4	101	45 - 150
Toluene	50.00	55.0	110	75 - 120
1,2,3-Trichlorobenzene	50.00	54.3	109	55 - 140
1,2,4-Trichlorobenzene	50.00	53.4	107	65 - 135
1,1,2-Trichloroethane	50.00	54.4	109	75 - 125
1,1,1-Trichloroethane	50.00	48.7	97.3	65 - 130
Trichloroethene	50.00	51.6	103	70 - 125
Trichlorofluoromethane	50.00	52.0	104	60 - 145
1,2,3-Trichloropropane	50.00	50.4	101	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G30002	Laboratory ID:	1G30002-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	55.9	112	75 - 130
1,2,4-Trimethylbenzene	50.00	56.5	113	75 - 130
Vinyl chloride	50.00	52.7	105	50 - 145
m,p-Xylene	100.0	105	105	75 - 130
o-Xylene	50.00	52.6	105	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G31001	Laboratory ID:	1G31001-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acetone	100.0	89.4	89.4	40 - 140
Benzene	50.00	55.9	112	80 - 120
Bromobenzene	50.00	54.6	109	75 - 125
Bromochloromethane	50.00	53.8	108	65 - 130
Bromodichloromethane	50.00	56.5	113	75 - 120
Bromoform	50.00	42.0	83.9	70 - 130
Bromomethane	50.00	24.4	48.8	30 - 145
n-Butylbenzene	50.00	56.9	114	70 - 135
2-Butanone	100.0	104	104	30 - 150
sec-Butylbenzene	50.00	56.5	113	70 - 125
tert-Butylbenzene	50.00	55.6	111	70 - 130
Carbon disulfide	50.00	58.6	117	35 - 160
Carbon tetrachloride	50.00	49.7	99.5	65 - 140
Chlorobenzene	50.00	55.5	111	80 - 120
Chloroethane	50.00	59.8	120	60 - 135
Chloroform	50.00	49.2	98.4	65 - 135
Chloromethane	50.00	45.0	90.0	40 - 125
2-Chlorotoluene	50.00	56.9	114	75 - 125
4-Chlorotoluene	50.00	56.6	113	75 - 130
Dibromochloromethane	50.00	46.6	93.3	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.4	90.8	50 - 130
1,2-Dibromoethane (EDB)	50.00	53.2	106	80 - 120
Dibromomethane	50.00	53.3	107	75 - 125
1,2-Dichlorobenzene	50.00	54.2	108	70 - 120
1,3-Dichlorobenzene	50.00	55.4	111	75 - 125
1,4-Dichlorobenzene	50.00	54.5	109	75 - 125
Dichlorodifluoromethane	50.00	49.7	99.3	30 - 155
1,1-Dichloroethane	50.00	55.8	112	70 - 135
1,2-Dichloroethane	50.00	51.2	102	70 - 130
1,1-Dichloroethene	50.00	54.7	109	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G31001	Laboratory ID:	1G31001-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	54.9	110	70 - 125
trans-1,2-Dichloroethene	50.00	57.7	115	60 - 140
1,2-Dichloropropane	50.00	57.3	115	75 - 125
1,3-Dichloropropane	50.00	54.9	110	75 - 125
2,2-Dichloropropane	50.00	50.0	100	70 - 135
1,1-Dichloropropene	50.00	52.9	106	75 - 130
cis-1,3-Dichloropropene	50.00	54.2	108	70 - 130
trans-1,3-Dichloropropene	50.00	62.5	125	55 - 140
Ethylbenzene	50.00	54.0	108	75 - 125
Hexachlorobutadiene	50.00	55.5	111	50 - 140
2-Hexanone	100.0	108	108	55 - 130
Isopropylbenzene	50.00	55.8	112	75 - 125
p-Isopropyltoluene	50.00	59.8	120	75 - 130
Methylene chloride	50.00	52.8	106	55 - 140
Naphthalene	50.00	51.9	104	55 - 140
4-Methyl-2-pentanone	100.0	102	102	60 - 135
Methyl t-Butyl Ether	50.00	51.9	104	65 - 125
n-Propylbenzene	50.00	57.7	115	70 - 130
Styrene	50.00	55.7	111	65 - 135
1,1,2,2-Tetrachloroethane	50.00	56.9	114	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.7	95.3	80 - 130
Tetrachloroethene	50.00	50.4	101	45 - 150
Toluene	50.00	55.9	112	75 - 120
1,2,3-Trichlorobenzene	50.00	54.2	108	55 - 140
1,2,4-Trichlorobenzene	50.00	55.1	110	65 - 135
1,1,2-Trichloroethane	50.00	54.7	109	75 - 125
1,1,1-Trichloroethane	50.00	48.3	96.5	65 - 130
Trichloroethene	50.00	52.7	105	70 - 125
Trichlorofluoromethane	50.00	50.9	102	60 - 145
1,2,3-Trichloropropane	50.00	49.9	99.9	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G31001	Laboratory ID:	1G31001-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	56.6	113	75 - 130
1,2,4-Trimethylbenzene	50.00	57.5	115	75 - 130
Vinyl chloride	50.00	52.5	105	50 - 145
m,p-Xylene	100.0	105	105	75 - 130
o-Xylene	50.00	52.7	105	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	91.6	91.6	2.50	30	40 - 140
Benzene	50.00	55.5	111	0.715	30	80 - 120
Bromobenzene	50.00	53.0	106	2.83	30	75 - 125
Bromochloromethane	50.00	52.8	106	1.72	30	65 - 130
Bromodichloromethane	50.00	53.1	106	6.15	30	75 - 120
Bromoform	50.00	41.7	83.4	0.584	30	70 - 130
Bromomethane	**50.00**	**13.5**	**27.1 ***	**57.2 ***	**30**	**30 - 145**
n-Butylbenzene	50.00	53.8	108	5.61	30	70 - 135
2-Butanone	100.0	110	110	5.30	30	30 - 150
sec-Butylbenzene	50.00	54.5	109	3.66	30	70 - 125
tert-Butylbenzene	50.00	54.3	109	2.50	30	70 - 130
Carbon disulfide	50.00	62.8	126	6.91	30	35 - 160
Carbon tetrachloride	50.00	47.5	95.1	4.55	30	65 - 140
Chlorobenzene	50.00	54.8	110	1.32	30	80 - 120
Chloroethane	50.00	58.5	117	2.29	30	60 - 135
Chloroform	50.00	47.4	94.8	3.74	30	65 - 135
Chloromethane	50.00	43.1	86.2	4.37	30	40 - 125
2-Chlorotoluene	50.00	54.2	108	4.83	30	75 - 125
4-Chlorotoluene	50.00	54.2	108	4.25	30	75 - 130
Dibromochloromethane	50.00	46.1	92.2	1.16	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.4	88.9	2.21	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	53.8	108	1.28	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G31001	Laboratory ID:	1G31001-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibromomethane	50.00	52.1	104	2.39	30	75 - 125
1,2-Dichlorobenzene	50.00	52.1	104	3.89	30	70 - 120
1,3-Dichlorobenzene	50.00	52.6	105	5.23	30	75 - 125
1,4-Dichlorobenzene	50.00	52.1	104	4.59	30	75 - 125
Dichlorodifluoromethane	50.00	50.7	101	2.09	30	30 - 155
1,1-Dichloroethane	50.00	55.1	110	1.20	30	70 - 135
1,2-Dichloroethane	50.00	49.1	98.3	4.05	30	70 - 130
1,1-Dichloroethene	50.00	59.0	118	7.46	30	70 - 130
cis-1,2-Dichloroethene	50.00	55.8	112	1.62	30	70 - 125
trans-1,2-Dichloroethene	50.00	55.8	112	3.36	30	60 - 140
1,2-Dichloropropane	50.00	56.4	113	1.58	30	75 - 125
1,3-Dichloropropane	50.00	55.1	110	0.392	30	75 - 125
2,2-Dichloropropane	50.00	45.6	91.2	9.19	30	70 - 135
1,1-Dichloropropene	50.00	52.6	105	0.593	30	75 - 130
cis-1,3-Dichloropropene	50.00	52.7	105	2.79	30	70 - 130
trans-1,3-Dichloropropene	50.00	60.9	122	2.59	30	55 - 140
Ethylbenzene	50.00	53.3	107	1.21	30	75 - 125
Hexachlorobutadiene	50.00	47.7	95.4	15.1	30	50 - 140
2-Hexanone	100.0	115	115	6.28	30	55 - 130
Isopropylbenzene	50.00	54.3	109	2.60	30	75 - 125
p-Isopropyltoluene	50.00	57.0	114	4.73	30	75 - 130
Methylene chloride	50.00	55.6	111	5.16	30	55 - 140
Naphthalene	50.00	50.3	101	3.23	30	55 - 140
4-Methyl-2-pentanone	100.0	108	108	6.20	30	60 - 135
Methyl t-Butyl Ether	50.00	50.8	102	2.17	30	65 - 125
n-Propylbenzene	50.00	55.0	110	4.80	30	70 - 130
Styrene	50.00	56.6	113	1.59	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	57.5	115	0.970	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	46.4	92.7	2.80	30	80 - 130
Tetrachloroethene	50.00	49.7	99.4	1.30	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G31001	Laboratory ID:	1G31001-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.00	55.8	112	0.136	30	75 - 120
1,2,3-Trichlorobenzene	50.00	50.5	101	7.03	30	55 - 140
1,2,4-Trichlorobenzene	50.00	52.3	105	5.22	30	65 - 135
1,1,2-Trichloroethane	50.00	55.1	110	0.726	30	75 - 125
1,1,1-Trichloroethane	50.00	46.5	92.9	3.78	30	65 - 130
Trichloroethene	50.00	50.4	101	4.38	30	70 - 125
Trichlorofluoromethane	50.00	48.9	97.7	4.10	30	60 - 145
1,2,3-Trichloropropane	50.00	50.8	102	1.63	30	75 - 125
1,3,5-Trimethylbenzene	50.00	53.7	107	5.32	30	75 - 130
1,2,4-Trimethylbenzene	50.00	55.2	110	4.05	30	75 - 130
Vinyl chloride	50.00	47.0	94.0	10.9	30	50 - 145
m,p-Xylene	100.0	104	104	0.970	30	75 - 130
o-Xylene	50.00	51.9	104	1.57	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03003	Laboratory ID:	1H03003-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	99.6	99.6	40 - 140
Benzene	50.00	54.7	109	80 - 120
Bromobenzene	50.00	54.3	109	75 - 125
Bromochloromethane	50.00	56.7	113	65 - 130
Bromodichloromethane	50.00	59.0	118	75 - 120
Bromoform	50.00	44.5	88.9	70 - 130
Bromomethane	50.00	19.9	39.8	30 - 145
n-Butylbenzene	50.00	56.5	113	70 - 135
2-Butanone	100.0	109	109	30 - 150
sec-Butylbenzene	50.00	54.5	109	70 - 125
tert-Butylbenzene	50.00	53.8	108	70 - 130
Carbon disulfide	50.00	60.3	121	35 - 160
Carbon tetrachloride	50.00	51.2	102	65 - 140
Chlorobenzene	50.00	55.6	111	80 - 120
Chloroethane	50.00	59.0	118	60 - 135
Chloroform	50.00	50.8	102	65 - 135
Chloromethane	50.00	42.4	84.8	40 - 125
2-Chlorotoluene	50.00	55.9	112	75 - 125
4-Chlorotoluene	50.00	55.9	112	75 - 130
Dibromochloromethane	50.00	49.2	98.5	60 - 135
1,2-Dibromo-3-chloropropane	50.00	46.1	92.1	50 - 130
1,2-Dibromoethane (EDB)	50.00	55.8	112	80 - 120
Dibromomethane	50.00	55.1	110	75 - 125
1,2-Dichlorobenzene	50.00	54.9	110	70 - 120
1,3-Dichlorobenzene	50.00	55.1	110	75 - 125
1,4-Dichlorobenzene	50.00	53.9	108	75 - 125
Dichlorodifluoromethane	50.00	50.5	101	30 - 155
1,1-Dichloroethane	50.00	55.3	111	70 - 135
1,2-Dichloroethane	50.00	53.3	107	70 - 130
1,1-Dichloroethene	50.00	60.3	121	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03003	Laboratory ID:	1H03003-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	55.9	112	70 - 125
trans-1,2-Dichloroethene	50.00	56.4	113	60 - 140
1,2-Dichloropropane	50.00	56.7	113	75 - 125
1,3-Dichloropropane	50.00	55.5	111	75 - 125
2,2-Dichloropropane	50.00	53.1	106	70 - 135
1,1-Dichloropropene	50.00	53.0	106	75 - 130
cis-1,3-Dichloropropene	50.00	54.3	109	70 - 130
trans-1,3-Dichloropropene	50.00	63.6	127	55 - 140
Ethylbenzene	50.00	54.7	109	75 - 125
Hexachlorobutadiene	50.00	55.7	111	50 - 140
2-Hexanone	100.0	113	113	55 - 130
Isopropylbenzene	50.00	56.4	113	75 - 125
p-Isopropyltoluene	50.00	57.8	116	75 - 130
Methylene chloride	50.00	57.2	114	55 - 140
Naphthalene	50.00	52.9	106	55 - 140
4-Methyl-2-pentanone	100.0	108	108	60 - 135
Methyl t-Butyl Ether	50.00	53.9	108	65 - 125
n-Propylbenzene	50.00	55.6	111	70 - 130
Styrene	50.00	56.0	112	65 - 135
1,1,2,2-Tetrachloroethane	50.00	56.7	113	65 - 130
1,1,1,2-Tetrachloroethane	50.00	49.8	99.6	80 - 130
Tetrachloroethene	50.00	53.2	106	45 - 150
Toluene	50.00	55.9	112	75 - 120
1,2,3-Trichlorobenzene	50.00	54.3	109	55 - 140
1,2,4-Trichlorobenzene	50.00	55.2	110	65 - 135
1,1,2-Trichloroethane	50.00	55.8	112	75 - 125
1,1,1-Trichloroethane	50.00	50.4	101	65 - 130
Trichloroethene	50.00	52.8	106	70 - 125
Trichlorofluoromethane	50.00	53.8	108	60 - 145
1,2,3-Trichloropropane	50.00	51.9	104	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03003	Laboratory ID:	1H03003-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	53.3	107	75 - 130
1,2,4-Trimethylbenzene	50.00	56.0	112	75 - 130
Vinyl chloride	50.00	51.6	103	50 - 145
m,p-Xylene	100.0	107	107	75 - 130
o-Xylene	50.00	54.0	108	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	102	102	2.72	30	40 - 140
Benzene	50.00	56.3	113	2.92	30	80 - 120
Bromobenzene	50.00	54.8	110	0.932	30	75 - 125
Bromochloromethane	50.00	55.9	112	1.44	30	65 - 130
Bromodichloromethane	50.00	56.6	113	4.10	30	75 - 120
Bromoform	50.00	45.2	90.4	1.61	30	70 - 130
Bromomethane	50.00	25.3	50.6	24.0	30	30 - 145
n-Butylbenzene	50.00	54.3	109	3.88	30	70 - 135
2-Butanone	100.0	119	119	8.60	30	30 - 150
sec-Butylbenzene	50.00	56.3	113	3.21	30	70 - 125
tert-Butylbenzene	50.00	55.6	111	3.22	30	70 - 130
Carbon disulfide	50.00	62.8	126	4.15	30	35 - 160
Carbon tetrachloride	50.00	49.5	99.0	3.34	30	65 - 140
Chlorobenzene	50.00	57.9	116	3.97	30	80 - 120
Chloroethane	50.00	59.0	118	0.0469	30	60 - 135
Chloroform	50.00	49.9	99.9	1.72	30	65 - 135
Chloromethane	50.00	43.7	87.4	3.01	30	40 - 125
2-Chlorotoluene	50.00	56.3	113	0.734	30	75 - 125
4-Chlorotoluene	50.00	56.2	112	0.473	30	75 - 130
Dibromochloromethane	50.00	48.6	97.2	1.30	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	48.1	96.1	4.26	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	57.7	115	3.45	30	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03003	Laboratory ID:	1H03003-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Dibromomethane	50.00	55.5	111	0.665	30	75 - 125
1,2-Dichlorobenzene	50.00	54.3	109	1.18	30	70 - 120
1,3-Dichlorobenzene	50.00	56.0	112	1.57	30	75 - 125
1,4-Dichlorobenzene	50.00	53.8	108	0.182	30	75 - 125
Dichlorodifluoromethane	50.00	46.7	93.5	7.72	30	30 - 155
1,1-Dichloroethane	50.00	56.9	114	2.88	30	70 - 135
1,2-Dichloroethane	50.00	51.9	104	2.70	30	70 - 130
1,1-Dichloroethene	50.00	60.8	122	0.872	30	70 - 130
cis-1,2-Dichloroethene	50.00	55.6	111	0.445	30	70 - 125
trans-1,2-Dichloroethene	50.00	57.8	116	2.53	30	60 - 140
1,2-Dichloropropane	50.00	58.3	117	2.72	30	75 - 125
1,3-Dichloropropane	50.00	57.7	115	3.90	30	75 - 125
2,2-Dichloropropane	50.00	42.4	84.8	22.4	30	70 - 135
1,1-Dichloropropene	50.00	53.7	107	1.25	30	75 - 130
cis-1,3-Dichloropropene	50.00	54.1	108	0.470	30	70 - 130
trans-1,3-Dichloropropene	50.00	62.2	124	2.17	30	55 - 140
Ethylbenzene	50.00	55.4	111	1.25	30	75 - 125
Hexachlorobutadiene	50.00	51.4	103	7.90	30	50 - 140
2-Hexanone	100.0	125	125	9.80	30	55 - 130
Isopropylbenzene	50.00	56.6	113	0.382	30	75 - 125
p-Isopropyltoluene	50.00	58.2	116	0.699	30	75 - 130
Methylene chloride	50.00	57.7	115	0.843	30	55 - 140
Naphthalene	50.00	55.1	110	4.21	30	55 - 140
4-Methyl-2-pentanone	100.0	116	116	7.55	30	60 - 135
Methyl t-Butyl Ether	50.00	54.3	109	0.800	30	65 - 125
n-Propylbenzene	50.00	56.2	112	1.06	30	70 - 130
Styrene	50.00	57.9	116	3.36	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	61.6	123	8.27	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	50.2	100	0.774	30	80 - 130
Tetrachloroethene	50.00	52.2	104	1.89	30	45 - 150

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H03003	Laboratory ID:	1H03003-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Toluene	50.00	56.9	114	1.82	30	75 - 120
1,2,3-Trichlorobenzene	50.00	54.2	108	0.168	30	55 - 140
1,2,4-Trichlorobenzene	50.00	54.3	109	1.63	30	65 - 135
1,1,2-Trichloroethane	50.00	58.5	117	4.83	30	75 - 125
1,1,1-Trichloroethane	50.00	48.8	97.7	3.17	30	65 - 130
Trichloroethene	50.00	52.4	105	0.788	30	70 - 125
Trichlorofluoromethane	50.00	50.3	101	6.80	30	60 - 145
1,2,3-Trichloropropane	50.00	54.1	108	4.05	30	75 - 125
1,3,5-Trimethylbenzene	50.00	55.5	111	4.11	30	75 - 130
1,2,4-Trimethylbenzene	50.00	56.4	113	0.762	30	75 - 130
Vinyl chloride	50.00	49.4	98.8	4.36	30	50 - 145
m,p-Xylene	100.0	108	108	0.452	30	75 - 130
o-Xylene	50.00	54.1	108	0.0453	30	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1G30002

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	96.2	96.2		40 - 140
Benzene	50.00	ND	56.8	114		80 - 120
Bromobenzene	50.00	ND	55.0	110		75 - 125
Bromochloromethane	50.00	ND	54.7	109		65 - 130
Bromodichloromethane	50.00	ND	56.3	113		75 - 120
Bromoform	50.00	ND	44.0	88.0		70 - 130
Bromomethane	50.00	ND	21.8	43.7		30 - 145
n-Butylbenzene	50.00	ND	55.8	112		70 - 135
2-Butanone	100.0	ND	111	111		30 - 150
sec-Butylbenzene	50.00	ND	58.0	116		70 - 125
tert-Butylbenzene	50.00	ND	57.3	115		70 - 130
Carbon disulfide	50.00	ND	67.1	134		35 - 160
Carbon tetrachloride	50.00	ND	51.9	104		65 - 140
Chlorobenzene	50.00	ND	58.1	116		80 - 120
Chloroethane	50.00	ND	60.8	122		60 - 135
Chloroform	50.00	ND	50.3	101		65 - 135
Chloromethane	50.00	ND	41.2	82.5		40 - 125
2-Chlorotoluene	50.00	ND	56.8	114		75 - 125
4-Chlorotoluene	50.00	ND	56.0	112		75 - 130
Dibromochloromethane	50.00	ND	48.3	96.5		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	45.9	91.7		50 - 130
1,2-Dibromoethane (EDB)	50.00	ND	55.8	112		80 - 120
Dibromomethane	50.00	ND	53.9	108		75 - 125
1,2-Dichlorobenzene	50.00	ND	54.1	108		70 - 120
1,3-Dichlorobenzene	50.00	ND	54.4	109		75 - 125
1,4-Dichlorobenzene	50.00	ND	53.2	106		75 - 125
Dichlorodifluoromethane	50.00	ND	51.9	104		30 - 155
1,1-Dichloroethane	50.00	ND	56.1	112		70 - 135
1,2-Dichloroethane	50.00	ND	52.1	104		70 - 130
1,1-Dichloroethene	50.00	ND	63.2	126		70 - 130
cis-1,2-Dichloroethene	50.00	ND	55.3	111		70 - 125
trans-1,2-Dichloroethene	50.00	ND	56.4	113		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1G30002

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dichloropropane	50.00	ND	57.7	115		75 - 125
1,3-Dichloropropane	50.00	ND	57.8	116		75 - 125
2,2-Dichloropropane	50.00	ND	37.1	74.2		70 - 135
1,1-Dichloropropene	50.00	ND	55.9	112		75 - 130
cis-1,3-Dichloropropene	50.00	ND	51.9	104		70 - 130
trans-1,3-Dichloropropene	50.00	ND	60.8	122		55 - 140
Ethylbenzene	50.00	ND	56.3	113		75 - 125
Hexachlorobutadiene	50.00	ND	51.6	103		50 - 140
2-Hexanone	100.0	ND	116	116		55 - 130
Isopropylbenzene	50.00	ND	57.8	116		75 - 125
p-Isopropyltoluene	50.00	ND	58.3	117		75 - 130
Methylene chloride	50.00	ND	58.3	117		55 - 140
Naphthalene	50.00	ND	52.9	106		55 - 140
4-Methyl-2-pentanone	100.0	ND	107	107		60 - 135
Methyl t-Butyl Ether	50.00	ND	52.4	105		65 - 125
n-Propylbenzene	50.00	ND	57.7	115		70 - 130
Styrene	50.00	ND	56.2	112		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	59.0	118		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	49.9	99.9		80 - 130
Tetrachloroethene	50.00	ND	52.4	105		45 - 150
Toluene	50.00	ND	57.9	116		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	53.4	107		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	55.0	110		65 - 135
1,1,2-Trichloroethane	50.00	ND	56.6	113		75 - 125
1,1,1-Trichloroethane	50.00	ND	50.9	102		65 - 130
Trichloroethene	50.00	ND	53.7	107		70 - 125
Trichlorofluoromethane	50.00	ND	54.4	109		60 - 145
1,2,3-Trichloropropane	50.00	ND	52.4	105		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	56.4	113		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	56.5	113		75 - 130
Vinyl chloride	50.00	ND	52.2	104		50 - 145
m,p-Xylene	100.0	ND	110	110		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1G30002

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
o-Xylene	50.00	ND	54.2	108		80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1G30002

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	97.3	97.3	1.04		30	40 - 140
Benzene	50.00	55.0	110	3.17		30	80 - 120
Bromobenzene	50.00	53.8	108	2.17		30	75 - 125
Bromochloromethane	50.00	54.1	108	1.09		30	65 - 130
Bromodichloromethane	50.00	55.3	111	1.74		30	75 - 120
Bromoform	50.00	41.6	83.3	5.55		30	70 - 130
Bromomethane	50.00	22.2	44.4	1.52		30	30 - 145
n-Butylbenzene	50.00	53.0	106	5.06		30	70 - 135
2-Butanone	100.0	110	110	0.651		30	30 - 150
sec-Butylbenzene	50.00	54.8	110	5.76		30	70 - 125
tert-Butylbenzene	50.00	54.0	108	6.07		30	70 - 130
Carbon disulfide	50.00	64.2	128	4.28		30	35 - 160
Carbon tetrachloride	50.00	49.6	99.3	4.39		30	65 - 140
Chlorobenzene	50.00	55.3	111	5.01		30	80 - 120
Chloroethane	50.00	58.5	117	3.81		30	60 - 135
Chloroform	50.00	48.7	97.5	3.08		30	65 - 135
Chloromethane	50.00	42.9	85.8	3.93		30	40 - 125
2-Chlorotoluene	50.00	54.7	109	3.79		30	75 - 125
4-Chlorotoluene	50.00	55.0	110	1.85		30	75 - 130
Dibromochloromethane	50.00	46.0	92.0	4.81		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	44.5	89.0	3.04		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	53.6	107	4.14		30	80 - 120
Dibromomethane	50.00	53.0	106	1.78		30	75 - 125
1,2-Dichlorobenzene	50.00	52.8	106	2.42		30	70 - 120
1,3-Dichlorobenzene	50.00	53.8	108	1.06		30	75 - 125
1,4-Dichlorobenzene	50.00	52.2	104	1.85		30	75 - 125
Dichlorodifluoromethane	50.00	49.7	99.4	4.28		30	30 - 155
1,1-Dichloroethane	50.00	55.8	112	0.686		30	70 - 135
1,2-Dichloroethane	50.00	51.1	102	1.90		30	70 - 130
1,1-Dichloroethene	50.00	60.1	120	5.00		30	70 - 130
cis-1,2-Dichloroethene	50.00	54.4	109	1.54		30	70 - 125
trans-1,2-Dichloroethene	50.00	54.3	109	3.72		30	60 - 140
1,2-Dichloropropane	50.00	56.2	112	2.65		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1G30002

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	54.5	109	5.83		30	75 - 125
2,2-Dichloropropane	50.00	34.6	69.1	7.04	*	30	70 - 135
1,1-Dichloropropene	50.00	53.4	107	4.59		30	75 - 130
cis-1,3-Dichloropropene	50.00	51.2	102	1.31		30	70 - 130
trans-1,3-Dichloropropene	50.00	57.6	115	5.40		30	55 - 140
Ethylbenzene	50.00	53.3	107	5.44		30	75 - 125
Hexachlorobutadiene	50.00	49.7	99.4	3.73		30	50 - 140
2-Hexanone	100.0	110	110	5.46		30	55 - 130
Isopropylbenzene	50.00	54.9	110	5.10		30	75 - 125
p-Isopropyltoluene	50.00	56.8	114	2.54		30	75 - 130
Methylene chloride	50.00	57.0	114	2.32		30	55 - 140
Naphthalene	50.00	51.9	104	1.91		30	55 - 140
4-Methyl-2-pentanone	100.0	105	105	1.53		30	60 - 135
Methyl t-Butyl Ether	50.00	51.9	104	1.03		30	65 - 125
n-Propylbenzene	50.00	56.0	112	2.87		30	70 - 130
Styrene	50.00	54.9	110	2.46		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	58.4	117	0.959		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.5	95.0	4.93		30	80 - 130
Tetrachloroethene	50.00	49.1	98.2	6.43		30	45 - 150
Toluene	50.00	55.2	110	4.81		30	75 - 120
1,2,3-Trichlorobenzene	50.00	51.6	103	3.37		30	55 - 140
1,2,4-Trichlorobenzene	50.00	52.5	105	4.61		30	65 - 135
1,1,2-Trichloroethane	50.00	54.4	109	3.94		30	75 - 125
1,1,1-Trichloroethane	50.00	48.4	96.8	4.99		30	65 - 130
Trichloroethene	50.00	52.1	104	2.90		30	70 - 125
Trichlorofluoromethane	50.00	51.8	104	4.95		30	60 - 145
1,2,3-Trichloropropane	50.00	49.6	99.3	5.40		30	75 - 125
1,3,5-Trimethylbenzene	50.00	54.5	109	3.31		30	75 - 130
1,2,4-Trimethylbenzene	50.00	54.9	110	2.87		30	75 - 130
Vinyl chloride	50.00	50.2	100	3.89		30	50 - 145
m,p-Xylene	100.0	102	102	7.01		30	75 - 130
o-Xylene	50.00	51.3	103	5.47		30	80 - 120

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G28007 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	07/28/11 00:00	5.00	5.00
GW0242	1107209-03	07/28/11 00:00	5.00	5.00
GW8079-TB	1107209-05	07/28/11 00:00	5.00	5.00
GW0174	1107224-01	07/28/11 00:00	5.00	5.00
GW0175	1107224-03	07/28/11 00:00	5.00	5.00
Blank	1G28007-BLK1	07/28/11 00:00	5.00	5.00
LCS	1G28007-BS1	07/28/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G28012 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0239	1107224-05	07/28/11 00:00	5.00	5.00
GW8080-TB	1107224-07	07/28/11 00:00	5.00	5.00
Blank	1G28012-BLK1	07/28/11 00:00	5.00	5.00
LCS	1G28012-BS1	07/28/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G30001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0170	1107237-01	07/30/11 00:00	5.00	5.00
GW0171	1107237-03	07/30/11 00:00	5.00	5.00
GW0237	1107237-05	07/30/11 00:00	5.00	5.00
GW0238	1107237-07	07/30/11 00:00	5.00	5.00
GW8081-TB	1107237-09	07/30/11 00:00	5.00	5.00
Blank	1G30001-BLK1	07/30/11 00:00	5.00	5.00
LCS	1G30001-BS1	07/30/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G30002 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0145	1107251-01	07/30/11 00:00	5.00	5.00
Blank	1G30002-BLK1	07/30/11 00:00	5.00	5.00
LCS	1G30002-BS1	07/30/11 00:00	5.00	5.00
GW0145	1G30002-MS3	07/30/11 00:00	5.00	5.00
GW0145	1G30002-MSD3	07/30/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G31001 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW8082-TB	1107251-03RE1	07/31/11 00:00	5.00	5.00
Blank	1G31001-BLK1	07/31/11 00:00	5.00	5.00
LCS	1G31001-BS1	07/31/11 00:00	5.00	5.00
LCS Dup	1G31001-BSD1	07/31/11 00:00	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H03003 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0143	1108004-01	08/03/11 00:00	5.00	5.00
GW0150	1108004-03	08/03/11 00:00	5.00	5.00
GW0233	1108004-05	08/03/11 00:00	5.00	5.00
GW0241	1108004-07	08/03/11 00:00	5.00	5.00
GW8083-TB	1108004-09	08/03/11 00:00	5.00	5.00
Blank	1H03003-BLK1	08/03/11 00:00	5.00	5.00
LCS	1H03003-BS1	08/03/11 00:00	5.00	5.00
LCS Dup	1H03003-BSD1	08/03/11 00:00	5.00	5.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0715TUN1.D	Injection Date:	07/15/11
Instrument ID:	MS-VOA6	Injection Time:	06:41
Sequence:	1G19702	Lab Sample ID:	1G19702-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0728TUN1.D	Injection Date:	07/28/11
Instrument ID:	MS-VOA6	Injection Time:	08:06
Sequence:	1G21039	Lab Sample ID:	1G21039-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.5	PASS
75	30 - 60% of 95	52.8	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.14	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	104	PASS
175	5 - 9% of 174	7.17	PASS
176	95 - 101% of 174	97.9	PASS
177	5 - 9% of 176	5.95	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0728TUNE.D	Injection Date:	07/28/11
Instrument ID:	MS-VOA6	Injection Time:	20:08
Sequence:	1G21102	Lab Sample ID:	1G21102-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	27.9	PASS
75	30 - 60% of 95	58.1	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.74	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	57.3	PASS
175	5 - 9% of 174	7.98	PASS
176	95 - 101% of 174	96	PASS
177	5 - 9% of 176	7.33	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0730TUN1.D	Injection Date:	07/30/11
Instrument ID:	MS-VOA6	Injection Time:	08:38
Sequence:	1G21201	Lab Sample ID:	1G21201-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	20.3	PASS
75	30 - 60% of 95	52	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.2	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	104	PASS
175	5 - 9% of 174	7.02	PASS
176	95 - 101% of 174	98.8	PASS
177	5 - 9% of 176	6.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0730TUN2.D	Injection Date:	07/30/11
Instrument ID:	MS-VOA6	Injection Time:	20:20
Sequence:	1H21501	Lab Sample ID:	1H21501-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	21.4	PASS
75	30 - 60% of 95	52.7	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.31	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	85	PASS
175	5 - 9% of 174	7.09	PASS
176	95 - 101% of 174	96.3	PASS
177	5 - 9% of 176	6.66	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0731TUN1.D	Injection Date:	07/31/11
Instrument ID:	MS-VOA6	Injection Time:	08:51
Sequence:	1H21502	Lab Sample ID:	1H21502-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	26.5	PASS
75	30 - 60% of 95	58.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	7.11	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	65.6	PASS
175	5 - 9% of 174	7.48	PASS
176	95 - 101% of 174	95.3	PASS
177	5 - 9% of 176	6.55	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0803TUN1.D	Injection Date:	08/03/11
Instrument ID:	MS-VOA6	Injection Time:	07:25
Sequence:	1H21601	Lab Sample ID:	1H21601-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24	PASS
75	30 - 60% of 95	56.2	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.51	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	85.6	PASS
175	5 - 9% of 174	7.31	PASS
176	95 - 101% of 174	96.9	PASS
177	5 - 9% of 176	6.56	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G19702	Instrument:	MS-VOA6
Calibration:	1197002		

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

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21039	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1G21039-TUN1	0728TUN1.D	07/28/11 08:06
Calibration Check	1G21039-CCV1	0728CCV1.D	07/28/11 08:33
LCS	1G28007-BS1	0728LCS1.D	07/28/11 09:00
Blank	1G28007-BLK1	0728BLK1.D	07/28/11 10:18
GW8079-TB	1107209-05	0720905.D	07/28/11 10:47
GW0207	1107209-01	0720901.D	07/28/11 13:00
GW0242	1107209-03	0720903.D	07/28/11 13:27
GW0174	1107224-01	0722401.D	07/28/11 17:28
GW0175	1107224-03	0722403.D	07/28/11 17:55

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21102	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1G21102-TUN1	0728TUNE.D	07/28/11 20:08
Calibration Check	1G21102-CCV1	0728CCVE.D	07/28/11 20:35
LCS	1G28012-BS1	0728LCSE.D	07/28/11 21:01
Blank	1G28012-BLK1	0728BLKE.D	07/28/11 22:20
GW8080-TB	1107224-07	0722407.D	07/28/11 23:40
GW0239	1107224-05	0722405.D	07/29/11 01:26

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21201	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1G21201-TUN1	0730TUN1.D	07/30/11 08:38
Calibration Check	1G21201-CCV1	0730CCV1.D	07/30/11 09:05
LCS	1G30001-BS1	0730LCS1.D	07/30/11 09:40
Blank	1G30001-BLK1	0730BLK1.D	07/30/11 10:58
GW8081-TB	1107237-09	0723709.D	07/30/11 11:25
GW0170	1107237-01	0723701.D	07/30/11 14:32
GW0171	1107237-03	0723703.D	07/30/11 14:59
GW0237	1107237-05	0723705.D	07/30/11 15:26
GW0238	1107237-07	0723707.D	07/30/11 15:53

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21501	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21501-TUN1	0730TUN2.D	07/30/11 20:20
Calibration Check	1H21501-CCV1	0730CCV2.D	07/30/11 20:46
LCS	1G30002-BS1	0730LCS2.D	07/30/11 21:13
Blank	1G30002-BLK1	0730BLK2.D	07/30/11 22:31
GW0145	1107251-01	0725101.D	07/31/11 04:18
GW0145	1G30002-MS3	0725101M.D	07/31/11 07:25
GW0145	1G30002-MSD3	0725101S.D	07/31/11 07:52

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21502	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21502-TUN1	0731TUN1.D	07/31/11 08:51
Calibration Check	1H21502-CCV1	0731CCV1.D	07/31/11 09:18
LCS	1G31001-BS1	0731LCS1.D	07/31/11 09:53
Blank	1G31001-BLK1	0731BLK1.D	07/31/11 11:12
GW8082-TB	1107251-03RE1	0725103R.D	07/31/11 12:05
LCS Dup	1G31001-BSD1	0731LCD1.D	07/31/11 15:13

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21601	Instrument:	MS-VOA6
Calibration:	1197002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21601-TUN1	0803TUN1.D	08/03/11 07:25
Calibration Check	1H21601-CCV1	0803CCV1.D	08/03/11 07:52
LCS	1H03003-BS1	0803LCS1.D	08/03/11 08:26
Blank	1H03003-BLK1	0803BLK1.D	08/03/11 09:45
GW8083-TB	1108004-09	0800109.D	08/03/11 10:11
GW0143	1108004-01	0800401.D	08/03/11 13:19
GW0150	1108004-03	0800403.D	08/03/11 13:46
GW0233	1108004-05	0800405.D	08/03/11 14:13
GW0241	1108004-07	0800407.D	08/03/11 14:39
LCS Dup	1H03003-BSD1	0803LCD1.D	08/03/11 19:07

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21039	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1G21039-CCV1)			Lab File ID: 0728CCV1.D			Analyzed: 07/28/11 08:33			
Fluorobenzene	871816	7.972	704952	7.974	124	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	358565	11.074	316180	11.085	113	50 - 200	-0.0110	+/-0.50	
1,4-Dichlorobenzene-d4	354075	13.466	316197	13.477	112	50 - 200	-0.0110	+/-0.50	
LCS (1G28007-BS1)			Lab File ID: 0728LCS1.D			Analyzed: 07/28/11 09:00			
Fluorobenzene	854461	7.974	871816	7.972	98	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	379326	11.075	358565	11.074	106	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	360240	13.467	354075	13.466	102	50 - 200	0.0010	+/-0.50	
Blank (1G28007-BLK1)			Lab File ID: 0728BLK1.D			Analyzed: 07/28/11 10:18			
Fluorobenzene	854450	7.974	871816	7.972	98	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	397860	11.075	358565	11.074	111	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	375916	13.468	354075	13.466	106	50 - 200	0.0020	+/-0.50	
GW8079-TB (1107209-05)			Lab File ID: 0720905.D			Analyzed: 07/28/11 10:47			
Fluorobenzene	829742	7.967	871816	7.972	95	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	387856	11.078	358565	11.074	108	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	367324	13.47	354075	13.466	104	50 - 200	0.0040	+/-0.50	
GW0207 (1107209-01)			Lab File ID: 0720901.D			Analyzed: 07/28/11 13:00			
Fluorobenzene	819833	7.971	871816	7.972	94	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	379411	11.073	358565	11.074	106	50 - 200	-0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	364856	13.465	354075	13.466	103	50 - 200	-0.0010	+/-0.50	
GW0242 (1107209-03)			Lab File ID: 0720903.D			Analyzed: 07/28/11 13:27			
Fluorobenzene	831858	7.975	871816	7.972	95	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	387976	11.076	358565	11.074	108	50 - 200	0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	361946	13.469	354075	13.466	102	50 - 200	0.0030	+/-0.50	
GW0174 (1107224-01)			Lab File ID: 0722401.D			Analyzed: 07/28/11 17:28			
Fluorobenzene	845032	7.971	871816	7.972	97	50 - 200	-0.0010	+/-0.50	
Chlorobenzene-d5	388828	11.082	358565	11.074	108	50 - 200	0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	366939	13.465	354075	13.466	104	50 - 200	-0.0010	+/-0.50	
GW0175 (1107224-03)			Lab File ID: 0722403.D			Analyzed: 07/28/11 17:55			
Fluorobenzene	862675	7.974	871816	7.972	99	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	394183	11.075	358565	11.074	110	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	372640	13.467	354075	13.466	105	50 - 200	0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21102	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1G21102-CCV1)			Lab File ID: 0728CCVE.D			Analyzed: 07/28/11 20:35			
Fluorobenzene	873373	7.971	704952	7.974	124	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	355843	11.082	316180	11.085	113	50 - 200	-0.0030	+/-0.50	
1,4-Dichlorobenzene-d4	339778	13.465	316197	13.477	107	50 - 200	-0.0120	+/-0.50	
LCS (1G28012-BS1)			Lab File ID: 0728LCSE.D			Analyzed: 07/28/11 21:01			
Fluorobenzene	836212	7.972	873373	7.971	96	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	368522	11.073	355843	11.082	104	50 - 200	-0.0090	+/-0.50	
1,4-Dichlorobenzene-d4	340889	13.465	339778	13.465	100	50 - 200	0.0000	+/-0.50	
Blank (1G28012-BLK1)			Lab File ID: 0728BLKE.D			Analyzed: 07/28/11 22:20			
Fluorobenzene	837455	7.967	873373	7.971	96	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	396426	11.078	355843	11.082	111	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	370500	13.461	339778	13.465	109	50 - 200	-0.0040	+/-0.50	
GW8080-TB (1107224-07)			Lab File ID: 0722407.D			Analyzed: 07/28/11 23:40			
Fluorobenzene	839774	7.971	873373	7.971	96	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	383716	11.073	355843	11.082	108	50 - 200	-0.0090	+/-0.50	
1,4-Dichlorobenzene-d4	365005	13.465	339778	13.465	107	50 - 200	0.0000	+/-0.50	
GW0239 (1107224-05)			Lab File ID: 0722405.D			Analyzed: 07/29/11 01:26			
Fluorobenzene	832144	7.976	873373	7.971	95	50 - 200	0.0050	+/-0.50	
Chlorobenzene-d5	385606	11.077	355843	11.082	108	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	361146	13.47	339778	13.465	106	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21201	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1G21201-CCV1)			Lab File ID: 0730CCV1.D			Analyzed: 07/30/11 09:05			
Fluorobenzene	837996	7.97	704952	7.974	119	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	340944	11.072	316180	11.085	108	50 - 200	-0.0130	+/-0.50	
1,4-Dichlorobenzene-d4	330147	13.464	316197	13.477	104	50 - 200	-0.0130	+/-0.50	
LCS (1G30001-BS1)			Lab File ID: 0730LCS1.D			Analyzed: 07/30/11 09:40			
Fluorobenzene	784599	7.962	837996	7.97	94	50 - 200	-0.0080	+/-0.50	
Chlorobenzene-d5	352665	11.073	340944	11.072	103	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	338145	13.465	330147	13.464	102	50 - 200	0.0010	+/-0.50	
Blank (1G30001-BLK1)			Lab File ID: 0730BLK1.D			Analyzed: 07/30/11 10:58			
Fluorobenzene	812242	7.98	837996	7.97	97	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	377729	11.092	340944	11.072	111	50 - 200	0.0200	+/-0.50	
1,4-Dichlorobenzene-d4	356814	13.474	330147	13.464	108	50 - 200	0.0100	+/-0.50	
GW8081-TB (1107237-09)			Lab File ID: 0723709.D			Analyzed: 07/30/11 11:25			
Fluorobenzene	794769	7.967	837996	7.97	95	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	372278	11.068	340944	11.072	109	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	355814	13.46	330147	13.464	108	50 - 200	-0.0040	+/-0.50	
GW0170 (1107237-01)			Lab File ID: 0723701.D			Analyzed: 07/30/11 14:32			
Fluorobenzene	808972	7.966	837996	7.97	97	50 - 200	-0.0040	+/-0.50	
Chlorobenzene-d5	371834	11.078	340944	11.072	109	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	353308	13.46	330147	13.464	107	50 - 200	-0.0040	+/-0.50	
GW0171 (1107237-03)			Lab File ID: 0723703.D			Analyzed: 07/30/11 14:59			
Fluorobenzene	809656	7.965	837996	7.97	97	50 - 200	-0.0050	+/-0.50	
Chlorobenzene-d5	379274	11.077	340944	11.072	111	50 - 200	0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	358411	13.469	330147	13.464	109	50 - 200	0.0050	+/-0.50	
GW0237 (1107237-05)			Lab File ID: 0723705.D			Analyzed: 07/30/11 15:26			
Fluorobenzene	827754	7.967	837996	7.97	99	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	378440	11.078	340944	11.072	111	50 - 200	0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	360612	13.461	330147	13.464	109	50 - 200	-0.0030	+/-0.50	
GW0238 (1107237-07)			Lab File ID: 0723707.D			Analyzed: 07/30/11 15:53			
Fluorobenzene	823879	7.967	837996	7.97	98	50 - 200	-0.0030	+/-0.50	
Chlorobenzene-d5	382816	11.079	340944	11.072	112	50 - 200	0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	364494	13.471	330147	13.464	110	50 - 200	0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21501	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21501-CCV1)			Lab File ID: 0730CCV2.D			Analyzed: 07/30/11 20:46			
Fluorobenzene	872936	7.967	704952	7.974	124	50 - 200	-0.0070	+/-0.50	
Chlorobenzene-d5	357452	11.078	316180	11.085	113	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	338063	13.471	316197	13.477	107	50 - 200	-0.0060	+/-0.50	
LCS (1G30002-BS1)			Lab File ID: 0730LCS2.D			Analyzed: 07/30/11 21:13			
Fluorobenzene	828448	7.971	872936	7.967	95	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	359839	11.072	357452	11.078	101	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	330799	13.465	338063	13.471	98	50 - 200	-0.0060	+/-0.50	
Blank (1G30002-BLK1)			Lab File ID: 0730BLK2.D			Analyzed: 07/30/11 22:31			
Fluorobenzene	850973	7.971	872936	7.967	97	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	389160	11.072	357452	11.078	109	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	366090	13.465	338063	13.471	108	50 - 200	-0.0060	+/-0.50	
GW0145 (1107251-01)			Lab File ID: 0725101.D			Analyzed: 07/31/11 04:18			
Fluorobenzene	820305	7.967	872936	7.967	94	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	381010	11.078	357452	11.078	107	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	361996	13.461	338063	13.471	107	50 - 200	-0.0100	+/-0.50	
Matrix Spike (1G30002-MS3)			Lab File ID: 0725101M.D			Analyzed: 07/31/11 07:25			
Fluorobenzene	823612	7.971	872936	7.967	94	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	354888	11.072	357452	11.078	99	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	332215	13.465	338063	13.471	98	50 - 200	-0.0060	+/-0.50	
Matrix Spike Dup (1G30002-MSD3)			Lab File ID: 0725101S.D			Analyzed: 07/31/11 07:52			
Fluorobenzene	827583	7.97	872936	7.967	95	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	366174	11.072	357452	11.078	102	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	335534	13.464	338063	13.471	99	50 - 200	-0.0070	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21502	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21502-CCV1)			Lab File ID: 0731CCV1.D			Analyzed: 07/31/11 09:18			
Fluorobenzene	873862	7.965	704952	7.974	124	50 - 200	-0.0090	+/-0.50	
Chlorobenzene-d5	350348	11.077	316180	11.085	111	50 - 200	-0.0080	+/-0.50	
1,4-Dichlorobenzene-d4	335763	13.469	316197	13.477	106	50 - 200	-0.0080	+/-0.50	
LCS (1G31001-BS1)			Lab File ID: 0731LCS1.D			Analyzed: 07/31/11 09:53			
Fluorobenzene	833396	7.966	873862	7.965	95	50 - 200	0.0010	+/-0.50	
Chlorobenzene-d5	363020	11.078	350348	11.077	104	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	333785	13.47	335763	13.469	99	50 - 200	0.0010	+/-0.50	
Blank (1G31001-BLK1)			Lab File ID: 0731BLK1.D			Analyzed: 07/31/11 11:12			
Fluorobenzene	856897	7.972	873862	7.965	98	50 - 200	0.0070	+/-0.50	
Chlorobenzene-d5	395055	11.073	350348	11.077	113	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	364178	13.465	335763	13.469	108	50 - 200	-0.0040	+/-0.50	
GW8082-TB (1107251-03RE1)			Lab File ID: 0725103R.D			Analyzed: 07/31/11 12:05			
Fluorobenzene	840076	7.972	873862	7.965	96	50 - 200	0.0070	+/-0.50	
Chlorobenzene-d5	384402	11.073	350348	11.077	110	50 - 200	-0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	364220	13.465	335763	13.469	108	50 - 200	-0.0040	+/-0.50	
LCS Dup (1G31001-BSD1)			Lab File ID: 0731LCD1.D			Analyzed: 07/31/11 15:13			
Fluorobenzene	840528	7.967	873862	7.965	96	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	361048	11.078	350348	11.077	103	50 - 200	0.0010	+/-0.50	
1,4-Dichlorobenzene-d4	333332	13.471	335763	13.469	99	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21601	Instrument:	MS-VOA6
		Calibration:	1197002

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21601-CCV1)			Lab File ID: 0803CCV1.D			Analyzed: 08/03/11 07:52			
Fluorobenzene	798297	7.978	704952	7.974	113	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	319619	11.089	316180	11.085	101	50 - 200	0.0040	+/-0.50	
1,4-Dichlorobenzene-d4	320813	13.471	316197	13.477	101	50 - 200	-0.0060	+/-0.50	
LCS (1H03003-BS1)			Lab File ID: 0803LCS1.D			Analyzed: 08/03/11 08:26			
Fluorobenzene	774799	7.976	798297	7.978	97	50 - 200	-0.0020	+/-0.50	
Chlorobenzene-d5	340523	11.087	319619	11.089	107	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	325318	13.48	320813	13.471	101	50 - 200	0.0090	+/-0.50	
Blank (1H03003-BLK1)			Lab File ID: 0803BLK1.D			Analyzed: 08/03/11 09:45			
Fluorobenzene	798820	7.982	798297	7.978	100	50 - 200	0.0040	+/-0.50	
Chlorobenzene-d5	368548	11.083	319619	11.089	115	50 - 200	-0.0060	+/-0.50	
1,4-Dichlorobenzene-d4	357286	13.475	320813	13.471	111	50 - 200	0.0040	+/-0.50	
GW8083-TB (1108004-09)			Lab File ID: 0800109.D			Analyzed: 08/03/11 10:11			
Fluorobenzene	800398	7.981	798297	7.978	100	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	366235	11.082	319619	11.089	115	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	350668	13.475	320813	13.471	109	50 - 200	0.0040	+/-0.50	
GW0143 (1108004-01)			Lab File ID: 0800401.D			Analyzed: 08/03/11 13:19			
Fluorobenzene	774080	7.98	798297	7.978	97	50 - 200	0.0020	+/-0.50	
Chlorobenzene-d5	352635	11.082	319619	11.089	110	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	338447	13.474	320813	13.471	105	50 - 200	0.0030	+/-0.50	
GW0150 (1108004-03)			Lab File ID: 0800403.D			Analyzed: 08/03/11 13:46			
Fluorobenzene	791571	7.981	798297	7.978	99	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	361636	11.082	319619	11.089	113	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	345742	13.475	320813	13.471	108	50 - 200	0.0040	+/-0.50	
GW0233 (1108004-05)			Lab File ID: 0800405.D			Analyzed: 08/03/11 14:13			
Fluorobenzene	788657	7.981	798297	7.978	99	50 - 200	0.0030	+/-0.50	
Chlorobenzene-d5	363850	11.082	319619	11.089	114	50 - 200	-0.0070	+/-0.50	
1,4-Dichlorobenzene-d4	346645	13.474	320813	13.471	108	50 - 200	0.0030	+/-0.50	
GW0241 (1108004-07)			Lab File ID: 0800407.D			Analyzed: 08/03/11 14:39			
Fluorobenzene	791506	7.986	798297	7.978	99	50 - 200	0.0080	+/-0.50	
Chlorobenzene-d5	358757	11.087	319619	11.089	112	50 - 200	-0.0020	+/-0.50	
1,4-Dichlorobenzene-d4	350063	13.48	320813	13.471	109	50 - 200	0.0090	+/-0.50	
LCS Dup (1H03003-BSD1)			Lab File ID: 0803LCD1.D			Analyzed: 08/03/11 19:07			
Fluorobenzene	805158	7.983	798297	7.978	101	50 - 200	0.0050	+/-0.50	
Chlorobenzene-d5	343471	11.084	319619	11.089	107	50 - 200	-0.0050	+/-0.50	
1,4-Dichlorobenzene-d4	322672	13.477	320813	13.471	101	50 - 200	0.0060	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone												
Acrolein	2.505		5.01	3.516299E-02	10.02	3.315021E-02	25.05	3.111651E-02	50.1	2.395619E-02	250.5	2.745265E-02
Acrylonitrile	2.499	4.485666E-02	4.998	6.503729E-02	9.996	0.0625373	24.99	6.171737E-02	49.98	4.586526E-02	249.9	5.733643E-02
Benzene	0.5	0.7683106	1	0.9987422	2	0.9974636	5	1.025251	10	0.761768	50	0.9181442
Bromobenzene	0.5	0.519666	1	0.677829	2	0.7071289	5	0.6990209	10	0.5322124	50	0.6723208
Bromochloromethane	0.5	0.1109034	1	0.1414823	2	0.1490181	5	0.1540066	10	0.1166911	50	0.1395279
Tert-Amyl Methyl Ether	0.5	0.6170864	1	0.8172161	2	0.8427215	5	0.8141377	10	0.6162281	50	0.7622576
Bromodichloromethane	0.5	0.2645143	1	0.3559498	2	0.3735889	5	0.3964907	10	0.3065721	50	0.4006022
Bromoform	0.5	0.3017993	1	0.3261066	2	0.3727241	5	0.3968558	10	0.3252551	50	0.5093746
Bromomethane	0.5	0.1052772	1	0.1176477	2	0.1341701	5	0.1337246	10	0.1195898	50	0.15519
Bromofluorobenzene												
n-Butylbenzene	0.5	1.267571	1	1.610473	2	1.744405	5	1.733934	10	1.332017	50	1.706929
2-Butanone												
sec-Butylbenzene	0.5	1.52232	1	1.937164	2	2.063283	5	2.117038	10	1.588257	50	2.040503
tert-Butylbenzene	0.5	1.354545	1	1.651859	2	1.733921	5	1.799536	10	1.381512	50	1.696546
Carbon disulfide	0.5	~~0.3407231~~	1	0.4759941	2	0.4640326	5	0.5067477	10	0.3880703	50	0.4981
Carbon tetrachloride	0.5	0.3004876	1	0.4038368	2	0.3954736	5	0.4271951	10	0.3173527	50	0.4233337
Chlorobenzene	0.5	1.069022	1	1.333761	2	1.381095	5	1.428576	10	1.056455	50	1.33295
Chloroethane	0.5	8.575618E-02	1	0.1263624	2	0.1151044	5	0.1279508	10	9.351055E-02	50	0.1178102
Chloroform	0.5	0.4994488	1	0.5735545	2	0.5587372	5	0.5624692	10	0.4217041	50	0.5108743
2-Chloroethyl vinyl ether	0.9975	8.302279E-02	1.995	0.1062357	3.99	0.1182728	9.975	0.1169855	19.95	9.125136E-02	99.75	0.1165558
Chloromethane	0.5	0.2534325	1	0.2578664	2	0.2312847	5	0.209529	10	0.1748364	50	0.2078432
1-Chlorohexane	0.4992	0.758759	0.9985	0.7870677	1.997	0.7204925	4.992	0.7023603	9.985	0.5071741	49.92	0.6403381
2-Chlorotoluene	0.5	1.391223	1	1.731243	2	1.814518	5	1.825186	10	1.394382	50	1.763758
4-Chlorotoluene	0.5	1.661769	1	2.026895	2	2.076631	5	2.122455	10	1.615076	50	2.070226
Cyclohexane	0.5	0.2845468	1	0.3755577	2	0.3621409	5	0.3783555	10	0.2786667	50	0.3363242
Dibromochloromethane	0.5	0.4166766	1	0.5032854	2	0.5206825	5	0.5878284	10	0.4560851	50	0.6603552
1,2-Dibromo-3-chloropropane	0.5	7.081403E-02	1	9.339262E-02	2	0.1053996	5	0.1203486	10	9.471553E-02	50	0.1401726
1,2-Dibromoethane (EDB)	0.5	0.4026978	1	0.4846018	2	0.5443396	5	0.5210569	10	0.4050521	50	0.5260555
Dibromomethane	0.5	0.1501159	1	0.1917658	2	0.1931318	5	0.2015911	10	0.1523579	50	0.1779598
1,2-Dichlorobenzene	0.5	0.8626601	1	1.113478	2	1.130067	5	1.198253	10	0.8835991	50	1.118052

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 1197002
Instrument: MS-VOA6
Matrix: Water
Calibration Dates: 7/15/11 7:34 7/15/11 16:30

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	0.8662916	1	1.106062	2	1.207384	5	1.181337	10	0.9147585	50	1.14393
1,4-Dichlorobenzene	0.5	0.9036959	1	1.198447	2	1.230894	5	1.229874	10	0.9654535	50	1.187079
Dichlorodifluoromethane	0.5	0.2316951	1	0.3165596	2	0.3185437	5	0.3304334	10	0.2601937	50	0.3270458
1,1-Dichloroethane	0.5	0.3453263	1	0.4565604	2	0.478063	5	0.4714727	10	0.3541479	50	0.4447682
1,2-Dichloroethane	0.5	0.3325396	1	0.4579547	2	0.4493783	5	0.4631193	10	0.3489794	50	0.4401853
1,1-Dichloroethene	0.5	0.1209622	1	0.1599138	2	0.1560763	5	0.1617974	10	0.1193701	50	0.1529015
cis-1,2-Dichloroethene	0.5	0.1958923	1	0.269239	2	0.2793793	5	0.2741147	10	0.2181138	50	0.2591849
trans-1,2-Dichloroethene	0.5	0.2022005	1	0.2335961	2	0.2485213	5	0.2556938	10	0.1986028	50	0.2304381
1,2-Dichloroethene (total)	1	0.1990464	2	0.2514176	4	0.2639503	10	0.2649042	20	0.2083583	100	0.2448115
1,2-Dichloropropane	0.5	0.1813155	1	0.2283238	2	0.2412479	5	0.2498507	10	0.1871417	50	0.2197187
1,3-Dichloropropane	0.5	0.7070061	1	0.8912196	2	0.8596041	5	0.9144662	10	0.6743494	50	0.8618805
2,2-Dichloropropane	0.5	0.3550442	1	0.4445777	2	0.4690466	5	0.4860934	10	0.3593422	50	0.4465681
1,1-Dichloropropene	0.5	0.2875304	1	0.3722462	2	0.3943331	5	0.406359	10	0.2988883	50	0.3644921
cis-1,3-Dichloropropene	0.5	0.3231627	1	0.4214839	2	0.4368974	5	0.4499442	10	0.3442891	50	0.4347821
trans-1,3-Dichloropropene	0.5	0.5919496	1	0.7907611	2	0.8212229	5	0.8808719	10	0.647334	50	0.8842922
1,3-Dichloropropene (total)	1	0.302363	2	0.4016145	4	0.4152817	10	0.4351546	20	0.328396	100	0.4188253
Diisopropyl Ether	0.5	0.7931168	1	0.94689	2	1.023179	5	1.025346	10	0.7709506	50	0.9310327
Ethylbenzene	0.5	2.00865	1	2.456856	2	2.540162	5	2.611434	10	1.929422	50	2.480338
Ethyl tert-Butyl Ether	0.5	0.6505024	1	0.8610943	2	0.8714922	5	0.8862198	10	0.6700664	50	0.8184773
Ethyl Methacrylate	0.5	0.570623	1	0.7026681	2	0.7121844	5	0.731076	10	0.5524412	50	0.71859
Hexachlorobutadiene	0.5	0.2776273	1	0.3979258	2	0.3771662	5	0.3972924	10	0.3167215	50	0.3938953
2-Hexanone												
Iodomethane	0.5	0.144916	1	0.2107638	2	0.2513188	5	0.2917824	10	0.2176615	50	0.3285924
Isopropylbenzene	0.5	1.333007	1	1.795256	2	1.854912	5	1.959573	10	1.426988	50	1.841155
p-Isopropyltoluene	0.5	1.36199	1	1.659733	2	1.722328	5	1.789824	10	1.35548	50	1.725002
Methylene chloride	0.5	0.181486	1	0.2110688	2	0.2023849	5	0.1913245	10	0.1451953	50	0.1807224
Methyl Acetate	0.5		1	0.1953824	2	0.1805432	5	0.1654245	10	0.1237676	50	0.1636201
Methylcyclohexane	0.5	0.245931	1	0.327845	2	0.3356081	5	0.3383454	10	0.2579799	50	0.3078417
Naphthalene	0.5	1.097617	1	1.322421	2	1.42077	5	1.422771	10	1.112214	50	1.42546
Methyl Methacrylate	0.5	0.2365541	1	0.3014832	2	0.2888046	5	0.2923365	10	0.222774	50	0.287641
4-Methyl-2-pentanone												

INITIAL CALIBRATION DATA

SW8260B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Calibration: 1197002

Instrument: MS-VOA6

Matrix: Water

Calibration Dates: 7/15/11 7:34 7/15/11 16:30

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl t-Butyl Ether	0.5	0.6015719	1	0.8119001	2	0.805042	5	0.8238242	10	0.6437373	50	0.7714644
n-Propylbenzene	0.5	2.139128	1	2.74675	2	2.780019	5	2.724383	10	2.161481	50	2.720706
Styrene	0.5	1.090349	1	1.356055	2	1.412922	5	1.443668	10	1.090117	50	1.36856
1,1,2,2-Tetrachloroethane	0.5	0.4483073	1	0.5960647	2	0.6241301	5	0.6393902	10	0.5067431	50	0.6174854
1,1,1,2-Tetrachloroethane	0.5	0.3793997	1	0.522962	2	0.5434418	5	0.5678387	10	0.4240022	50	0.5812154
tert-Butyl alcohol	2.5	1.266736E-02	5	1.837919E-02	10	2.036114E-02	25	2.096588E-02	50	1.673637E-02	250	2.001506E-02
Tetrachloroethene	0.5	0.4408707	1	0.5948985	2	0.6114506	5	0.6158902	10	0.4529357	50	0.5767592
Toluene	0.5	0.9869411	1	1.242599	2	1.255671	5	1.265266	10	0.936527	50	1.173286
1,2,3-Trichlorobenzene	0.5	0.5133109	1	0.6254559	2	0.6456535	5	0.6725225	10	0.5176826	50	0.6519836
1,2,4-Trichlorobenzene	0.5	0.5182134	1	0.6776459	2	0.7298531	5	0.7360966	10	0.5596597	50	0.7127559
1,1,2-Trichloroethane	0.5	0.2953476	1	0.4290021	2	0.3996133	5	0.426006	10	0.3287257	50	0.4128593
1,1,1-Trichloroethane	0.5	0.3490771	1	0.4400461	2	0.4520897	5	0.4849421	10	0.3655788	50	0.4560793
Tetrahydrofuran	0.5		1	9.202668E-02	2	7.800586E-02	5	0.0783667	10	5.803762E-02	50	6.937001E-02
Trichloroethene	0.5	0.2068889	1	0.2740757	2	0.2883957	5	0.287082	10	0.2157535	50	0.2605125
Trichlorofluoromethane	0.5	0.3048351	1	0.4015274	2	0.437005	5	0.4623661	10	0.3528127	50	0.451817
1,2,3-Trichloropropane	0.5	0.1365624	1	0.1726659	2	0.188629	5	0.1938205	10	0.1430798	50	0.18817
1,3,5-Trimethylbenzene	0.5	1.336751	1	1.765212	2	1.903197	5	1.885923	10	1.434485	50	1.845239
1,2,4-Trimethylbenzene	0.5	1.361445	1	1.798266	2	1.839828	5	1.881224	10	1.445443	50	1.855942
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1317031	1	0.1667112	2	0.1866976	5	0.1969772	10	0.1511261	50	0.1869901
Vinyl chloride	0.5	0.1115853	1	0.1670598	2	0.1591965	5	0.1544481	10	0.1406685	50	0.1618295
m,p-Xylene	1	1.520914	2	1.966884	4	1.987024	10	2.000015	20	1.508516	100	1.924958
o-Xylene	0.5	1.701833	1	2.041754	2	2.057277	5	2.087892	10	1.573271	50	2.035728
Vinyl acetate	1.001	0.5386342	2.002	0.7003495	4.004	0.6894311	10.01	0.6801095	20.02	0.5344884	100.1	0.6589896
Xylenes (total)	1.5	1.581221	3	1.991841	6	2.010441	15	2.029307	30	1.530101	150	1.961881
Dibromofluoromethane												
1,2-Dichloroethane-d4												
Toluene-d8												
tert-Amyl alcohol	2.5		5	1.654912E-02	10	1.567864E-02	25	1.677963E-02	50	0.0134742	250	1.603323E-02
tert-Amyl ethyl ether	0.5	0.5125764	1	0.6541214	2	0.6591442	5	0.6731157	10	0.5291911	50	0.6343614

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone							1	~~0.1422652~~	2	0.1111714	4	0.0884889
Acrolein	501	2.875959E-02	751.5	2.860378E-02	1002	2.889018E-02						
Acrylonitrile	499.8	6.085155E-02	749.6	0.0584169	999.5	5.785787E-02						
Benzene	100	0.9387375	150	0.8947021	200	0.8354405						
Bromobenzene	100	0.6840397	150	0.6819258	200	0.6739128						
Bromochloromethane	100	0.142322	150	0.1355677	200	0.1308451						
Tert-Amyl Methyl Ether	100	0.807375	150	0.7691344	200	0.7414049						
Bromodichloromethane	100	0.4204359	150	0.4115817	200	0.3947849						
Bromoform	100	0.5705598	150	0.6029215	200	0.6064382						
Bromomethane	100	0.1705069	150	0.1768687	200	0.1764894						
Bromofluorobenzene							30	0.8860509	35	0.8472739	40	0.8139772
n-Butylbenzene	100	1.768282	150	1.78069	200	1.756123						
2-Butanone							1	0.1417618	2	0.1391772	4	0.1303429
sec-Butylbenzene	100	2.082689	150	2.080056	200	2.073856						
tert-Butylbenzene	100	1.736447	150	1.704461	200	1.675738						
Carbon disulfide	100	0.558192	150	0.5400653	200	0.5489952						
Carbon tetrachloride	100	0.4502064	150	0.4452133	200	0.4338564						
Chlorobenzene	100	1.378625	150	1.372738	200	1.335604						
Chloroethane	100	0.1218032	150	0.1200577	200	0.1192623						
Chloroform	100	0.5299195	150	0.523271	200	0.4976453						
2-Chloroethyl vinyl ether	199.5	0.1191496	299.2	0.1153465	399	0.108379						
Chloromethane	100	0.2159079	150	0.2056193	200	0.2083125						
1-Chlorohexane	99.85	0.6614201	149.8	0.672575	199.7	0.6651357						
2-Chlorotoluene	100	1.786765	150	1.806771	200	1.808341						
4-Chlorotoluene	100	2.123714	150	2.11129	200	2.10736						
Cyclohexane	100	0.3451303	150	0.3340647	200	0.3239821						
Dibromochloromethane	100	0.7189677	150	0.7608246	200	0.7574869						
1,2-Dibromo-3-chloropropane	100	0.1541997	150	0.1606072	200	0.1663282						
1,2-Dibromoethane (EDB)	100	0.5501278	150	0.5731653	200	0.57001						
Dibromomethane	100	0.1914973	150	0.1860576	200	0.1767915						
1,2-Dichlorobenzene	100	1.138972	150	1.133297	200	1.129082						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.170233	150	1.167258	200	1.155144						
1,4-Dichlorobenzene	100	1.202532	150	1.215574	200	1.184769						
Dichlorodifluoromethane	100	0.3445984	150	0.3202853	200	0.3121971						
1,1-Dichloroethane	100	0.4534819	150	0.4505517	200	0.4327821						
1,2-Dichloroethane	100	0.4547901	150	0.4559227	200	0.4347996						
1,1-Dichloroethene	100	0.1604101	150	0.1577358	200	0.1539291						
cis-1,2-Dichloroethene	100	0.2612271	150	0.2554939	200	0.2408425						
trans-1,2-Dichloroethene	100	0.2309383	150	0.2151291	200	0.2010758						
1,2-Dichloroethene (total)	200	0.2460827	300	0.2353115	400	0.2209591						
1,2-Dichloropropane	100	0.2217015	150	0.2136481	200	0.204283						
1,3-Dichloropropane	100	0.8948023	150	0.9385254	200	0.9100537						
2,2-Dichloropropane	100	0.4688787	150	0.4612482	200	0.4372489						
1,1-Dichloropropene	100	0.3717713	150	0.3618101	200	0.3404212						
cis-1,3-Dichloropropene	100	0.4484216	150	0.4356115	200	0.4122287						
trans-1,3-Dichloropropene	100	0.8983652	150	0.9340636	200	0.9066197						
1,3-Dichloropropene (total)	200	0.4256749	300	0.4129476	400	0.3898808						
Diisopropyl Ether	100	0.9456052	150	0.9373985	200	0.887402						
Ethylbenzene	100	2.566703	150	2.611992	200	2.572266						
Ethyl tert-Butyl Ether	100	0.8462683	150	0.8254319	200	0.7801435						
Ethyl Methacrylate	100	0.7455253	150	0.762591	200	0.7519589						
Hexachlorobutadiene	100	0.4191425	150	0.4287574	200	0.4374045						
2-Hexanone							1	0.3923413	2	0.4040389	4	0.39792
Iodomethane	100	0.3532704	150	0.351973	200	0.3491904						
Isopropylbenzene	100	1.928477	150	1.995785	200	1.956553						
p-Isopropyltoluene	100	1.786147	150	1.771334	200	1.750816						
Methylene chloride	100	0.1905062	150	0.188901	200	0.1832898						
Methyl Acetate	100	0.1714857	150	0.1636535	200	0.1614476						
Methylcyclohexane	100	0.31874	150	0.3041178	200	0.2945161						
Naphthalene	100	1.462316	150	1.538521	200	1.5239						
Methyl Methacrylate	100	0.2773419	150	0.2664474	200	0.261145						
4-Methyl-2-pentanone							1	0.2379617	2	0.2768849	4	0.2691591

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Methyl t-Butyl Ether	100	0.7962738	150	0.7671117	200	0.7298215						
n-Propylbenzene	100	2.728506	150	2.786386	200	2.751407						
Styrene	100	1.410488	150	1.399224	200	1.355911						
1,1,2,2-Tetrachloroethane	100	0.6402708	150	0.6365311	200	0.6458531						
1,1,1,2-Tetrachloroethane	100	0.621416	150	0.6488474	200	0.6379132						
tert-Butyl alcohol	500	0.0211634	750	2.112146E-02	1000	1.983433E-02						
Tetrachloroethene	100	0.6085309	150	0.6234801	200	0.6124905						
Toluene	100	1.140879	150	1.135754	200	1.080437						
1,2,3-Trichlorobenzene	100	0.6895976	150	0.6890969	200	0.7011616						
1,2,4-Trichlorobenzene	100	0.7424444	150	0.7649668	200	0.7577524						
1,1,2-Trichloroethane	100	0.4233029	150	0.4270949	200	0.4154407						
1,1,1-Trichloroethane	100	0.4797127	150	0.4841176	200	0.4624364						
Tetrahydrofuran	100	7.151423E-02	150	6.914114E-02	200	6.885468E-02						
Trichloroethene	100	0.2681625	150	0.2599899	200	0.2459284						
Trichlorofluoromethane	100	0.4865948	150	0.4744342	200	0.4668765						
1,2,3-Trichloropropane	100	0.2033297	150	0.2102536	200	0.2103444						
1,3,5-Trimethylbenzene	100	1.844314	150	1.855347	200	1.828179						
1,2,4-Trimethylbenzene	100	1.855828	150	1.852041	200	1.81729						
1,1,2-Trichloro-1,2,2-trifluoroethar	100	0.194898	150	0.1944044	200	0.1905808						
Vinyl chloride	100	0.1661011	150	0.1686097	200	0.1683015						
m,p-Xylene	200	1.948491	300	1.968469	400	1.93279						
o-Xylene	100	2.11791	150	2.133842	200	2.121112						
Vinyl acetate	200.2	0.6793382	300.4	0.6653102	400.5	0.6416976						
Xylenes (total)	300	2.004964	450	2.023593	600	1.995564						
Dibromofluoromethane							30	0.3310138	35	0.3268755	40	0.3157705
1,2-Dichloroethane-d4							30	6.422561E-02	35	6.321739E-02	40	5.987621E-02
Toluene-d8							30	2.018665	35	1.966078	40	1.863661
tert-Amyl alcohol	500	1.760631E-02	750	0.0168663	1000	1.687939E-02						
tert-Amyl ethyl ether	100	0.6498055	150	0.6312472	200	0.6001792						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_021	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1197002		Instrument:	MS-VOA6	
Matrix:	Water		Calibration Dates:	7/15/11 7:34	7/15/11 16:30

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1197002	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	7/15/11 7:34 7/15/11 16:30

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1197002	Instrument:	MS-VOA6		
Matrix:	Water	Calibration Dates:	7/15/11 7:34	7/15/11 16:30	

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0715ICV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1G19702	Injection Date:	07/15/11
Lab Sample ID:	1G19702-ICV2	Injection Time:	12:29

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0715ICV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1G19702	Injection Date:	07/15/11
Lab Sample ID:	1G19702-ICV2	Injection Time:	12:29

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0715ICV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1G19702	Injection Date:	07/15/11
Lab Sample ID:	1G19702-ICV2	Injection Time:	12:29

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

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0715ICV3.D	Calibration Date:	07/15/11 07:34
Sequence:	1G19702	Injection Date:	07/15/11
Lab Sample ID:	1G19702-ICV3	Injection Time:	16:57

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	100.0	97.68	8.655942E-02	8.455462E-02		-2.3	20
2-Butanone	A	100.0	98.59	0.130893	0.1290504		-1.4	20
2-Hexanone	A	100.0	99.43	0.3835157	0.3813258		-0.6	20
4-Methyl-2-pentanone	A	100.0	99.61	0.2576867	0.2566723		-0.4	20
Bromofluorobenzene	A	30.00	31.52	0.8344153	0.8768167		5.1	20
Dibromofluoromethane	A	30.00	31.08	0.3254106	0.3371173		3.6	20
1,2-Dichloroethane-d4	A	30.00	30.35	6.267093E-02	6.340863E-02		1.2	20
Toluene-d8	A	30.00	31.38	1.912359	2.000274		4.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0728CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1G21039	Injection Date:	07/28/11
Lab Sample ID:	1G21039-CCV1	Injection Time:	08:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	202.0	8.655942E-02	0.0874368		1.0	20
Benzene	A	100.0	98.06	0.9042844	0.8867714		-1.9	20
Bromobenzene	A	100.0	100.3	0.649784	0.6519297		0.3	20
Bromochloromethane	A	100.0	96.38	0.135596	0.1306893		-3.6	20
Bromodichloromethane	A	100.0	102.2	0.3693912	0.3774944		2.2	20
Bromoform	L	100.0	88.97	0.4457817	0.5250889	0.1	-11.0	20
Bromomethane	L	100.0	85.81	0.1432738	0.1488527		-14.2	20
n-Butylbenzene	A	100.0	102.3	1.63338	1.670547		2.3	20
2-Butanone	A	200.0	214.9	0.130893	0.1406259		7.4	20
sec-Butylbenzene	A	100.0	100.6	1.945018	1.95671		0.6	20
tert-Butylbenzene	A	100.0	99.15	1.637174	1.623288		-0.8	20
Carbon disulfide	A	100.0	117.6	0.4975247	0.5852353		17.6	20
Carbon tetrachloride	A	100.0	98.52	0.3996617	0.3937698		-1.5	20
Chlorobenzene	A	100.0	102.4	1.298758	1.330069	0.3	2.4	20
Chloroethane	A	100.0	116.0	0.1141797	0.1324604		16.0	20
Chloroform	A	100.0	92.13	0.519736	0.4788487		-7.9	20
Chloromethane	A	100.0	99.36	0.2182924	0.2168918	0.1	-0.6	20
2-Chlorotoluene	A	100.0	102.0	1.702465	1.736234		2.0	20
4-Chlorotoluene	A	100.0	100.9	1.990602	2.008742		0.9	20
Dibromochloromethane	L	100.0	91.95	0.5980214	0.6836183		-8.0	20
1,2-Dibromo-3-chloropropane	L	100.0	89.45	0.1228865	0.1433722		-10.6	20
1,2-Dibromoethane (EDB)	A	100.0	104.3	0.5085674	0.5305967		4.3	20
Dibromomethane	A	100.0	96.84	0.180141	0.1744503		-3.2	20
1,2-Dichlorobenzene	A	100.0	101.0	1.078607	1.08907		1.0	20
1,3-Dichlorobenzene	A	100.0	100.7	1.101378	1.10916		0.7	20
1,4-Dichlorobenzene	A	100.0	100.9	1.14648	1.156852		0.9	20
Dichlorodifluoromethane	A	100.0	96.58	0.3068391	0.2963624		-3.4	20
1,1-Dichloroethane	A	100.0	99.56	0.431906	0.43002	0.1	-0.4	20
1,2-Dichloroethane	A	100.0	94.89	0.4264077	0.4046388		-5.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0728CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1G21039	Injection Date:	07/28/11
Lab Sample ID:	1G21039-CCV1	Injection Time:	08:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	105.4	0.1492329	0.1572555		5.4	20
cis-1,2-Dichloroethene	A	100.0	98.46	0.2503875	0.2465323		-1.5	20
trans-1,2-Dichloroethene	A	100.0	98.09	0.2240218	0.2197458		-1.9	20
1,2-Dichloropropane	A	100.0	98.94	0.216359	0.2140659		-1.1	20
1,3-Dichloropropane	A	100.0	106.7	0.8502119	0.9070866		6.7	20
2,2-Dichloropropane	A	100.0	99.93	0.4364498	0.436163		-0.07	20
1,1-Dichloropropene	A	100.0	94.83	0.3553169	0.336945		-5.2	20
cis-1,3-Dichloropropene	A	100.0	101.7	0.411869	0.4190212		1.7	20
trans-1,3-Dichloropropene	A	100.0	109.6	0.8172756	0.896117		9.6	20
Ethylbenzene	A	100.0	103.1	2.419758	2.494089		3.1	20
Hexachlorobutadiene	A	100.0	100.8	0.3828814	0.3859572		0.8	20
2-Hexanone	A	200.0	237.7	0.3835157	0.4558977		18.9	20
Isopropylbenzene	A	100.0	101.8	1.787967	1.820398		1.8	20
p-Isopropyltoluene	A	100.0	101.3	1.658073	1.679306		1.3	20
Methylene chloride	A	100.0	101.4	0.1860977	0.1886624		1.4	20
Naphthalene	A	100.0	97.76	1.369554	1.338941		-2.2	20
4-Methyl-2-pentanone	A	200.0	202.9	0.2576867	0.2614632		1.5	20
Methyl t-Butyl Ether	A	100.0	97.97	0.750083	0.7348547		-2.0	20
n-Propylbenzene	A	100.0	103.1	2.615418	2.69709		3.1	20
Styrene	A	100.0	102.2	1.325255	1.354281		2.2	20
1,1,2,2-Tetrachloroethane	A	100.0	102.6	0.5949751	0.6102419	0.3	2.6	20
1,1,1,2-Tetrachloroethane	L	100.0	94.83	0.5474485	0.6007446		-5.2	20
Tetrachloroethene	A	100.0	103.4	0.5708118	0.5903105		3.4	20
Toluene	A	100.0	102.0	1.135262	1.158149		2.0	20
1,2,3-Trichlorobenzene	A	100.0	97.65	0.6340517	0.6191705		-2.3	20
1,2,4-Trichlorobenzene	A	100.0	98.90	0.6888209	0.6812277		-1.1	20
1,1,2-Trichloroethane	A	100.0	105.5	0.3952658	0.4170817		5.5	20
1,1,1-Trichloroethane	A	100.0	99.71	0.4415644	0.4402717		-0.3	20
Trichloroethene	A	100.0	95.56	0.2563099	0.2449232		-4.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0728CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1G21039	Injection Date:	07/28/11
Lab Sample ID:	1G21039-CCV1	Injection Time:	08:33

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	101.7	0.4264743	0.4339143		1.7	20
1,2,3-Trichloropropane	A	100.0	102.2	0.1829839	0.1869778		2.2	20
1,3,5-Trimethylbenzene	A	100.0	101.2	1.744294	1.766201		1.3	20
1,2,4-Trimethylbenzene	A	100.0	99.89	1.745256	1.743367		-0.1	20
Vinyl chloride	A	100.0	99.36	0.1553111	0.1543193		-0.6	20
m,p-Xylene	A	200.0	196.6	1.862007	1.830069		-1.7	20
o-Xylene	A	100.0	99.86	1.985624	1.982767		-0.1	20
Bromofluorobenzene	A	30.00	33.22	0.8344153	0.9239245		10.7	20
Dibromofluoromethane	A	30.00	29.53	0.3254106	0.3203256		-1.6	20
1,2-Dichloroethane-d4	A	30.00	30.13	6.267093E-02	6.294562E-02		0.4	20
Toluene-d8	A	30.00	34.48	1.912359	2.198081		14.9	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0728CCVE.D	Calibration Date:	07/15/11 07:34
Sequence:	1G21102	Injection Date:	07/28/11
Lab Sample ID:	1G21102-CCV1	Injection Time:	20:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	180.7	8.655942E-02	7.821126E-02		-9.6	20
Benzene	A	100.0	104.5	0.9042844	0.945237		4.5	20
Bromobenzene	A	100.0	105.9	0.649784	0.6880651		5.9	20
Bromochloromethane	A	100.0	98.66	0.135596	0.1337861		-1.3	20
Bromodichloromethane	A	100.0	104.3	0.3693912	0.3852677		4.3	20
Bromoform	L	100.0	91.84	0.4457817	0.5426047	0.1	-8.2	20
Bromomethane	L	100.0	47.32	0.1432738	8.055905E-02		-52.7	20 *
n-Butylbenzene	A	100.0	105.0	1.63338	1.715833		5.0	20
2-Butanone	A	200.0	205.6	0.130893	0.1345458		2.8	20
sec-Butylbenzene	A	100.0	107.9	1.945018	2.099046		7.9	20
tert-Butylbenzene	A	100.0	107.0	1.637174	1.751959		7.0	20
Carbon disulfide	A	100.0	107.4	0.4975247	0.5341841		7.4	20
Carbon tetrachloride	A	100.0	98.65	0.3996617	0.3942542		-1.4	20
Chlorobenzene	A	100.0	106.2	1.298758	1.378838	0.3	6.2	20
Chloroethane	A	100.0	125.3	0.1141797	0.1430684		25.3	20 *
Chloroform	A	100.0	93.33	0.519736	0.4850683		-6.7	20
Chloromethane	A	100.0	81.33	0.2182924	0.1775393	0.1	-18.7	20
2-Chlorotoluene	A	100.0	106.9	1.702465	1.820505		6.9	20
4-Chlorotoluene	A	100.0	106.8	1.990602	2.126528		6.8	20
Dibromochloromethane	L	100.0	95.92	0.5980214	0.7138682		-4.1	20
1,2-Dibromo-3-chloropropane	L	100.0	95.71	0.1228865	0.1537198		-4.3	20
1,2-Dibromoethane (EDB)	A	100.0	111.3	0.5085674	0.5659653		11.3	20
Dibromomethane	A	100.0	99.83	0.180141	0.1798417		-0.2	20
1,2-Dichlorobenzene	A	100.0	105.3	1.078607	1.135397		5.3	20
1,3-Dichlorobenzene	A	100.0	106.3	1.101378	1.170498		6.3	20
1,4-Dichlorobenzene	A	100.0	105.6	1.14648	1.211175		5.6	20
Dichlorodifluoromethane	A	100.0	96.01	0.3068391	0.2945862		-4.0	20
1,1-Dichloroethane	A	100.0	104.1	0.431906	0.4498288	0.1	4.1	20
1,2-Dichloroethane	A	100.0	98.04	0.4264077	0.4180705		-2.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0728CCVE.D	Calibration Date:	07/15/11 07:34
Sequence:	1G21102	Injection Date:	07/28/11
Lab Sample ID:	1G21102-CCV1	Injection Time:	20:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	111.3	0.1492329	0.1661369		11.3	20
cis-1,2-Dichloroethene	A	100.0	103.6	0.2503875	0.2594565		3.6	20
trans-1,2-Dichloroethene	A	100.0	100.8	0.2240218	0.2257022		0.8	20
1,2-Dichloropropane	A	100.0	105.7	0.216359	0.2287583		5.7	20
1,3-Dichloropropane	A	100.0	111.6	0.8502119	0.9491745		11.6	20
2,2-Dichloropropane	A	100.0	87.19	0.4364498	0.380557		-12.8	20
1,1-Dichloropropene	A	100.0	99.50	0.3553169	0.3535469		-0.5	20
cis-1,3-Dichloropropene	A	100.0	103.3	0.411869	0.4255673		3.3	20
trans-1,3-Dichloropropene	A	100.0	111.1	0.8172756	0.9078684		11.1	20
Ethylbenzene	A	100.0	106.7	2.419758	2.582292		6.7	20
Hexachlorobutadiene	A	100.0	101.8	0.3828814	0.3897127		1.8	20
2-Hexanone	A	200.0	222.4	0.3835157	0.4264813		11.2	20
Isopropylbenzene	A	100.0	105.0	1.787967	1.876492		5.0	20
p-Isopropyltoluene	A	100.0	106.3	1.658073	1.76325		6.3	20
Methylene chloride	A	100.0	105.3	0.1860977	0.1959166		5.3	20
Naphthalene	A	100.0	103.2	1.369554	1.413944		3.2	20
4-Methyl-2-pentanone	A	200.0	195.9	0.2576867	0.2523913		-2.1	20
Methyl t-Butyl Ether	A	100.0	102.1	0.750083	0.7657539		2.1	20
n-Propylbenzene	A	100.0	106.9	2.615418	2.794948		6.9	20
Styrene	A	100.0	105.2	1.325255	1.39361		5.2	20
1,1,2,2-Tetrachloroethane	A	100.0	113.2	0.5949751	0.6735683	0.3	13.2	20
1,1,1,2-Tetrachloroethane	L	100.0	97.07	0.5474485	0.6151601		-2.9	20
Tetrachloroethene	A	100.0	101.6	0.5708118	0.5799442		1.6	20
Toluene	A	100.0	105.9	1.135262	1.201932		5.9	20
1,2,3-Trichlorobenzene	A	100.0	102.1	0.6340517	0.6473859		2.1	20
1,2,4-Trichlorobenzene	A	100.0	103.4	0.6888209	0.7123722		3.4	20
1,1,2-Trichloroethane	A	100.0	111.1	0.3952658	0.4391139		11.1	20
1,1,1-Trichloroethane	A	100.0	96.07	0.4415644	0.4242095		-3.9	20
Trichloroethene	A	100.0	97.12	0.2563099	0.2489215		-2.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0728CCVE.D	Calibration Date:	07/15/11 07:34
Sequence:	1G21102	Injection Date:	07/28/11
Lab Sample ID:	1G21102-CCV1	Injection Time:	20:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	100.8	0.4264743	0.4298425		0.8	20
1,2,3-Trichloropropane	A	100.0	106.6	0.1829839	0.1950135		6.6	20
1,3,5-Trimethylbenzene	A	100.0	106.2	1.744294	1.85323		6.2	20
1,2,4-Trimethylbenzene	A	100.0	108.6	1.745256	1.89567		8.6	20
Vinyl chloride	A	100.0	97.23	0.1553111	0.1510039		-2.8	20
m,p-Xylene	A	200.0	205.6	1.862007	1.914702		2.8	20
o-Xylene	A	100.0	105.7	1.985624	2.098928		5.7	20
Bromofluorobenzene	A	30.00	33.68	0.8344153	0.9368907		12.3	20
Dibromofluoromethane	A	30.00	30.03	0.3254106	0.3257119		0.09	20
1,2-Dichloroethane-d4	A	30.00	29.25	6.267093E-02	6.110333E-02		-2.5	20
Toluene-d8	A	30.00	34.38	1.912359	2.191787		14.6	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0730CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1G21201	Injection Date:	07/30/11
Lab Sample ID:	1G21201-CCV1	Injection Time:	09:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	197.8	8.655942E-02	0.0856062		-1.1	20
Benzene	A	100.0	107.6	0.9042844	0.973374		7.6	20
Bromobenzene	A	100.0	106.8	0.649784	0.6936737		6.8	20
Bromochloromethane	A	100.0	106.2	0.135596	0.1440304		6.2	20
Bromodichloromethane	A	100.0	108.6	0.3693912	0.4009795		8.6	20
Bromoform	L	100.0	93.99	0.4457817	0.5556675	0.1	-6.0	20
Bromomethane	L	100.0	89.25	0.1432738	0.154969		-10.8	20
n-Butylbenzene	A	100.0	113.0	1.63338	1.845317		13.0	20
2-Butanone	A	200.0	216.6	0.130893	0.1417611		8.3	20
sec-Butylbenzene	A	100.0	110.9	1.945018	2.156548		10.9	20
tert-Butylbenzene	A	100.0	107.6	1.637174	1.761105		7.6	20
Carbon disulfide	A	100.0	125.5	0.4975247	0.6244451		25.5	20 *
Carbon tetrachloride	A	100.0	102.1	0.3996617	0.4081047		2.1	20
Chlorobenzene	A	100.0	108.0	1.298758	1.402875	0.3	8.0	20
Chloroethane	A	100.0	123.7	0.1141797	0.1412105		23.7	20 *
Chloroform	A	100.0	100.4	0.519736	0.521952		0.4	20
Chloromethane	A	100.0	107.3	0.2182924	0.2341805	0.1	7.3	20
2-Chlorotoluene	A	100.0	109.5	1.702465	1.86398		9.5	20
4-Chlorotoluene	A	100.0	111.3	1.990602	2.216213		11.3	20
Dibromochloromethane	L	100.0	98.78	0.5980214	0.7356144		-1.2	20
1,2-Dibromo-3-chloropropane	L	100.0	92.49	0.1228865	0.1483884		-7.5	20
1,2-Dibromoethane (EDB)	A	100.0	107.3	0.5085674	0.5455116		7.3	20
Dibromomethane	A	100.0	102.6	0.180141	0.1849097		2.6	20
1,2-Dichlorobenzene	A	100.0	107.9	1.078607	1.163758		7.9	20
1,3-Dichlorobenzene	A	100.0	109.1	1.101378	1.201526		9.1	20
1,4-Dichlorobenzene	A	100.0	109.0	1.14648	1.249414		9.0	20
Dichlorodifluoromethane	A	100.0	93.72	0.3068391	0.2875542		-6.3	20
1,1-Dichloroethane	A	100.0	107.3	0.431906	0.463528	0.1	7.3	20
1,2-Dichloroethane	A	100.0	101.3	0.4264077	0.4318159		1.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0730CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1G21201	Injection Date:	07/30/11
Lab Sample ID:	1G21201-CCV1	Injection Time:	09:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	112.9	0.1492329	0.168551		12.9	20
cis-1,2-Dichloroethene	A	100.0	107.6	0.2503875	0.2693401		7.6	20
trans-1,2-Dichloroethene	A	100.0	104.2	0.2240218	0.2335103		4.2	20
1,2-Dichloropropane	A	100.0	106.8	0.216359	0.2310469		6.8	20
1,3-Dichloropropane	A	100.0	114.8	0.8502119	0.9762847		14.8	20
2,2-Dichloropropane	A	100.0	102.0	0.4364498	0.4451935		2.0	20
1,1-Dichloropropene	A	100.0	100.7	0.3553169	0.3579543		0.7	20
cis-1,3-Dichloropropene	A	100.0	110.1	0.411869	0.4533383		10.1	20
trans-1,3-Dichloropropene	A	100.0	116.5	0.8172756	0.9518135		16.5	20
Ethylbenzene	A	100.0	108.0	2.419758	2.61455		8.1	20
Hexachlorobutadiene	A	100.0	102.7	0.3828814	0.3933766		2.7	20
2-Hexanone	A	200.0	230.3	0.3835157	0.4416373		15.2	20
Isopropylbenzene	A	100.0	108.1	1.787967	1.932089		8.1	20
p-Isopropyltoluene	A	100.0	109.5	1.658073	1.815988		9.5	20
Methylene chloride	A	100.0	114.1	0.1860977	0.2123276		14.1	20
Naphthalene	A	100.0	110.9	1.369554	1.518572		10.9	20
4-Methyl-2-pentanone	A	200.0	203.2	0.2576867	0.2617552		1.6	20
Methyl t-Butyl Ether	A	100.0	104.7	0.750083	0.7853461		4.7	20
n-Propylbenzene	A	100.0	111.1	2.615418	2.906694		11.1	20
Styrene	A	100.0	106.6	1.325255	1.412948		6.6	20
1,1,2,2-Tetrachloroethane	A	100.0	113.5	0.5949751	0.6753537	0.3	13.5	20
1,1,1,2-Tetrachloroethane	L	100.0	99.48	0.5474485	0.6306657		-0.5	20
Tetrachloroethene	A	100.0	105.3	0.5708118	0.6013207		5.3	20
Toluene	A	100.0	107.5	1.135262	1.220439		7.5	20
1,2,3-Trichlorobenzene	A	100.0	108.8	0.6340517	0.6901153		8.8	20
1,2,4-Trichlorobenzene	A	100.0	110.5	0.6888209	0.7612754		10.5	20
1,1,2-Trichloroethane	A	100.0	112.4	0.3952658	0.4443897		12.4	20
1,1,1-Trichloroethane	A	100.0	99.63	0.4415644	0.4399514		-0.4	20
Trichloroethene	A	100.0	99.98	0.2563099	0.2562635		-0.02	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0730CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1G21201	Injection Date:	07/30/11
Lab Sample ID:	1G21201-CCV1	Injection Time:	09:05

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	103.3	0.4264743	0.4403817		3.3	20
1,2,3-Trichloropropane	A	100.0	107.1	0.1829839	0.1959383		7.1	20
1,3,5-Trimethylbenzene	A	100.0	111.2	1.744294	1.938811		11.2	20
1,2,4-Trimethylbenzene	A	100.0	112.5	1.745256	1.964277		12.5	20
Vinyl chloride	A	100.0	102.7	0.1553111	0.1595431		2.7	20
m,p-Xylene	A	200.0	208.7	1.862007	1.942992		4.3	20
o-Xylene	A	100.0	107.3	1.985624	2.131497		7.3	20
Bromofluorobenzene	A	30.00	33.66	0.8344153	0.9362945		12.2	20
Dibromofluoromethane	A	30.00	29.99	0.3254106	0.3252856		-0.04	20
1,2-Dichloroethane-d4	A	30.00	29.80	6.267093E-02	6.226044E-02		-0.7	20
Toluene-d8	A	30.00	34.81	1.912359	2.218875		16.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0730CCV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21501	Injection Date:	07/30/11
Lab Sample ID:	1H21501-CCV1	Injection Time:	20:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetone	A	200.0	183.9	8.655942E-02	7.958831E-02		-8.1	20	
Benzene	A	100.0	104.1	0.9042844	0.9417134		4.1	20	
Bromobenzene	A	100.0	103.6	0.649784	0.6729831		3.6	20	
Bromochloromethane	A	100.0	102.6	0.135596	0.1391157		2.6	20	
Bromodichloromethane	A	100.0	102.0	0.3693912	0.3766551		2.0	20	
Bromoform	L	100.0	84.33	0.4457817	0.496855	0.1	-15.7	20	
Bromomethane	L	100.0	84.04	0.1432738	0.1457182		-16.0	20	
n-Butylbenzene	A	100.0	107.3	1.63338	1.752796		7.3	20	
2-Butanone	A	200.0	209.6	0.130893	0.137204		4.8	20	
sec-Butylbenzene	A	100.0	108.7	1.945018	2.115032		8.7	20	
tert-Butylbenzene	A	100.0	105.0	1.637174	1.719115		5.0	20	
Carbon disulfide	A	100.0	120.3	0.4975247	0.5984305		20.3	20	*
Carbon tetrachloride	A	100.0	96.07	0.3996617	0.3839708		-3.9	20	
Chlorobenzene	A	100.0	105.2	1.298758	1.365797	0.3	5.2	20	
Chloroethane	A	100.0	119.0	0.1141797	0.135856		19.0	20	
Chloroform	A	100.0	92.65	0.519736	0.4815219		-7.4	20	
Chloromethane	A	100.0	101.8	0.2182924	0.2223084	0.1	1.8	20	
2-Chlorotoluene	A	100.0	106.6	1.702465	1.814901		6.6	20	
4-Chlorotoluene	A	100.0	105.7	1.990602	2.103281		5.7	20	
Dibromochloromethane	L	100.0	91.06	0.5980214	0.6768615		-8.9	20	
1,2-Dibromo-3-chloropropane	L	100.0	87.32	0.1228865	0.1398467		-12.7	20	
1,2-Dibromoethane (EDB)	A	100.0	107.6	0.5085674	0.5474296		7.6	20	
Dibromomethane	A	100.0	99.13	0.180141	0.1785705		-0.9	20	
1,2-Dichlorobenzene	A	100.0	102.9	1.078607	1.110086		2.9	20	
1,3-Dichlorobenzene	A	100.0	104.8	1.101378	1.154857		4.9	20	
1,4-Dichlorobenzene	A	100.0	103.8	1.14648	1.190331		3.8	20	
Dichlorodifluoromethane	A	100.0	83.93	0.3068391	0.2575409		-16.1	20	
1,1-Dichloroethane	A	100.0	103.4	0.431906	0.4467427	0.1	3.4	20	
1,2-Dichloroethane	A	100.0	96.32	0.4264077	0.4107184		-3.7	20	

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0730CCV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21501	Injection Date:	07/30/11
Lab Sample ID:	1H21501-CCV1	Injection Time:	20:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	99.69	0.1492329	0.1487642		-0.3	20
cis-1,2-Dichloroethene	A	100.0	103.5	0.2503875	0.2592317		3.5	20
trans-1,2-Dichloroethene	A	100.0	100.3	0.2240218	0.2247275		0.3	20
1,2-Dichloropropane	A	100.0	104.6	0.216359	0.226207		4.6	20
1,3-Dichloropropane	A	100.0	109.5	0.8502119	0.9313729		9.5	20
2,2-Dichloropropane	A	100.0	84.41	0.4364498	0.3684164		-15.6	20
1,1-Dichloropropene	A	100.0	97.73	0.3553169	0.347245		-2.3	20
cis-1,3-Dichloropropene	A	100.0	101.3	0.411869	0.4172935		1.3	20
trans-1,3-Dichloropropene	A	100.0	107.8	0.8172756	0.8813488		7.8	20
Ethylbenzene	A	100.0	102.6	2.419758	2.482673		2.6	20
Hexachlorobutadiene	A	100.0	96.22	0.3828814	0.3684121		-3.8	20
2-Hexanone	A	200.0	223.8	0.3835157	0.4291294		11.9	20
Isopropylbenzene	A	100.0	102.5	1.787967	1.833109		2.5	20
p-Isopropyltoluene	A	100.0	106.1	1.658073	1.759454		6.1	20
Methylene chloride	A	100.0	109.2	0.1860977	0.2033207		9.3	20
Naphthalene	A	100.0	103.8	1.369554	1.421291		3.8	20
4-Methyl-2-pentanone	A	200.0	198.5	0.2576867	0.2557907		-0.7	20
Methyl t-Butyl Ether	A	100.0	99.52	0.750083	0.7464657		-0.5	20
n-Propylbenzene	A	100.0	106.5	2.615418	2.786671		6.5	20
Styrene	A	100.0	103.6	1.325255	1.372348		3.6	20
1,1,2,2-Tetrachloroethane	A	100.0	108.8	0.5949751	0.647668	0.3	8.9	20
1,1,1,2-Tetrachloroethane	L	100.0	93.50	0.5474485	0.5921402		-6.5	20
Tetrachloroethene	A	100.0	98.49	0.5708118	0.56221		-1.5	20
Toluene	A	100.0	103.7	1.135262	1.177529		3.7	20
1,2,3-Trichlorobenzene	A	100.0	102.9	0.6340517	0.6525559		2.9	20
1,2,4-Trichlorobenzene	A	100.0	103.6	0.6888209	0.7137596		3.6	20
1,1,2-Trichloroethane	A	100.0	109.0	0.3952658	0.4306808		9.0	20
1,1,1-Trichloroethane	A	100.0	93.38	0.4415644	0.4123481		-6.6	20
Trichloroethene	A	100.0	95.69	0.2563099	0.2452754		-4.3	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0730CCV2.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21501	Injection Date:	07/30/11
Lab Sample ID:	1H21501-CCV1	Injection Time:	20:46

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	95.26	0.4264743	0.4062418		-4.7	20
1,2,3-Trichloropropane	A	100.0	98.36	0.1829839	0.1799914		-1.6	20
1,3,5-Trimethylbenzene	A	100.0	106.8	1.744294	1.863607		6.8	20
1,2,4-Trimethylbenzene	A	100.0	106.8	1.745256	1.864153		6.8	20
Vinyl chloride	A	100.0	95.96	0.1553111	0.1490381		-4.0	20
m,p-Xylene	A	200.0	195.3	1.862007	1.818488		-2.3	20
o-Xylene	A	100.0	102.2	1.985624	2.029676		2.2	20
Bromofluorobenzene	A	30.00	33.19	0.8344153	0.9230918		10.6	20
Dibromofluoromethane	A	30.00	29.43	0.3254106	0.3192193		-1.9	20
1,2-Dichloroethane-d4	A	30.00	29.99	6.267093E-02	6.264377E-02		-0.04	20
Toluene-d8	A	30.00	33.94	1.912359	2.163485		13.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0731CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21502	Injection Date:	07/31/11
Lab Sample ID:	1H21502-CCV1	Injection Time:	09:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	199.9	8.655942E-02	0.0865132		-0.05	20
Benzene	A	100.0	104.0	0.9042844	0.9405356		4.0	20
Bromobenzene	A	100.0	106.1	0.649784	0.6894899		6.1	20
Bromochloromethane	A	100.0	102.8	0.135596	0.1394125		2.8	20
Bromodichloromethane	A	100.0	102.0	0.3693912	0.3769886		2.1	20
Bromoform	L	100.0	89.72	0.4457817	0.5296925	0.1	-10.3	20
Bromomethane	L	100.0	54.82	0.1432738	9.386608E-02		-45.2	20 *
n-Butylbenzene	A	100.0	114.1	1.63338	1.863443		14.1	20
2-Butanone	A	200.0	222.1	0.130893	0.1453544		11.0	20
sec-Butylbenzene	A	100.0	112.5	1.945018	2.18868		12.5	20
tert-Butylbenzene	A	100.0	109.3	1.637174	1.790231		9.3	20
Carbon disulfide	A	100.0	112.0	0.4975247	0.5575244		12.1	20
Carbon tetrachloride	A	100.0	96.45	0.3996617	0.385485		-3.5	20
Chlorobenzene	A	100.0	106.5	1.298758	1.382756	0.3	6.5	20
Chloroethane	A	100.0	115.6	0.1141797	0.1320538		15.7	20
Chloroform	A	100.0	93.14	0.519736	0.4841007		-6.9	20
Chloromethane	A	100.0	82.81	0.2182924	0.1807665	0.1	-17.2	20
2-Chlorotoluene	A	100.0	110.4	1.702465	1.879465		10.4	20
4-Chlorotoluene	A	100.0	108.9	1.990602	2.16702		8.9	20
Dibromochloromethane	L	100.0	94.33	0.5980214	0.7017565		-5.7	20
1,2-Dibromo-3-chloropropane	L	100.0	91.92	0.1228865	0.1474549		-8.1	20
1,2-Dibromoethane (EDB)	A	100.0	112.9	0.5085674	0.5741708		12.9	20
Dibromomethane	A	100.0	99.05	0.180141	0.1784279		-1.0	20
1,2-Dichlorobenzene	A	100.0	106.0	1.078607	1.143327		6.0	20
1,3-Dichlorobenzene	A	100.0	106.7	1.101378	1.175086		6.7	20
1,4-Dichlorobenzene	A	100.0	107.8	1.14648	1.235751		7.8	20
Dichlorodifluoromethane	A	100.0	88.01	0.3068391	0.2700416		-12.0	20
1,1-Dichloroethane	A	100.0	106.1	0.431906	0.4583745	0.1	6.1	20
1,2-Dichloroethane	A	100.0	96.90	0.4264077	0.4131742		-3.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0731CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21502	Injection Date:	07/31/11
Lab Sample ID:	1H21502-CCV1	Injection Time:	09:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	100.8	0.1492329	0.1504157		0.8	20
cis-1,2-Dichloroethene	A	100.0	105.4	0.2503875	0.2639401		5.4	20
trans-1,2-Dichloroethene	A	100.0	102.9	0.2240218	0.2306015		2.9	20
1,2-Dichloropropane	A	100.0	106.2	0.216359	0.2296705		6.2	20
1,3-Dichloropropane	A	100.0	114.4	0.8502119	0.9726709		14.4	20
2,2-Dichloropropane	A	100.0	98.01	0.4364498	0.427769		-2.0	20
1,1-Dichloropropene	A	100.0	99.50	0.3553169	0.3535492		-0.5	20
cis-1,3-Dichloropropene	A	100.0	105.1	0.411869	0.4327569		5.1	20
trans-1,3-Dichloropropene	A	100.0	112.8	0.8172756	0.9214818		12.8	20
Ethylbenzene	A	100.0	108.3	2.419758	2.621563		8.3	20
Hexachlorobutadiene	A	100.0	102.8	0.3828814	0.3934632		2.8	20
2-Hexanone	A	200.0	246.2	0.3835157	0.4722212		23.1	20 *
Isopropylbenzene	A	100.0	106.5	1.787967	1.903825		6.5	20
p-Isopropyltoluene	A	100.0	109.4	1.658073	1.81348		9.4	20
Methylene chloride	A	100.0	101.0	0.1860977	0.1879632		1.0	20
Naphthalene	A	100.0	109.8	1.369554	1.503749		9.8	20
4-Methyl-2-pentanone	A	200.0	207.3	0.2576867	0.2671493		3.7	20
Methyl t-Butyl Ether	A	100.0	102.6	0.750083	0.7698996		2.6	20
n-Propylbenzene	A	100.0	110.8	2.615418	2.897968		10.8	20
Styrene	A	100.0	107.8	1.325255	1.429092		7.8	20
1,1,2,2-Tetrachloroethane	A	100.0	115.4	0.5949751	0.6865977	0.3	15.4	20
1,1,1,2-Tetrachloroethane	L	100.0	95.60	0.5474485	0.6056721		-4.4	20
Tetrachloroethene	A	100.0	103.8	0.5708118	0.5926196		3.8	20
Toluene	A	100.0	104.8	1.135262	1.189843		4.8	20
1,2,3-Trichlorobenzene	A	100.0	109.1	0.6340517	0.6918389		9.1	20
1,2,4-Trichlorobenzene	A	100.0	107.8	0.6888209	0.7429437		7.9	20
1,1,2-Trichloroethane	A	100.0	113.8	0.3952658	0.4497457		13.8	20
1,1,1-Trichloroethane	A	100.0	93.66	0.4415644	0.4135926		-6.3	20
Trichloroethene	A	100.0	98.14	0.2563099	0.2515571		-1.9	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0731CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21502	Injection Date:	07/31/11
Lab Sample ID:	1H21502-CCV1	Injection Time:	09:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	96.89	0.4264743	0.4132188		-3.1	20
1,2,3-Trichloropropane	A	100.0	106.3	0.1829839	0.1945391		6.3	20
1,3,5-Trimethylbenzene	A	100.0	111.4	1.744294	1.942901		11.4	20
1,2,4-Trimethylbenzene	A	100.0	111.6	1.745256	1.948113		11.6	20
Vinyl chloride	A	100.0	95.24	0.1553111	0.1479137		-4.8	20
m,p-Xylene	A	200.0	205.7	1.862007	1.915013		2.8	20
o-Xylene	A	100.0	104.6	1.985624	2.077164		4.6	20
Bromofluorobenzene	A	30.00	33.42	0.8344153	0.9294616		11.4	20
Dibromofluoromethane	A	30.00	29.40	0.3254106	0.3188925		-2.0	20
1,2-Dichloroethane-d4	A	30.00	29.38	6.267093E-02	6.138612E-02		-2.1	20
Toluene-d8	A	30.00	35.02	1.912359	2.232503		16.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0803CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21601	Injection Date:	08/03/11
Lab Sample ID:	1H21601-CCV1	Injection Time:	07:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	210.1	8.655942E-02	9.093101E-02		5.1	20
Benzene	A	100.0	107.5	0.9042844	0.9717819		7.5	20
Bromobenzene	A	100.0	106.1	0.649784	0.6892324		6.1	20
Bromochloromethane	A	100.0	108.1	0.135596	0.1465808		8.1	20
Bromodichloromethane	A	100.0	110.0	0.3693912	0.4062251		10.0	20
Bromoform	L	100.0	97.24	0.4457817	0.5754805	0.1	-2.8	20
Bromomethane	L	100.0	47.43	0.1432738	8.076581E-02		-52.6	20 *
n-Butylbenzene	A	100.0	113.2	1.63338	1.848329		13.2	20
2-Butanone	A	200.0	225.4	0.130893	0.1475214		12.7	20
sec-Butylbenzene	A	100.0	110.8	1.945018	2.155152		10.8	20
tert-Butylbenzene	A	100.0	107.0	1.637174	1.75258		7.0	20
Carbon disulfide	A	100.0	118.8	0.4975247	0.5910879		18.8	20
Carbon tetrachloride	A	100.0	104.5	0.3996617	0.4177115		4.5	20
Chlorobenzene	A	100.0	111.4	1.298758	1.446344	0.3	11.4	20
Chloroethane	A	100.0	122.9	0.1141797	0.1403651		22.9	20 *
Chloroform	A	100.0	98.48	0.519736	0.5118249		-1.5	20
Chloromethane	A	100.0	83.36	0.2182924	0.181968	0.1	-16.6	20
2-Chlorotoluene	A	100.0	109.3	1.702465	1.861217		9.3	20
4-Chlorotoluene	A	100.0	109.0	1.990602	2.169845		9.0	20
Dibromochloromethane	L	100.0	101.4	0.5980214	0.7552154		1.4	20
1,2-Dibromo-3-chloropropane	L	100.0	95.62	0.1228865	0.1535698		-4.4	20
1,2-Dibromoethane (EDB)	A	100.0	111.7	0.5085674	0.5680786		11.7	20
Dibromomethane	A	100.0	104.5	0.180141	0.1882307		4.5	20
1,2-Dichlorobenzene	A	100.0	105.4	1.078607	1.136644		5.4	20
1,3-Dichlorobenzene	A	100.0	109.5	1.101378	1.205695		9.5	20
1,4-Dichlorobenzene	A	100.0	108.3	1.14648	1.241322		8.3	20
Dichlorodifluoromethane	A	100.0	95.20	0.3068391	0.2921281		-4.8	20
1,1-Dichloroethane	A	100.0	109.7	0.431906	0.4737759	0.1	9.7	20
1,2-Dichloroethane	A	100.0	101.6	0.4264077	0.4330193		1.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0803CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21601	Injection Date:	08/03/11
Lab Sample ID:	1H21601-CCV1	Injection Time:	07:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	107.8	0.1492329	0.160854		7.8	20
cis-1,2-Dichloroethene	A	100.0	109.1	0.2503875	0.2732036		9.1	20
trans-1,2-Dichloroethene	A	100.0	107.7	0.2240218	0.241199		7.7	20
1,2-Dichloropropane	A	100.0	107.4	0.216359	0.2324075		7.4	20
1,3-Dichloropropane	A	100.0	118.4	0.8502119	1.006244		18.4	20
2,2-Dichloropropane	A	100.0	107.0	0.4364498	0.4671912		7.0	20
1,1-Dichloropropene	A	100.0	103.3	0.3553169	0.3669754		3.3	20
cis-1,3-Dichloropropene	A	100.0	109.2	0.411869	0.4498578		9.2	20
trans-1,3-Dichloropropene	A	100.0	118.1	0.8172756	0.9649964		18.1	20
Ethylbenzene	A	100.0	111.4	2.419758	2.694638		11.4	20
Hexachlorobutadiene	A	100.0	107.6	0.3828814	0.411853		7.6	20
2-Hexanone	A	200.0	248.7	0.3835157	0.4769012		24.3	20 *
Isopropylbenzene	A	100.0	112.0	1.787967	2.00286		12.0	20
p-Isopropyltoluene	A	100.0	111.1	1.658073	1.84236		11.1	20
Methylene chloride	A	100.0	104.8	0.1860977	0.1949549		4.8	20
Naphthalene	A	100.0	105.7	1.369554	1.447527		5.7	20
4-Methyl-2-pentanone	A	200.0	210.9	0.2576867	0.2717117		5.4	20
Methyl t-Butyl Ether	A	100.0	109.2	0.750083	0.8195149		9.3	20
n-Propylbenzene	A	100.0	111.1	2.615418	2.904887		11.1	20
Styrene	A	100.0	110.2	1.325255	1.460501		10.2	20
1,1,2,2-Tetrachloroethane	A	100.0	112.2	0.5949751	0.6675796	0.3	12.2	20
1,1,1,2-Tetrachloroethane	L	100.0	101.1	0.5474485	0.6413067		1.1	20
Tetrachloroethene	A	100.0	111.4	0.5708118	0.6361208		11.4	20
Toluene	A	100.0	109.8	1.135262	1.246083		9.8	20
1,2,3-Trichlorobenzene	A	100.0	107.8	0.6340517	0.6835926		7.8	20
1,2,4-Trichlorobenzene	A	100.0	109.4	0.6888209	0.7533043		9.4	20
1,1,2-Trichloroethane	A	100.0	117.7	0.3952658	0.4653666		17.7	20
1,1,1-Trichloroethane	A	100.0	102.1	0.4415644	0.4509878		2.1	20
Trichloroethene	A	100.0	102.2	0.2563099	0.261868		2.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	1197002
Lab File ID:	0803CCV1.D	Calibration Date:	07/15/11 07:34
Sequence:	1H21601	Injection Date:	08/03/11
Lab Sample ID:	1H21601-CCV1	Injection Time:	07:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	107.1	0.4264743	0.4566827		7.1	20
1,2,3-Trichloropropane	A	100.0	110.0	0.1829839	0.2013588		10.0	20
1,3,5-Trimethylbenzene	A	100.0	109.6	1.744294	1.911203		9.6	20
1,2,4-Trimethylbenzene	A	100.0	109.0	1.745256	1.902248		9.0	20
Vinyl chloride	A	100.0	99.32	0.1553111	0.154252		-0.7	20
m,p-Xylene	A	200.0	214.1	1.862007	1.992973		7.0	20
o-Xylene	A	100.0	111.1	1.985624	2.205361		11.1	20
Bromofluorobenzene	A	30.00	33.72	0.8344153	0.9378573		12.4	20
Dibromofluoromethane	A	30.00	30.14	0.3254106	0.3269573		0.5	20
1,2-Dichloroethane-d4	A	30.00	30.20	6.267093E-02	6.309807E-02		0.7	20
Toluene-d8	A	30.00	34.31	1.912359	2.187351		14.4	20

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

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28007-BLK1 File ID: 0728BLK1.D

Sampled: Prepared: Analyzed: 07/28/11 10:18

Solids: Preparation: 5030B Dilution:

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28007-BLK1 File ID: 0728BLK1.D

Sampled: Prepared: Analyzed: 07/28/11 10:18

Solids: Preparation: 5030B Dilution:

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.05	103	75 - 120	
Dibromofluoromethane	30.00	30.21	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.92	103	70 - 120	
Toluene-d8	30.00	31.53	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28007-BS1 File ID: 0728LCS1.D

Sampled: Prepared: Analyzed: 07/28/11 09:00

Solids: Preparation: 5030B Dilution:

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	91.6	2.50	5.00	10.0	
71-43-2	Benzene	51.2	0.250	0.500	1.00	
108-86-1	Bromobenzene	50.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	49.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	54.1	0.250	0.500	1.00	
75-25-2	Bromoform	41.3	0.250	0.500	1.00	
74-83-9	Bromomethane	40.6	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	51.3	0.250	0.500	1.00	
78-93-3	2-Butanone	101	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	52.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	50.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	58.3	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	50.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	51.8	0.250	0.500	1.00	
75-00-3	Chloroethane	56.6	0.500	1.00	2.00	
67-66-3	Chloroform	47.0	0.250	0.500	1.00	
74-87-3	Chloromethane	52.3	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	50.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	51.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	44.9	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	42.2	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	49.3	0.250	0.500	1.00	
74-95-3	Dibromomethane	49.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	49.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	51.7	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	50.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	51.2	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	52.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	48.8	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	59.6	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	51.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.5	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	51.9	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	49.2	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	51.3	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	50.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	57.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	52.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28007-BS1 File ID: 0728LCS1.D

Sampled: Prepared: Analyzed: 07/28/11 09:00

Solids: Preparation: 5030B Dilution:

Batch: 1G28007 Sequence: 1G21039 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	107	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	53.2	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	53.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	54.9	0.500	1.00	2.00	
91-20-3	Naphthalene	44.9	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	102	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	47.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	52.5	0.250	0.500	1.00	
100-42-5	Styrene	52.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	50.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	45.6	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.3	0.250	0.500	1.00	
108-88-3	Toluene	51.6	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	47.5	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	48.2	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	50.0	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.0	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.7	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	47.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	50.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	50.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	51.8	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	99.7	0.500	1.00	2.00	
95-47-6	o-Xylene	49.4	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.80	106	75 - 120	
Dibromofluoromethane	30.00	30.15	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.33	101	70 - 120	
Toluene-d8	30.00	32.23	107	85 - 120	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28012-BLK1 File ID: 0728BLKE.D

Sampled: Prepared: Analyzed: 07/28/11 22:20

Solids: Preparation: 5030B Dilution:

Batch: 1G28012 Sequence: 1G21102 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	X, U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	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	0.287	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28012-BLK1 File ID: 0728BLKE.D

Sampled: Prepared: Analyzed: 07/28/11 22:20

Solids: Preparation: 5030B Dilution:

Batch: 1G28012 Sequence: 1G21102 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.07	104	75 - 120	
Dibromofluoromethane	30.00	30.72	102	85 - 115	
1,2-Dichloroethane-d4	30.00	34.67	116	70 - 120	
Toluene-d8	30.00	31.57	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28012-BS1 File ID: 0728LCSE.D

Sampled: Prepared: Analyzed: 07/28/11 21:01

Solids: Preparation: 5030B Dilution:

Batch: 1G28012 Sequence: 1G21102 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	92.6	2.50	5.00	10.0	
71-43-2	Benzene	52.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	53.9	0.250	0.500	1.00	
74-97-5	Bromochloromethane	51.3	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	58.5	0.250	0.500	1.00	
75-25-2	Bromoform	43.6	0.250	0.500	1.00	
74-83-9	Bromomethane	19.5	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	50.6	0.250	0.500	1.00	
78-93-3	2-Butanone	101	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	53.4	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.4	0.250	0.500	1.00	
75-15-0	Carbon disulfide	59.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	48.0	0.250	0.500	1.00	
108-90-7	Chlorobenzene	54.2	0.250	0.500	1.00	
75-00-3	Chloroethane	62.8	0.500	1.00	2.00	X
67-66-3	Chloroform	49.0	0.250	0.500	1.00	
74-87-3	Chloromethane	41.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	55.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	54.7	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.9	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	53.6	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.0	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	53.5	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.5	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	47.1	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	53.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	58.9	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	52.5	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	53.1	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	54.9	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	53.3	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	41.8	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	50.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.7	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	60.3	0.250	0.500	1.00	
100-41-4	Ethylbenzene	51.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	50.9	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28012-BS1 File ID: 0728LCSE.D

Sampled: Prepared: Analyzed: 07/28/11 21:01

Solids: Preparation: 5030B Dilution:

Batch: 1G28012 Sequence: 1G21102 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	107	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	53.1	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	53.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	58.1	0.500	1.00	2.00	
91-20-3	Naphthalene	49.0	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	102	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	49.6	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	54.1	0.250	0.500	1.00	
100-42-5	Styrene	54.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	58.1	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	47.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	48.3	0.250	0.500	1.00	
108-88-3	Toluene	54.5	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	51.2	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	53.3	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	47.1	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	48.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.3	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	54.3	0.250	0.500	1.00	
75-01-4	Vinyl chloride	47.7	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	102	0.500	1.00	2.00	
95-47-6	o-Xylene	51.5	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.42	105	75 - 120	
Dibromofluoromethane	30.00	30.08	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.17	101	70 - 120	
Toluene-d8	30.00	33.20	111	85 - 120	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30001-BLK1 File ID: 0730BLK1.D

Sampled: Prepared: Analyzed: 07/30/11 10:58

Solids: Preparation: 5030B Dilution:

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30001-BLK1 File ID: 0730BLK1.D

Sampled: Prepared: Analyzed: 07/30/11 10:58

Solids: Preparation: 5030B Dilution:

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.30	104	75 - 120	
Dibromofluoromethane	30.00	30.60	102	85 - 115	
1,2-Dichloroethane-d4	30.00	31.22	104	70 - 120	
Toluene-d8	30.00	31.68	106	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30001-BS1 File ID: 0730LCS1.D

Sampled: Prepared: Analyzed: 07/30/11 09:40

Solids: Preparation: 5030B Dilution:

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	104	2.50	5.00	10.0	
71-43-2	Benzene	54.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	52.4	0.250	0.500	1.00	
74-97-5	Bromochloromethane	55.4	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	58.3	0.250	0.500	1.00	
75-25-2	Bromoform	45.2	0.250	0.500	1.00	
74-83-9	Bromomethane	47.3	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	54.6	0.250	0.500	1.00	
78-93-3	2-Butanone	114	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	54.2	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	65.5	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	52.3	0.250	0.500	1.00	
108-90-7	Chlorobenzene	53.9	0.250	0.500	1.00	
75-00-3	Chloroethane	61.1	0.500	1.00	2.00	X
67-66-3	Chloroform	51.3	0.250	0.500	1.00	
74-87-3	Chloromethane	59.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	53.1	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	53.5	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	54.0	0.250	0.500	1.00	
74-95-3	Dibromomethane	55.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	54.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.0	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	53.4	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	56.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	54.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	57.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	54.7	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.6	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	56.5	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	54.4	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	52.3	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	54.2	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	55.0	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	62.7	0.250	0.500	1.00	
100-41-4	Ethylbenzene	52.9	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	54.4	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30001-BS1 File ID: 0730LCS1.D

Sampled: Prepared: Analyzed: 07/30/11 09:40

Solids: Preparation: 5030B Dilution:

Batch: 1G30001 Sequence: 1G21201 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	116	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	54.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	57.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	57.6	0.500	1.00	2.00	
91-20-3	Naphthalene	55.8	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	113	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	55.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	54.6	0.250	0.500	1.00	
100-42-5	Styrene	55.5	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	56.8	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	51.1	0.250	0.500	1.00	
108-88-3	Toluene	54.7	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	55.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	54.2	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	53.9	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	51.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	55.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	53.7	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	52.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	54.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	56.0	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	105	0.500	1.00	2.00	
95-47-6	o-Xylene	53.0	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.19	107	75 - 120	
Dibromofluoromethane	30.00	31.54	105	85 - 115	
1,2-Dichloroethane-d4	30.00	31.54	105	70 - 120	
Toluene-d8	30.00	32.77	109	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30002-BLK1 File ID: 0730BLK2.D

Sampled: Prepared: Analyzed: 07/30/11 22:31

Solids: Preparation: 5030B Dilution:

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	X, U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)		0.250	0.500	1.00	U
74-95-3	Dibromomethane		0.250	0.500	1.00	U
95-50-1	1,2-Dichlorobenzene		0.250	0.500	1.00	U
541-73-1	1,3-Dichlorobenzene		0.250	0.500	1.00	U
106-46-7	1,4-Dichlorobenzene		0.250	0.500	1.00	U
75-71-8	Dichlorodifluoromethane		0.500	1.00	2.00	U
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene	0.278	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30002-BLK1 File ID: 0730BLK2.D

Sampled: Prepared: Analyzed: 07/30/11 22:31

Solids: Preparation: 5030B Dilution:

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.46	105	75 - 120	
Dibromofluoromethane	30.00	30.10	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.74	102	70 - 120	
Toluene-d8	30.00	31.38	105	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30002-BS1 File ID: 0730LCS2.D

Sampled: Prepared: Analyzed: 07/30/11 21:13

Solids: Preparation: 5030B Dilution:

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	93.3	2.50	5.00	10.0	
71-43-2	Benzene	54.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	54.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	53.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	55.8	0.250	0.500	1.00	
75-25-2	Bromoform	42.4	0.250	0.500	1.00	
74-83-9	Bromomethane	39.0	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	54.5	0.250	0.500	1.00	
78-93-3	2-Butanone	105	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	56.3	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	55.9	0.250	0.500	1.00	
75-15-0	Carbon disulfide	64.2	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	50.1	0.250	0.500	1.00	
108-90-7	Chlorobenzene	55.7	0.250	0.500	1.00	
75-00-3	Chloroethane	58.5	0.500	1.00	2.00	
67-66-3	Chloroform	49.0	0.250	0.500	1.00	
74-87-3	Chloromethane	53.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	55.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	56.4	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	47.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	53.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	53.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	53.9	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.7	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	48.9	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	61.0	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	59.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	53.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	62.9	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	55.3	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	54.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	43.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.8	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	60.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.1	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	53.0	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30002-BS1 File ID: 0730LCS2.D

Sampled: Prepared: Analyzed: 07/30/11 21:13

Solids: Preparation: 5030B Dilution:

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	110	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	54.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	56.9	0.250	0.500	1.00	
75-09-2	Methylene chloride	57.4	0.500	1.00	2.00	
91-20-3	Naphthalene	53.3	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	105	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	56.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	55.5	0.250	0.500	1.00	
100-42-5	Styrene	55.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	57.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	48.1	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.4	0.250	0.500	1.00	
108-88-3	Toluene	55.0	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	54.3	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	53.4	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	54.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.7	0.250	0.500	1.00	
79-01-6	Trichloroethene	51.6	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	52.0	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	55.9	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	56.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.7	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	105	0.500	1.00	2.00	
95-47-6	o-Xylene	52.6	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.94	106	75 - 120	
Dibromofluoromethane	30.00	30.37	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.68	98.9	70 - 120	
Toluene-d8	30.00	33.25	111	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30002-MS3 File ID: 0725101M.D

Sampled: Prepared: Analyzed: 07/31/11 07:25

Solids: Preparation: 5030B Dilution:

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	96.2	2.50	5.00	10.0	
71-43-2	Benzene	56.8	0.250	0.500	1.00	
108-86-1	Bromobenzene	55.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	56.3	0.250	0.500	1.00	
75-25-2	Bromoform	44.0	0.250	0.500	1.00	
74-83-9	Bromomethane	21.8	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	55.8	0.250	0.500	1.00	
78-93-3	2-Butanone	111	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	58.0	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	57.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	67.1	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	51.9	0.250	0.500	1.00	
108-90-7	Chlorobenzene	58.1	0.250	0.500	1.00	
75-00-3	Chloroethane	60.8	0.500	1.00	2.00	
67-66-3	Chloroform	50.3	0.250	0.500	1.00	
74-87-3	Chloromethane	41.2	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	56.8	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	56.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.3	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.9	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	55.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.9	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	54.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	53.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	51.9	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	56.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	52.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	63.2	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	55.3	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	57.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	57.8	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	37.1	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	55.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.9	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	60.8	0.250	0.500	1.00	
100-41-4	Ethylbenzene	56.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	51.6	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30002-MS3 File ID: 0725101M.D

Sampled: Prepared: Analyzed: 07/31/11 07:25

Solids: Preparation: 5030B Dilution:

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	116	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	57.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	58.3	0.250	0.500	1.00	
75-09-2	Methylene chloride	58.3	0.500	1.00	2.00	
91-20-3	Naphthalene	52.9	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	107	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	52.4	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	57.7	0.250	0.500	1.00	
100-42-5	Styrene	56.2	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	59.0	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.9	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.4	0.250	0.500	1.00	
108-88-3	Toluene	57.9	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	53.4	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	55.0	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	56.6	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.9	0.250	0.500	1.00	
79-01-6	Trichloroethene	53.7	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	52.4	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	56.4	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	56.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.2	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	110	0.500	1.00	2.00	
95-47-6	o-Xylene	54.2	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.79	109	75 - 120	
Dibromofluoromethane	30.00	29.98	99.9	85 - 115	
1,2-Dichloroethane-d4	30.00	30.07	100	70 - 120	
Toluene-d8	30.00	33.69	112	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30002-MSD3 File ID: 0725101S.D

Sampled: Prepared: Analyzed: 07/31/11 07:52

Solids: Preparation: 5030B Dilution:

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	97.3	2.50	5.00	10.0	
71-43-2	Benzene	55.0	0.250	0.500	1.00	
108-86-1	Bromobenzene	53.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	54.1	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	55.3	0.250	0.500	1.00	
75-25-2	Bromoform	41.6	0.250	0.500	1.00	
74-83-9	Bromomethane	22.2	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	53.0	0.250	0.500	1.00	
78-93-3	2-Butanone	110	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	54.8	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	54.0	0.250	0.500	1.00	
75-15-0	Carbon disulfide	64.2	0.250	0.500	1.00	X
56-23-5	Carbon tetrachloride	49.6	0.250	0.500	1.00	
108-90-7	Chlorobenzene	55.3	0.250	0.500	1.00	
75-00-3	Chloroethane	58.5	0.500	1.00	2.00	
67-66-3	Chloroform	48.7	0.250	0.500	1.00	
74-87-3	Chloromethane	42.9	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	54.7	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	55.0	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.0	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.5	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	53.6	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.0	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.8	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	53.8	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.2	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	55.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	60.1	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	54.4	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	54.3	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	56.2	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	54.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	34.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.4	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	51.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	57.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	49.7	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G30002-MSD3 File ID: 0725101S.D

Sampled: Prepared: Analyzed: 07/31/11 07:52

Solids: Preparation: 5030B Dilution:

Batch: 1G30002 Sequence: 1H21501 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	110	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	54.9	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	56.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	57.0	0.500	1.00	2.00	
91-20-3	Naphthalene	51.9	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	105	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	56.0	0.250	0.500	1.00	
100-42-5	Styrene	54.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	58.4	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	47.5	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.1	0.250	0.500	1.00	
108-88-3	Toluene	55.2	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	51.6	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	52.5	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	54.4	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.1	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	51.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.6	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	54.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	54.9	0.250	0.500	1.00	
75-01-4	Vinyl chloride	50.2	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	102	0.500	1.00	2.00	
95-47-6	o-Xylene	51.3	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.06	107	75 - 120	
Dibromofluoromethane	30.00	30.29	101	85 - 115	
1,2-Dichloroethane-d4	30.00	29.79	99.3	70 - 120	
Toluene-d8	30.00	32.57	109	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G31001-BLK1 File ID: 0731BLK1.D

Sampled: Prepared: Analyzed: 07/31/11 11:12

Solids: Preparation: 5030B Dilution:

Batch: 1G31001 Sequence: 1H21502 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	U
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	Q, Y, U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	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	0.267	0.250	0.500	1.00	J

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G31001-BLK1 File ID: 0731BLK1.D

Sampled: Prepared: Analyzed: 07/31/11 11:12

Solids: Preparation: 5030B Dilution:

Batch: 1G31001 Sequence: 1H21502 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.60	105	75 - 120	
Dibromofluoromethane	30.00	29.65	98.8	85 - 115	
1,2-Dichloroethane-d4	30.00	30.47	102	70 - 120	
Toluene-d8	30.00	31.70	106	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G31001-BS1 File ID: 0731LCS1.D

Sampled: Prepared: Analyzed: 07/31/11 09:53

Solids: Preparation: 5030B Dilution:

Batch: 1G31001 Sequence: 1H21502 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	89.4	2.50	5.00	10.0	
71-43-2	Benzene	55.9	0.250	0.500	1.00	
108-86-1	Bromobenzene	54.6	0.250	0.500	1.00	
74-97-5	Bromochloromethane	53.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	56.5	0.250	0.500	1.00	
75-25-2	Bromoform	42.0	0.250	0.500	1.00	
74-83-9	Bromomethane	24.4	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	56.9	0.250	0.500	1.00	
78-93-3	2-Butanone	104	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	56.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	55.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	58.6	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	49.7	0.250	0.500	1.00	
108-90-7	Chlorobenzene	55.5	0.250	0.500	1.00	
75-00-3	Chloroethane	59.8	0.500	1.00	2.00	
67-66-3	Chloroform	49.2	0.250	0.500	1.00	
74-87-3	Chloromethane	45.0	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	56.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	56.6	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	45.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	53.2	0.250	0.500	1.00	
74-95-3	Dibromomethane	53.3	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.2	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	55.4	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	54.5	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	49.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	55.8	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.2	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	54.7	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	54.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	57.7	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	57.3	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	54.9	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	50.0	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.9	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.2	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	62.5	0.250	0.500	1.00	
100-41-4	Ethylbenzene	54.0	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	55.5	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G31001-BS1 File ID: 0731LCS1.D

Sampled: Prepared: Analyzed: 07/31/11 09:53

Solids: Preparation: 5030B Dilution:

Batch: 1G31001 Sequence: 1H21502 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	108	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	55.8	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	59.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	52.8	0.500	1.00	2.00	
91-20-3	Naphthalene	51.9	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	102	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	51.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	57.7	0.250	0.500	1.00	
100-42-5	Styrene	55.7	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	56.9	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	47.7	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	50.4	0.250	0.500	1.00	
108-88-3	Toluene	55.9	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	54.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	55.1	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	54.7	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.3	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.7	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	49.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	56.6	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	57.5	0.250	0.500	1.00	
75-01-4	Vinyl chloride	52.5	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	105	0.500	1.00	2.00	
95-47-6	o-Xylene	52.7	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.09	107	75 - 120	
Dibromofluoromethane	30.00	29.97	99.9	85 - 115	
1,2-Dichloroethane-d4	30.00	30.65	102	70 - 120	
Toluene-d8	30.00	32.94	110	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G31001-BSD1 File ID: 0731LCD1.D

Sampled: Prepared: Analyzed: 07/31/11 15:13

Solids: Preparation: 5030B Dilution:

Batch: 1G31001 Sequence: 1H21502 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	91.6	2.50	5.00	10.0	
71-43-2	Benzene	55.5	0.250	0.500	1.00	
108-86-1	Bromobenzene	53.0	0.250	0.500	1.00	
74-97-5	Bromochloromethane	52.8	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	53.1	0.250	0.500	1.00	
75-25-2	Bromoform	41.7	0.250	0.500	1.00	
74-83-9	Bromomethane	13.5	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	53.8	0.250	0.500	1.00	
78-93-3	2-Butanone	110	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	54.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	54.3	0.250	0.500	1.00	
75-15-0	Carbon disulfide	62.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	47.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	54.8	0.250	0.500	1.00	
75-00-3	Chloroethane	58.5	0.500	1.00	2.00	
67-66-3	Chloroform	47.4	0.250	0.500	1.00	
74-87-3	Chloromethane	43.1	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	54.2	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	54.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	46.1	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	44.4	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	53.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	52.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	52.1	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	52.6	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	52.1	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	50.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	55.1	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	49.1	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	59.0	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	55.8	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	55.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	56.4	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	55.1	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	45.6	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	52.6	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	52.7	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	60.9	0.250	0.500	1.00	
100-41-4	Ethylbenzene	53.3	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	47.7	0.250	0.500	1.00	B

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G31001-BSD1 File ID: 0731LCD1.D

Sampled: Prepared: Analyzed: 07/31/11 15:13

Solids: Preparation: 5030B Dilution:

Batch: 1G31001 Sequence: 1H21502 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	115	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	54.3	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	57.0	0.250	0.500	1.00	
75-09-2	Methylene chloride	55.6	0.500	1.00	2.00	
91-20-3	Naphthalene	50.3	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	108	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	50.8	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	55.0	0.250	0.500	1.00	
100-42-5	Styrene	56.6	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	57.5	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	46.4	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	49.7	0.250	0.500	1.00	
108-88-3	Toluene	55.8	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	50.5	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	52.3	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	55.1	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	46.5	0.250	0.500	1.00	
79-01-6	Trichloroethene	50.4	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	48.9	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	50.8	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.7	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	55.2	0.250	0.500	1.00	
75-01-4	Vinyl chloride	47.0	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	104	0.500	1.00	2.00	
95-47-6	o-Xylene	51.9	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.03	107	75 - 120	
Dibromofluoromethane	30.00	30.04	100	85 - 115	
1,2-Dichloroethane-d4	30.00	30.38	101	70 - 120	
Toluene-d8	30.00	33.77	113	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H03003-BLK1 File ID: 0803BLK1.D

Sampled: Prepared: Analyzed: 08/03/11 09:45

Solids: Preparation: 5030B Dilution:

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H03003-BLK1 File ID: 0803BLK1.D

Sampled: Prepared: Analyzed: 08/03/11 09:45

Solids: Preparation: 5030B Dilution:

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.52	105	75 - 120	
Dibromofluoromethane	30.00	30.91	103	85 - 115	
1,2-Dichloroethane-d4	30.00	31.23	104	70 - 120	
Toluene-d8	30.00	31.08	104	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H03003-BS1 File ID: 0803LCS1.D

Sampled: Prepared: Analyzed: 08/03/11 08:26

Solids: Preparation: 5030B Dilution:

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	99.6	2.50	5.00	10.0	
71-43-2	Benzene	54.7	0.250	0.500	1.00	
108-86-1	Bromobenzene	54.3	0.250	0.500	1.00	
74-97-5	Bromochloromethane	56.7	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	59.0	0.250	0.500	1.00	
75-25-2	Bromoform	44.5	0.250	0.500	1.00	
74-83-9	Bromomethane	19.9	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	56.5	0.250	0.500	1.00	
78-93-3	2-Butanone	109	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	54.5	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	53.8	0.250	0.500	1.00	
75-15-0	Carbon disulfide	60.3	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	51.2	0.250	0.500	1.00	
108-90-7	Chlorobenzene	55.6	0.250	0.500	1.00	
75-00-3	Chloroethane	59.0	0.500	1.00	2.00	X
67-66-3	Chloroform	50.8	0.250	0.500	1.00	
74-87-3	Chloromethane	42.4	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	55.9	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	55.9	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	49.2	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	46.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	55.8	0.250	0.500	1.00	
74-95-3	Dibromomethane	55.1	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.9	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	55.1	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	53.9	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	50.5	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	55.3	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	53.3	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	60.3	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	55.9	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	56.4	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	56.7	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	55.5	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	53.1	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.0	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.3	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	63.6	0.250	0.500	1.00	
100-41-4	Ethylbenzene	54.7	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	55.7	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H03003-BS1 File ID: 0803LCS1.D

Sampled: Prepared: Analyzed: 08/03/11 08:26

Solids: Preparation: 5030B Dilution:

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	113	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	56.4	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	57.8	0.250	0.500	1.00	
75-09-2	Methylene chloride	57.2	0.500	1.00	2.00	
91-20-3	Naphthalene	52.9	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	108	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	53.9	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	55.6	0.250	0.500	1.00	
100-42-5	Styrene	56.0	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	56.7	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	49.8	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	53.2	0.250	0.500	1.00	
108-88-3	Toluene	55.9	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	54.3	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	55.2	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	55.8	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	50.4	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.8	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	53.8	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	51.9	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	53.3	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	56.0	0.250	0.500	1.00	
75-01-4	Vinyl chloride	51.6	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	107	0.500	1.00	2.00	
95-47-6	o-Xylene	54.0	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.26	108	75 - 120	
Dibromofluoromethane	30.00	31.02	103	85 - 115	
1,2-Dichloroethane-d4	30.00	30.72	102	70 - 120	
Toluene-d8	30.00	31.72	106	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H03003-BSD1 File ID: 0803LCD1.D

Sampled: Prepared: Analyzed: 08/03/11 19:07

Solids: Preparation: 5030B Dilution:

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	102	2.50	5.00	10.0	
71-43-2	Benzene	56.3	0.250	0.500	1.00	
108-86-1	Bromobenzene	54.8	0.250	0.500	1.00	
74-97-5	Bromochloromethane	55.9	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	56.6	0.250	0.500	1.00	
75-25-2	Bromoform	45.2	0.250	0.500	1.00	
74-83-9	Bromomethane	25.3	0.500	1.00	2.00	Y
104-51-8	n-Butylbenzene	54.3	0.250	0.500	1.00	
78-93-3	2-Butanone	119	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	56.3	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	55.6	0.250	0.500	1.00	
75-15-0	Carbon disulfide	62.8	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	49.5	0.250	0.500	1.00	
108-90-7	Chlorobenzene	57.9	0.250	0.500	1.00	
75-00-3	Chloroethane	59.0	0.500	1.00	2.00	X
67-66-3	Chloroform	49.9	0.250	0.500	1.00	
74-87-3	Chloromethane	43.7	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	56.3	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	56.2	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	48.6	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	48.1	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	57.7	0.250	0.500	1.00	
74-95-3	Dibromomethane	55.5	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	54.3	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	56.0	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	53.8	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	46.7	0.500	1.00	2.00	
75-34-3	1,1-Dichloroethane	56.9	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	51.9	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	60.8	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	55.6	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	57.8	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	58.3	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	57.7	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	42.4	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	53.7	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	54.1	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	62.2	0.250	0.500	1.00	
100-41-4	Ethylbenzene	55.4	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	51.4	0.250	0.500	1.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H03003-BSD1 File ID: 0803LCD1.D

Sampled: Prepared: Analyzed: 08/03/11 19:07

Solids: Preparation: 5030B Dilution:

Batch: 1H03003 Sequence: 1H21601 Calibration: 1197002 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	125	1.25	2.50	5.00	X
98-82-8	Isopropylbenzene	56.6	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	58.2	0.250	0.500	1.00	
75-09-2	Methylene chloride	57.7	0.500	1.00	2.00	
91-20-3	Naphthalene	55.1	0.250	0.500	1.00	
108-10-1	4-Methyl-2-pentanone	116	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	54.3	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	56.2	0.250	0.500	1.00	
100-42-5	Styrene	57.9	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	61.6	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	50.2	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	52.2	0.250	0.500	1.00	
108-88-3	Toluene	56.9	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	54.2	0.250	0.500	1.00	
120-82-1	1,2,4-Trichlorobenzene	54.3	0.250	0.500	1.00	
79-00-5	1,1,2-Trichloroethane	58.5	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	48.8	0.250	0.500	1.00	
79-01-6	Trichloroethene	52.4	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	50.3	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	54.1	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	55.5	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	56.4	0.250	0.500	1.00	
75-01-4	Vinyl chloride	49.4	0.250	0.500	1.00	
108-38-3/106-42-	m,p-Xylene	108	0.500	1.00	2.00	
95-47-6	o-Xylene	54.1	0.250	0.500	1.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.12	107	75 - 120	
Dibromofluoromethane	30.00	30.68	102	85 - 115	
1,2-Dichloroethane-d4	30.00	30.93	103	70 - 120	
Toluene-d8	30.00	33.03	110	85 - 120	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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
GW0207	07/25/11 14:37	07/26/11 09:00	07/28/11 00:00	N/A	14.00	07/28/11 13:00	2.89	14.00	
GW0242	07/25/11 11:00	07/26/11 09:00	07/28/11 00:00	N/A	14.00	07/28/11 13:27	3.06	14.00	
GW8079-TB	07/25/11 08:00	07/26/11 09:00	07/28/11 00:00	N/A	14.00	07/28/11 10:47	3.07	14.00	
GW0174	07/26/11 12:56	07/27/11 09:00	07/28/11 00:00	N/A	14.00	07/28/11 17:28	2.15	14.00	
GW0175	07/26/11 10:27	07/27/11 09:00	07/28/11 00:00	N/A	14.00	07/28/11 17:55	2.27	14.00	
GW0239	07/26/11 12:23	07/27/11 09:00	07/28/11 00:00	N/A	14.00	07/29/11 01:26	2.50	14.00	
GW8080-TB	07/26/11 08:00	07/27/11 09:00	07/28/11 00:00	N/A	14.00	07/28/11 23:40	2.61	14.00	
GW0170	07/27/11 12:46	07/28/11 09:00	07/30/11 00:00	N/A	14.00	07/30/11 14:32	3.03	14.00	
GW0171	07/27/11 12:46	07/28/11 09:00	07/30/11 00:00	N/A	14.00	07/30/11 14:59	3.05	14.00	
GW0237	07/27/11 16:12	07/28/11 09:00	07/30/11 00:00	N/A	14.00	07/30/11 15:26	2.93	14.00	
GW0238	07/27/11 16:12	07/28/11 09:00	07/30/11 00:00	N/A	14.00	07/30/11 15:53	2.95	14.00	
GW8081-TB	07/27/11 08:00	07/28/11 09:00	07/30/11 00:00	N/A	14.00	07/30/11 11:25	3.10	14.00	
GW0145	07/28/11 13:56	07/29/11 09:00	07/30/11 00:00	N/A	14.00	07/31/11 04:18	2.60	14.00	
GW8082-TB	07/28/11 10:48	07/29/11 09:00	07/31/11 00:00	N/A	14.00	07/31/11 12:05	3.05	14.00	
GW0143	07/29/11 13:58	07/30/11 11:00	08/03/11 00:00	N/A	14.00	08/03/11 13:19	4.93	14.00	
GW0150	07/29/11 14:40	07/30/11 11:00	08/03/11 00:00	N/A	14.00	08/03/11 13:46	4.92	14.00	
GW0233	07/29/11 10:37	07/30/11 11:00	08/03/11 00:00	N/A	14.00	08/03/11 14:13	5.11	14.00	
GW0241	07/29/11 11:37	07/30/11 11:00	08/03/11 00:00	N/A	14.00	08/03/11 14:39	5.08	14.00	
GW8083-TB	07/29/11 08:00	07/30/11 11:00	08/03/11 00:00	N/A	14.00	08/03/11 10:11	5.09	14.00	

Data for SW8270C Forms

ANALYSIS DATA SHEET

GW0207

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-01	File ID:	0720901.D
Sampled:	07/25/11 14:37	Prepared:	07/28/11 15:00	Analyzed:	08/03/11 14:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 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	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	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	Y, U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	Y, U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, Y, 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	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	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	Y, 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		12.5	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0207

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-01	File ID:	0720901.D
Sampled:	07/25/11 14:37	Prepared:	07/28/11 15:00	Analyzed:	08/03/11 14:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 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	2.69	1.25	2.50	5.00	J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	Y, U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	Q, U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.68	77.4	50 - 110	
2-Fluorophenol	100.0	28.96	29.0	20 - 110	
Nitrobenzene-d5	50.00	37.77	75.5	40 - 110	
Phenol-d6	100.0	18.20	18.2	10 - 110	
Terphenyl-d14	50.00	53.56	107	50 - 135	
2,4,6-Tribromophenol	100.0	76.62	76.6	40 - 125	

ANALYSIS DATA SHEET

GW0242

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-03	File ID:	0720903.D
Sampled:	07/25/11 11:00	Prepared:	07/28/11 15:00	Analyzed:	08/03/11 15:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	Y, U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	Y, U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, Y, 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	Y, 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	Y, 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
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		12.0	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0242

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-03	File ID:	0720903.D
Sampled:	07/25/11 11:00	Prepared:	07/28/11 15:00	Analyzed:	08/03/11 15:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.28	1.20	2.40	4.81	J, B
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	Y, U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	Q, 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	37.78	78.6	50 - 110	
2-Fluorophenol	96.15	28.42	29.6	20 - 110	
Nitrobenzene-d5	48.08	36.61	76.1	40 - 110	
Phenol-d6	96.15	16.41	17.1	10 - 110	
Terphenyl-d14	48.08	42.69	88.8	50 - 135	
2,4,6-Tribromophenol	96.15	49.86	51.9	40 - 125	

ANALYSIS DATA SHEET

GW0174

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-01	File ID:	0722401.D
Sampled:	07/26/11 12:56	Prepared:	07/28/11 15:00	Analyzed:	08/03/11 22:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	U
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	24.0	48.1	U
56-55-3	Benzo(a)anthracene		1.20	2.40	4.81	U
50-32-8	Benzo(a)pyrene		1.20	2.40	4.81	U
205-99-2	Benzo(b)fluoranthene		1.20	2.40	4.81	U
191-24-2	Benzo(g,h,i)perylene		1.20	2.40	4.81	U
65-85-0	Benzoic acid		12.0	24.0	48.1	Y, U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	Y, U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	Q, Y, 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	Y, 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	Y, 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
120-83-2	2,4-Dichlorophenol		1.20	2.40	4.81	U
84-66-2	Diethylphthalate		1.20	2.40	4.81	U
105-67-9	2,4-Dimethylphenol		4.81	9.62	19.2	U
131-11-3	Dimethyl phthalate		1.20	2.40	4.81	U
534-52-1	4,6-Dinitro-2-methylphenol		4.81	9.62	19.2	U
51-28-5	2,4-Dinitrophenol		12.0	24.0	48.1	U
121-14-2	2,4-Dinitrotoluene		1.20	2.40	4.81	U
606-20-2	2,6-Dinitrotoluene		1.20	2.40	4.81	U
117-84-0	Di-n-octylphthalate		1.20	2.40	4.81	U

ANALYSIS DATA SHEET

GW0174

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-01	File ID:	0722401.D
Sampled:	07/26/11 12:56	Prepared:	07/28/11 15:00	Analyzed:	08/03/11 22:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.17	1.20	2.40	4.81	J, B
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	2.40	4.81	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	Y, U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	Q, 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	37.41	77.8	50 - 110	
2-Fluorophenol	96.15	28.81	30.0	20 - 110	
Nitrobenzene-d5	48.08	37.70	78.4	40 - 110	
Phenol-d6	96.15	15.95	16.6	10 - 110	
Terphenyl-d14	48.08	50.17	104	50 - 135	
2,4,6-Tribromophenol	96.15	21.08	21.9	40 - 125	*

ANALYSIS DATA SHEET

GW0175

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-03	File ID:	0722403.D
Sampled:	07/26/11 10:27	Prepared:	07/28/11 15:00	Analyzed:	08/14/11 06:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H22707 Calibration: 1122001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0175

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-03	File ID:	0722403.D
Sampled:	07/26/11 10:27	Prepared:	07/28/11 15:00	Analyzed:	08/14/11 06:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H22707 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.39	2.78	5.56	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.98	1.39	2.78	5.56	X, J, B
206-44-0	Fluoranthene		1.39	2.78	5.56	U
86-73-7	Fluorene		1.39	2.78	5.56	U
118-74-1	Hexachlorobenzene		1.39	2.78	5.56	U
87-68-3	Hexachlorobutadiene		1.39	2.78	5.56	Y, U
77-47-4	Hexachlorocyclopentadiene		1.39	2.78	5.56	U
67-72-1	Hexachloroethane		1.39	2.78	5.56	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.39	2.78	5.56	U
78-59-1	Isophorone		1.39	2.78	5.56	U
90-12-0	1-Methylnaphthalene		1.39	2.78	5.56	U
91-57-6	2-Methylnaphthalene		1.39	2.78	5.56	U
95-48-7	2-Methylphenol		1.39	2.78	5.56	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.39	2.78	5.56	X, U
100-01-6	4-Nitroaniline		5.56	11.1	22.2	Q, U
99-09-2	3-Nitroaniline		5.56	11.1	22.2	U
88-74-4	2-Nitroaniline		5.56	11.1	22.2	U
98-95-3	Nitrobenzene		1.39	2.78	5.56	U
100-02-7	4-Nitrophenol		5.56	11.1	22.2	U
88-75-5	2-Nitrophenol		1.39	2.78	5.56	U
86-30-6	N-Nitrosodiphenylamine		1.39	2.78	5.56	U
621-64-7	N-Nitroso-di-n-propylamine		1.39	2.78	5.56	U
87-86-5	Pentachlorophenol		5.56	11.1	22.2	U
85-01-8	Phenanthrene		1.39	2.78	5.56	U
108-95-2	Phenol		1.39	2.78	5.56	U
129-00-0	Pyrene		1.39	2.78	5.56	X, U
88-06-2	2,4,6-Trichlorophenol		1.39	2.78	5.56	U
95-95-4	2,4,5-Trichlorophenol		1.39	2.78	5.56	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	42.43	76.4	50 - 110	
2-Fluorophenol	111.1	29.63	26.7	20 - 110	
Nitrobenzene-d5	55.56	35.87	64.6	40 - 110	
Phenol-d6	111.1	17.80	16.0	0 - 110	
Terphenyl-d14	55.56	60.13	108	50 - 135	X
2,4,6-Tribromophenol	111.1	91.59	82.4	40 - 125	

ANALYSIS DATA SHEET

GW0239

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-05	File ID:	0722405.D
Sampled:	07/26/11 12:23	Prepared:	07/28/11 15:00	Analyzed:	08/14/11 09:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H22708 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	X, U
105-60-2	Caprolactam	1.26	1.25	2.50	5.00	Q, J, B
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

GW0239

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-05	File ID:	0722405.D
Sampled:	07/26/11 12:23	Prepared:	07/28/11 15:00	Analyzed:	08/14/11 09:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G28008 Sequence: 1H22708 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	6.55	1.25	2.50	5.00	X, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	Q, U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	X, U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.03	78.1	50 - 110	
2-Fluorophenol	100.0	28.50	28.5	20 - 110	
Nitrobenzene-d5	50.00	34.30	68.6	40 - 110	
Phenol-d6	100.0	15.63	15.6	0 - 110	
Terphenyl-d14	50.00	45.46	90.9	50 - 135	
2,4,6-Tribromophenol	100.0	83.21	83.2	40 - 125	

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-01	File ID:	0723701.D
Sampled:	07/27/11 12:46	Prepared:	07/29/11 12:47	Analyzed:	08/01/11 20:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29004 Sequence: 1H21402 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	X, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, X, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	X, U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-01	File ID:	0723701.D
Sampled:	07/27/11 12:46	Prepared:	07/29/11 12:47	Analyzed:	08/01/11 20:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29004 Sequence: 1H21402 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.97	1.25	2.50	5.00	Q, X, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	Y, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.35	78.7	50 - 110	
2-Fluorophenol	100.0	29.93	29.9	20 - 110	
Nitrobenzene-d5	50.00	36.47	72.9	40 - 110	
Phenol-d6	100.0	14.59	14.6	10 - 110	
Terphenyl-d14	50.00	59.69	119	50 - 135	
2,4,6-Tribromophenol	100.0	90.82	90.8	40 - 125	

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-03	File ID:	0723703.D
Sampled:	07/27/11 12:46	Prepared:	07/29/11 12:47	Analyzed:	08/01/11 20:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29004 Sequence: 1H21402 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	X, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, X, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	X, U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-03	File ID:	0723703.D
Sampled:	07/27/11 12:46	Prepared:	07/29/11 12:47	Analyzed:	08/01/11 20:44
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29004 Sequence: 1H21402 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.16	1.25	2.50	5.00	Q, X, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	Y, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	33.18	66.4	50 - 110	
2-Fluorophenol	100.0	28.38	28.4	20 - 110	
Nitrobenzene-d5	50.00	33.84	67.7	40 - 110	
Phenol-d6	100.0	13.10	13.1	10 - 110	
Terphenyl-d14	50.00	57.99	116	50 - 135	
2,4,6-Tribromophenol	100.0	91.78	91.8	40 - 125	

ANALYSIS DATA SHEET

GW0237

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-05	File ID:	0723705.D
Sampled:	07/27/11 16:12	Prepared:	07/29/11 12:47	Analyzed:	08/01/11 21:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29004 Sequence: 1H21402 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	X, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, X, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	X, U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

GW0237

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-05	File ID:	0723705.D
Sampled:	07/27/11 16:12	Prepared:	07/29/11 12:47	Analyzed:	08/01/11 21:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29004 Sequence: 1H21402 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	4.33	1.25	2.50	5.00	Q, X, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	Y, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.09	76.2	50 - 110	
2-Fluorophenol	100.0	29.84	29.8	20 - 110	
Nitrobenzene-d5	50.00	35.70	71.4	40 - 110	
Phenol-d6	100.0	13.67	13.7	10 - 110	
Terphenyl-d14	50.00	57.50	115	50 - 135	
2,4,6-Tribromophenol	100.0	94.11	94.1	40 - 125	

ANALYSIS DATA SHEET

GW0238

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-07	File ID:	0723707.D
Sampled:	07/27/11 16:12	Prepared:	07/29/11 12:47	Analyzed:	08/01/11 21:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29004 Sequence: 1H21402 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	X, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, X, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	X, U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

GW0238

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-07	File ID:	0723707.D
Sampled:	07/27/11 16:12	Prepared:	07/29/11 12:47	Analyzed:	08/01/11 21:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29004 Sequence: 1H21402 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	3.34	1.25	2.50	5.00	Q, X, J, B
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	Y, U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.10	72.2	50 - 110	
2-Fluorophenol	100.0	27.72	27.7	20 - 110	
Nitrobenzene-d5	50.00	33.39	66.8	40 - 110	
Phenol-d6	100.0	12.34	12.3	10 - 110	
Terphenyl-d14	50.00	55.08	110	50 - 135	
2,4,6-Tribromophenol	100.0	85.70	85.7	40 - 125	

ANALYSIS DATA SHEET

GW0145

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-01	File ID:	0725101.D
Sampled:	07/28/11 13:56	Prepared:	08/03/11 14:03	Analyzed:	08/10/11 12:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	Y, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	N, X, U
105-60-2	Caprolactam		1.25	2.50	5.00	N, 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	N, 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	N, 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	N, 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	N, U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	N, 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	N, U

ANALYSIS DATA SHEET

GW0145

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-01	File ID:	0725101.D
Sampled:	07/28/11 13:56	Prepared:	08/03/11 14:03	Analyzed:	08/10/11 12:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	N, 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
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	N, 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	N, 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	N, U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	N, U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	32.45	64.9	50 - 110	
2-Fluorophenol	100.0	33.40	33.4	20 - 110	
Nitrobenzene-d5	50.00	33.70	67.4	40 - 110	
Phenol-d6	100.0	18.33	18.3	0 - 110	
Terphenyl-d14	50.00	49.36	98.7	50 - 135	
2,4,6-Tribromophenol	100.0	85.10	85.1	40 - 125	

ANALYSIS DATA SHEET

GW0143

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-01	File ID:	0800401.D
Sampled:	07/29/11 13:58	Prepared:	08/03/11 14:03	Analyzed:	08/10/11 13:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	Y, U
100-52-7	Benzaldehyde		1.25	2.50	5.00	Y, U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	X, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0143

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-01	File ID:	0800401.D
Sampled:	07/29/11 13:58	Prepared:	08/03/11 14:03	Analyzed:	08/10/11 13:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.40	1.25	2.50	5.00	X, J
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	31.94	63.9	50 - 110	
2-Fluorophenol	100.0	30.48	30.5	20 - 110	
Nitrobenzene-d5	50.00	34.06	68.1	40 - 110	
Phenol-d6	100.0	17.88	17.9	0 - 110	
Terphenyl-d14	50.00	48.31	96.6	50 - 135	
2,4,6-Tribromophenol	100.0	86.89	86.9	40 - 125	

ANALYSIS DATA SHEET

GW0150

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-03	File ID:	0800403.D
Sampled:	07/29/11 14:40	Prepared:	08/03/11 14:03	Analyzed:	08/10/11 13:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0150

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-03	File ID:	0800403.D
Sampled:	07/29/11 14:40	Prepared:	08/03/11 14:03	Analyzed:	08/10/11 13:55
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.39	2.78	5.56	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.07	1.39	2.78	5.56	X, J
206-44-0	Fluoranthene		1.39	2.78	5.56	U
86-73-7	Fluorene		1.39	2.78	5.56	U
118-74-1	Hexachlorobenzene		1.39	2.78	5.56	U
87-68-3	Hexachlorobutadiene		1.39	2.78	5.56	U
77-47-4	Hexachlorocyclopentadiene		1.39	2.78	5.56	U
67-72-1	Hexachloroethane		1.39	2.78	5.56	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.39	2.78	5.56	U
78-59-1	Isophorone		1.39	2.78	5.56	U
90-12-0	1-Methylnaphthalene		1.39	2.78	5.56	U
91-57-6	2-Methylnaphthalene		1.39	2.78	5.56	U
95-48-7	2-Methylphenol		1.39	2.78	5.56	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.39	2.78	5.56	U
100-01-6	4-Nitroaniline		5.56	11.1	22.2	U
99-09-2	3-Nitroaniline		5.56	11.1	22.2	U
88-74-4	2-Nitroaniline		5.56	11.1	22.2	U
98-95-3	Nitrobenzene		1.39	2.78	5.56	U
100-02-7	4-Nitrophenol		5.56	11.1	22.2	U
88-75-5	2-Nitrophenol		1.39	2.78	5.56	U
86-30-6	N-Nitrosodiphenylamine		1.39	2.78	5.56	U
621-64-7	N-Nitroso-di-n-propylamine		1.39	2.78	5.56	U
87-86-5	Pentachlorophenol		5.56	11.1	22.2	U
85-01-8	Phenanthrene		1.39	2.78	5.56	U
108-95-2	Phenol		1.39	2.78	5.56	U
129-00-0	Pyrene		1.39	2.78	5.56	U
88-06-2	2,4,6-Trichlorophenol		1.39	2.78	5.56	U
95-95-4	2,4,5-Trichlorophenol		1.39	2.78	5.56	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	31.67	57.0	50 - 110	
2-Fluorophenol	111.1	37.42	33.7	20 - 110	
Nitrobenzene-d5	55.56	37.89	68.2	40 - 110	
Phenol-d6	111.1	21.99	19.8	0 - 110	
Terphenyl-d14	55.56	52.94	95.3	50 - 135	
2,4,6-Tribromophenol	111.1	82.46	74.2	40 - 125	

ANALYSIS DATA SHEET

GW0233

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-05	File ID:	0800405.D
Sampled:	07/29/11 10:37	Prepared:	08/03/11 14:03	Analyzed:	08/10/11 14:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0233

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-05	File ID:	0800405.D
Sampled:	07/29/11 10:37	Prepared:	08/03/11 14:03	Analyzed:	08/10/11 14:37
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.39	2.78	5.56	U
117-81-7	Bis(2-ethylhexyl)phthalate	3.35	1.39	2.78	5.56	X, J
206-44-0	Fluoranthene		1.39	2.78	5.56	U
86-73-7	Fluorene		1.39	2.78	5.56	U
118-74-1	Hexachlorobenzene		1.39	2.78	5.56	U
87-68-3	Hexachlorobutadiene		1.39	2.78	5.56	U
77-47-4	Hexachlorocyclopentadiene		1.39	2.78	5.56	U
67-72-1	Hexachloroethane		1.39	2.78	5.56	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.39	2.78	5.56	U
78-59-1	Isophorone		1.39	2.78	5.56	U
90-12-0	1-Methylnaphthalene		1.39	2.78	5.56	U
91-57-6	2-Methylnaphthalene		1.39	2.78	5.56	U
95-48-7	2-Methylphenol		1.39	2.78	5.56	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.39	2.78	5.56	U
100-01-6	4-Nitroaniline		5.56	11.1	22.2	U
99-09-2	3-Nitroaniline		5.56	11.1	22.2	U
88-74-4	2-Nitroaniline		5.56	11.1	22.2	U
98-95-3	Nitrobenzene		1.39	2.78	5.56	U
100-02-7	4-Nitrophenol		5.56	11.1	22.2	U
88-75-5	2-Nitrophenol		1.39	2.78	5.56	U
86-30-6	N-Nitrosodiphenylamine		1.39	2.78	5.56	U
621-64-7	N-Nitroso-di-n-propylamine		1.39	2.78	5.56	U
87-86-5	Pentachlorophenol		5.56	11.1	22.2	U
85-01-8	Phenanthrene		1.39	2.78	5.56	U
108-95-2	Phenol		1.39	2.78	5.56	U
129-00-0	Pyrene		1.39	2.78	5.56	U
88-06-2	2,4,6-Trichlorophenol		1.39	2.78	5.56	U
95-95-4	2,4,5-Trichlorophenol		1.39	2.78	5.56	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	36.24	65.2	50 - 110	
2-Fluorophenol	111.1	38.18	34.4	20 - 110	
Nitrobenzene-d5	55.56	38.75	69.7	40 - 110	
Phenol-d6	111.1	22.38	20.1	0 - 110	
Terphenyl-d14	55.56	52.40	94.3	50 - 135	
2,4,6-Tribromophenol	111.1	74.94	67.4	40 - 125	

ANALYSIS DATA SHEET

GW0241

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-07	File ID:	0800407.D
Sampled:	07/29/11 11:37	Prepared:	08/03/11 14:03	Analyzed:	08/14/11 11:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22708 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	24.5	49.0	X, 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	X, U
105-60-2	Caprolactam		1.23	2.45	4.90	Q, U
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	U
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	U
51-28-5	2,4-Dinitrophenol		12.3	24.5	49.0	X, U
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	X, U

ANALYSIS DATA SHEET

GW0241

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-07	File ID:	0800407.D
Sampled:	07/29/11 11:37	Prepared:	08/03/11 14:03	Analyzed:	08/14/11 11:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H01006 Sequence: 1H22708 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.23	2.45	4.90	U
117-81-7	Bis(2-ethylhexyl)phthalate	1.81	1.23	2.45	4.90	X, J
206-44-0	Fluoranthene		1.23	2.45	4.90	U
86-73-7	Fluorene		1.23	2.45	4.90	U
118-74-1	Hexachlorobenzene		1.23	2.45	4.90	U
87-68-3	Hexachlorobutadiene		1.23	2.45	4.90	U
77-47-4	Hexachlorocyclopentadiene		1.23	2.45	4.90	U
67-72-1	Hexachloroethane		1.23	2.45	4.90	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.23	2.45	4.90	U
78-59-1	Isophorone		1.23	2.45	4.90	U
90-12-0	1-Methylnaphthalene		1.23	2.45	4.90	U
91-57-6	2-Methylnaphthalene		1.23	2.45	4.90	U
95-48-7	2-Methylphenol		1.23	2.45	4.90	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.23	2.45	4.90	U
100-01-6	4-Nitroaniline		4.90	9.80	19.6	U
99-09-2	3-Nitroaniline		4.90	9.80	19.6	U
88-74-4	2-Nitroaniline		4.90	9.80	19.6	U
98-95-3	Nitrobenzene		1.23	2.45	4.90	U
100-02-7	4-Nitrophenol		4.90	9.80	19.6	U
88-75-5	2-Nitrophenol		1.23	2.45	4.90	U
86-30-6	N-Nitrosodiphenylamine		1.23	2.45	4.90	U
621-64-7	N-Nitroso-di-n-propylamine		1.23	2.45	4.90	U
87-86-5	Pentachlorophenol		4.90	9.80	19.6	U
85-01-8	Phenanthrene		1.23	2.45	4.90	U
108-95-2	Phenol		1.23	2.45	4.90	U
129-00-0	Pyrene		1.23	2.45	4.90	X, U
88-06-2	2,4,6-Trichlorophenol		1.23	2.45	4.90	U
95-95-4	2,4,5-Trichlorophenol		1.23	2.45	4.90	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	23.94	48.8	50 - 110	*
2-Fluorophenol	98.04	25.02	25.5	20 - 110	
Nitrobenzene-d5	49.02	26.84	54.7	40 - 110	
Phenol-d6	98.04	16.50	16.8	0 - 110	
Terphenyl-d14	49.02	37.92	77.4	50 - 135	
2,4,6-Tribromophenol	98.04	40.01	40.8	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1B03208	Instrument:	MS-BNA1
		Calibration:	1203001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (1B03208-ICV1) ug/mL				Lab File ID: SEQ-ICV1.D		Analyzed: 01/26/11 23:17		
2-Fluorobiphenyl	50.00	112	80 - 120	8.968		8.9680	+/-0.500	*
2-Fluorophenol	100.0	114	80 - 120	4.742		4.7420	+/-0.500	*
Nitrobenzene-d5	50.00	103	80 - 120	6.813		6.8130	+/-0.500	*
Terphenyl-d14	50.00	90.8	80 - 120	13.562		13.5620	+/-0.500	*
2,4,6-Tribromophenol	100.0	119	80 - 120	10.749		10.7490	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12203	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Initial Cal Check (1E12203-ICV1) ug/mL				Lab File ID: SEQ-ICV1.D		Analyzed: 04/30/11 15:07		
2-Fluorobiphenyl	50.00	108	80 - 120	9.41		9.4100	+/-0.500	*
2-Fluorophenol	100.0	115	80 - 120	4.741		4.7410	+/-0.500	*
Nitrobenzene-d5	50.00	112	80 - 120	7.107		7.1070	+/-0.500	*
Terphenyl-d14	50.00	110	80 - 120	14.389		14.3890	+/-0.500	*
2,4,6-Tribromophenol	100.0	109	80 - 120	11.237		11.2370	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21312	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21312-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 07/31/11 20:10		
2-Fluorobiphenyl	50.00	106	80 - 120	8.145	8.145	0.0000	+/-0.500	
2-Fluorophenol	100.0	98.6	80 - 120	3.481	3.481	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	90.8	80 - 120	5.821	5.821	0.0000	+/-0.500	
Phenol-d6	100.0	94.7	80 - 120	4.667	4.667	0.0000	+/-0.500	
Terphenyl-d14	50.00	115	80 - 120	12.803	12.803	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	98.5	80 - 120	9.94	9.94	0.0000	+/-0.500	
Blank (1G29004-BLK1) ug/L				Lab File ID: G29004B1.D		Analyzed: 07/31/11 21:51		
2-Fluorobiphenyl	50.00	70.1	50 - 110	8.142	8.145	-0.0030	+/-0.500	
2-Fluorophenol	100.0	32.2	20 - 110	3.473	3.481	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	64.7	40 - 110	5.808	5.821	-0.0130	+/-0.500	
Phenol-d6	100.0	18.5	10 - 110	4.638	4.667	-0.0290	+/-0.500	
Terphenyl-d14	50.00	112	50 - 135	12.801	12.803	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	88.8	40 - 125	9.927	9.94	-0.0130	+/-0.500	
LCS (1G29004-BS1) ug/L				Lab File ID: G29004L1.D		Analyzed: 07/31/11 23:33		
2-Fluorobiphenyl	50.00	67.2	50 - 110	8.147	8.145	0.0020	+/-0.500	
2-Fluorophenol	100.0	33.1	20 - 110	3.484	3.481	0.0030	+/-0.500	
Nitrobenzene-d5	50.00	65.6	40 - 110	5.818	5.821	-0.0030	+/-0.500	
Phenol-d6	100.0	18.9	10 - 110	4.654	4.667	-0.0130	+/-0.500	
Terphenyl-d14	50.00	98.4	50 - 135	12.8	12.803	-0.0030	+/-0.500	
2,4,6-Tribromophenol	100.0	59.5	40 - 125	9.937	9.94	-0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21402	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21402-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/01/11 11:57		
2-Fluorobiphenyl	50.00	107	80 - 120	8.148	8.148	0.0000	+/-0.500	
2-Fluorophenol	100.0	97.7	80 - 120	3.49	3.49	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	91.1	80 - 120	5.819	5.819	0.0000	+/-0.500	
Phenol-d6	100.0	94.8	80 - 120	4.676	4.676	0.0000	+/-0.500	
Terphenyl-d14	50.00	116	80 - 120	12.801	12.801	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	98.2	80 - 120	9.938	9.938	0.0000	+/-0.500	
GW0170 (1107237-01) ug/L				Lab File ID: 0723701.D		Analyzed: 08/01/11 20:11		
2-Fluorobiphenyl	50.00	78.7	50 - 110	8.148	8.148	0.0000	+/-0.500	
2-Fluorophenol	100.0	29.9	20 - 110	3.49	3.49	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	72.9	40 - 110	5.813	5.819	-0.0060	+/-0.500	
Phenol-d6	100.0	14.6	10 - 110	4.67	4.676	-0.0060	+/-0.500	
Terphenyl-d14	50.00	119	50 - 135	12.812	12.801	0.0110	+/-0.500	
2,4,6-Tribromophenol	100.0	90.8	40 - 125	9.937	9.938	-0.0010	+/-0.500	
GW0171 (1107237-03) ug/L				Lab File ID: 0723703.D		Analyzed: 08/01/11 20:44		
2-Fluorobiphenyl	50.00	66.4	50 - 110	8.152	8.148	0.0040	+/-0.500	
2-Fluorophenol	100.0	28.4	20 - 110	3.494	3.49	0.0040	+/-0.500	
Nitrobenzene-d5	50.00	67.7	40 - 110	5.818	5.819	-0.0010	+/-0.500	
Phenol-d6	100.0	13.1	10 - 110	4.675	4.676	-0.0010	+/-0.500	
Terphenyl-d14	50.00	116	50 - 135	12.811	12.801	0.0100	+/-0.500	
2,4,6-Tribromophenol	100.0	91.8	40 - 125	9.942	9.938	0.0040	+/-0.500	
GW0237 (1107237-05) ug/L				Lab File ID: 0723705.D		Analyzed: 08/01/11 21:19		
2-Fluorobiphenyl	50.00	76.2	50 - 110	8.152	8.148	0.0040	+/-0.500	
2-Fluorophenol	100.0	29.8	20 - 110	3.488	3.49	-0.0020	+/-0.500	
Nitrobenzene-d5	50.00	71.4	40 - 110	5.817	5.819	-0.0020	+/-0.500	
Phenol-d6	100.0	13.7	10 - 110	4.669	4.676	-0.0070	+/-0.500	
Terphenyl-d14	50.00	115	50 - 135	12.815	12.801	0.0140	+/-0.500	
2,4,6-Tribromophenol	100.0	94.1	40 - 125	9.941	9.938	0.0030	+/-0.500	
GW0238 (1107237-07) ug/L				Lab File ID: 0723707.D		Analyzed: 08/01/11 21:52		
2-Fluorobiphenyl	50.00	72.2	50 - 110	8.144	8.148	-0.0040	+/-0.500	
2-Fluorophenol	100.0	27.7	20 - 110	3.491	3.49	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	66.8	40 - 110	5.814	5.819	-0.0050	+/-0.500	
Phenol-d6	100.0	12.3	10 - 110	4.666	4.676	-0.0100	+/-0.500	
Terphenyl-d14	50.00	110	50 - 135	12.807	12.801	0.0060	+/-0.500	
2,4,6-Tribromophenol	100.0	85.7	40 - 125	9.939	9.938	0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21605	Instrument:	MS-BNA1
		Calibration:	1203001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21605-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/03/11 10:48		
2-Fluorobiphenyl	50.00	94.0	80 - 120	8.915	8.915	0.0000	+/-0.500	
2-Fluorophenol	100.0	89.3	80 - 120	4.301	4.301	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	86.9	80 - 120	6.629	6.629	0.0000	+/-0.500	
Phenol-d6	100.0	80.6	80 - 120	5.479	5.479	0.0000	+/-0.500	
Terphenyl-d14	50.00	102	80 - 120	13.658	13.658	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	86.0	80 - 120	10.729	10.729	0.0000	+/-0.500	
LCS (1G28008-BS1) ug/L				Lab File ID: G28008L1.D		Analyzed: 08/03/11 11:21		
2-Fluorobiphenyl	50.00	59.0	50 - 110	8.919	8.915	0.0040	+/-0.500	
2-Fluorophenol	100.0	43.5	20 - 110	4.302	4.301	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	84.4	40 - 110	6.622	6.629	-0.0070	+/-0.500	
Phenol-d6	100.0	23.7	10 - 110	5.471	5.479	-0.0080	+/-0.500	
Terphenyl-d14	50.00	102	50 - 135	13.657	13.658	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	93.3	40 - 125	10.728	10.729	-0.0010	+/-0.500	
Blank (1G28008-BLK1) ug/L				Lab File ID: G28008B1.D		Analyzed: 08/03/11 11:54		
2-Fluorobiphenyl	50.00	72.7	50 - 110	8.916	8.915	0.0010	+/-0.500	
2-Fluorophenol	100.0	37.7	20 - 110	4.295	4.301	-0.0060	+/-0.500	
Nitrobenzene-d5	50.00	88.9	40 - 110	6.623	6.629	-0.0060	+/-0.500	
Phenol-d6	100.0	20.4	10 - 110	5.463	5.479	-0.0160	+/-0.500	
Terphenyl-d14	50.00	110	50 - 135	13.658	13.658	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	82.1	40 - 125	10.725	10.729	-0.0040	+/-0.500	
GW0207 (1107209-01) ug/L				Lab File ID: 0720901.D		Analyzed: 08/03/11 14:39		
2-Fluorobiphenyl	50.00	77.4	50 - 110	8.915	8.915	0.0000	+/-0.500	
2-Fluorophenol	100.0	29.0	20 - 110	4.3	4.301	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	75.5	40 - 110	6.626	6.629	-0.0030	+/-0.500	
Phenol-d6	100.0	18.2	10 - 110	5.468	5.479	-0.0110	+/-0.500	
Terphenyl-d14	50.00	107	50 - 135	13.666	13.658	0.0080	+/-0.500	
2,4,6-Tribromophenol	100.0	76.6	40 - 125	10.729	10.729	0.0000	+/-0.500	
GW0242 (1107209-03) ug/L				Lab File ID: 0720903.D		Analyzed: 08/03/11 15:12		
2-Fluorobiphenyl	48.08	78.6	50 - 110	8.917	8.915	0.0020	+/-0.500	
2-Fluorophenol	96.15	29.6	20 - 110	4.298	4.301	-0.0030	+/-0.500	
Nitrobenzene-d5	48.08	76.1	40 - 110	6.628	6.629	-0.0010	+/-0.500	
Phenol-d6	96.15	17.1	10 - 110	5.469	5.479	-0.0100	+/-0.500	
Terphenyl-d14	48.08	88.8	50 - 135	13.662	13.658	0.0040	+/-0.500	
2,4,6-Tribromophenol	96.15	51.9	40 - 125	10.722	10.729	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21605	Instrument:	MS-BNA1
		Calibration:	1203001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0174 (1107224-01) ug/L				Lab File ID: 0722401.D		Analyzed: 08/03/11 22:19		
2-Fluorobiphenyl	48.08	77.8	50 - 110	8.918	8.915	0.0030	+/-0.500	
2-Fluorophenol	96.15	30.0	20 - 110	4.301	4.301	0.0000	+/-0.500	
Nitrobenzene-d5	48.08	78.4	40 - 110	6.618	6.629	-0.0110	+/-0.500	
Phenol-d6	96.15	16.6	10 - 110	5.469	5.479	-0.0100	+/-0.500	
Terphenyl-d14	48.08	104	50 - 135	13.66	13.658	0.0020	+/-0.500	
2,4,6-Tribromophenol	96.15	21.9	40 - 125	10.726	10.729	-0.0030	+/-0.500	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21707	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21707-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/04/11 20:22		
2-Fluorobiphenyl	50.00	101	80 - 120	8.103	8.103	0.0000	+/-0.500	
2-Fluorophenol	100.0	93.0	80 - 120	3.429	3.429	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	80.5	80 - 120	5.769	5.769	0.0000	+/-0.500	
Phenol-d6	100.0	89.2	80 - 120	4.615	4.615	0.0000	+/-0.500	
Terphenyl-d14	50.00	113	80 - 120	12.751	12.751	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	89.9	80 - 120	9.893	9.893	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21802	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21802-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/05/11 15:55		
2-Fluorobiphenyl	50.00	103	80 - 120	8.076	8.076	0.0000	+/-0.500	
2-Fluorophenol	100.0	90.8	80 - 120	3.407	3.407	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	93.5	80 - 120	5.747	5.747	0.0000	+/-0.500	
Phenol-d6	100.0	92.0	80 - 120	4.593	4.593	0.0000	+/-0.500	
Terphenyl-d14	50.00	107	80 - 120	12.718	12.718	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	87.7	80 - 120	9.865	9.865	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22312	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22312-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/10/11 22:06		
2-Fluorobiphenyl	50.00	106	80 - 120	10.903	10.903	0.0000	+/-0.500	
2-Fluorophenol	100.0	102	80 - 120	6.272	6.272	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	87.6	80 - 120	8.628	8.628	0.0000	+/-0.500	
Phenol-d6	100.0	99.1	80 - 120	7.404	7.404	0.0000	+/-0.500	
Terphenyl-d14	50.00	113	80 - 120	16.165	16.165	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	85.4	80 - 120	12.752	12.752	0.0000	+/-0.500	
Blank (1H01006-BLK1) ug/L				Lab File ID: H01006B1.D		Analyzed: 08/11/11 01:01		
2-Fluorobiphenyl	50.00	53.8	50 - 110	10.887	10.903	-0.0160	+/-0.500	
2-Fluorophenol	100.0	29.8	20 - 110	6.256	6.272	-0.0160	+/-0.500	
Nitrobenzene-d5	50.00	57.8	40 - 110	8.611	8.628	-0.0170	+/-0.500	
Phenol-d6	100.0	16.7	0 - 110	7.372	7.404	-0.0320	+/-0.500	
Terphenyl-d14	50.00	87.3	50 - 135	16.149	16.165	-0.0160	+/-0.500	
2,4,6-Tribromophenol	100.0	69.0	40 - 125	12.73	12.752	-0.0220	+/-0.500	
Matrix Spike (1H01006-MS2) ug/L				Lab File ID: 0725101M.D		Analyzed: 08/11/11 09:15		
2-Fluorobiphenyl	49.02	76.1	50 - 110	10.896	10.903	-0.0070	+/-0.500	
2-Fluorophenol	98.04	35.8	20 - 110	6.27	6.272	-0.0020	+/-0.500	
Nitrobenzene-d5	49.02	74.4	40 - 110	8.625	8.628	-0.0030	+/-0.500	
Phenol-d6	98.04	20.9	0 - 110	7.391	7.404	-0.0130	+/-0.500	
Terphenyl-d14	49.02	94.1	50 - 135	16.158	16.165	-0.0070	+/-0.500	
2,4,6-Tribromophenol	98.04	59.8	40 - 125	12.744	12.752	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22413	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22413-CCV1) ug/mL				Lab File ID: SEQ-CCV3.D		Analyzed: 08/10/11 03:45		
2-Fluorobiphenyl	50.00	103	80 - 120	10.928	10.928	0.0000	+/-0.500	
2-Fluorophenol	100.0	94.9	80 - 120	6.296	6.296	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	89.5	80 - 120	8.652	8.652	0.0000	+/-0.500	
Phenol-d6	100.0	91.5	80 - 120	7.429	7.429	0.0000	+/-0.500	
Terphenyl-d14	50.00	110	80 - 120	16.201	16.201	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	90.7	80 - 120	12.776	12.776	0.0000	+/-0.500	
LCS (1H01006-BS2) ug/L				Lab File ID: H01006L1.D		Analyzed: 08/10/11 06:24		
2-Fluorobiphenyl	50.00	60.2	50 - 110	10.926	10.928	-0.0020	+/-0.500	
2-Fluorophenol	100.0	33.2	20 - 110	6.295	6.296	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	65.0	40 - 110	8.656	8.652	0.0040	+/-0.500	
Phenol-d6	100.0	18.7	0 - 110	7.417	7.429	-0.0120	+/-0.500	
Terphenyl-d14	50.00	96.4	50 - 135	16.199	16.201	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	71.7	40 - 125	12.775	12.776	-0.0010	+/-0.500	
GW0145 (1107251-01) ug/L				Lab File ID: 0725101.D		Analyzed: 08/10/11 12:29		
2-Fluorobiphenyl	50.00	64.9	50 - 110	10.919	10.928	-0.0090	+/-0.500	
2-Fluorophenol	100.0	33.4	20 - 110	6.287	6.296	-0.0090	+/-0.500	
Nitrobenzene-d5	50.00	67.4	40 - 110	8.643	8.652	-0.0090	+/-0.500	
Phenol-d6	100.0	18.3	0 - 110	7.404	7.429	-0.0250	+/-0.500	
Terphenyl-d14	50.00	98.7	50 - 135	16.192	16.201	-0.0090	+/-0.500	
2,4,6-Tribromophenol	100.0	85.1	40 - 125	12.762	12.776	-0.0140	+/-0.500	
GW0143 (1108004-01) ug/L				Lab File ID: 0800401.D		Analyzed: 08/10/11 13:12		
2-Fluorobiphenyl	50.00	63.9	50 - 110	10.919	10.928	-0.0090	+/-0.500	
2-Fluorophenol	100.0	30.5	20 - 110	6.293	6.296	-0.0030	+/-0.500	
Nitrobenzene-d5	50.00	68.1	40 - 110	8.644	8.652	-0.0080	+/-0.500	
Phenol-d6	100.0	17.9	0 - 110	7.404	7.429	-0.0250	+/-0.500	
Terphenyl-d14	50.00	96.6	50 - 135	16.192	16.201	-0.0090	+/-0.500	
2,4,6-Tribromophenol	100.0	86.9	40 - 125	12.768	12.776	-0.0080	+/-0.500	
GW0150 (1108004-03) ug/L				Lab File ID: 0800403.D		Analyzed: 08/10/11 13:55		
2-Fluorobiphenyl	55.56	57.0	50 - 110	10.922	10.928	-0.0060	+/-0.500	
2-Fluorophenol	111.1	33.7	20 - 110	6.301	6.296	0.0050	+/-0.500	
Nitrobenzene-d5	55.56	68.2	40 - 110	8.651	8.652	-0.0010	+/-0.500	
Phenol-d6	111.1	19.8	0 - 110	7.412	7.429	-0.0170	+/-0.500	
Terphenyl-d14	55.56	95.3	50 - 135	16.2	16.201	-0.0010	+/-0.500	
2,4,6-Tribromophenol	111.1	74.2	40 - 125	12.77	12.776	-0.0060	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22413	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0233 (1108004-05) ug/L				Lab File ID: 0800405.D		Analyzed: 08/10/11 14:37		
2-Fluorobiphenyl	55.56	65.2	50 - 110	10.927	10.928	-0.0010	+/-0.500	
2-Fluorophenol	111.1	34.4	20 - 110	6.306	6.296	0.0100	+/-0.500	
Nitrobenzene-d5	55.56	69.7	40 - 110	8.656	8.652	0.0040	+/-0.500	
Phenol-d6	111.1	20.1	0 - 110	7.417	7.429	-0.0120	+/-0.500	
Terphenyl-d14	55.56	94.3	50 - 135	16.205	16.201	0.0040	+/-0.500	
2,4,6-Tribromophenol	111.1	67.4	40 - 125	12.775	12.776	-0.0010	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22707	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22707-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 08/13/11 19:38		
2-Fluorobiphenyl	50.00	106	80 - 120	10.853	10.853	0.0000	+/-0.500	
2-Fluorophenol	100.0	96.8	80 - 120	6.237	6.237	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	85.7	80 - 120	8.583	8.583	0.0000	+/-0.500	
Phenol-d6	100.0	101	80 - 120	7.365	7.365	0.0000	+/-0.500	
Terphenyl-d14	50.00	123	80 - 120	16.11	16.11	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	90.0	80 - 120	12.707	12.707	0.0000	+/-0.500	
Matrix Spike Dup (1H01006-MSD2) ug/L				Lab File ID: 0725101S.D		Analyzed: 08/14/11 05:39		
2-Fluorobiphenyl	50.00	78.7	50 - 110	10.831	10.853	-0.0220	+/-0.500	
2-Fluorophenol	100.0	39.9	20 - 110	6.205	6.237	-0.0320	+/-0.500	
Nitrobenzene-d5	50.00	78.3	40 - 110	8.56	8.583	-0.0230	+/-0.500	
Phenol-d6	100.0	22.2	0 - 110	7.332	7.365	-0.0330	+/-0.500	
Terphenyl-d14	50.00	128	50 - 135	16.077	16.11	-0.0330	+/-0.500	
2,4,6-Tribromophenol	100.0	90.1	40 - 125	12.679	12.707	-0.0280	+/-0.500	
GW0175 (1107224-03) ug/L				Lab File ID: 0722403.D		Analyzed: 08/14/11 06:19		
2-Fluorobiphenyl	55.56	76.4	50 - 110	10.841	10.853	-0.0120	+/-0.500	
2-Fluorophenol	111.1	26.7	20 - 110	6.215	6.237	-0.0220	+/-0.500	
Nitrobenzene-d5	55.56	64.6	40 - 110	8.565	8.583	-0.0180	+/-0.500	
Phenol-d6	111.1	16.0	0 - 110	7.336	7.365	-0.0290	+/-0.500	
Terphenyl-d14	55.56	108	50 - 135	16.092	16.11	-0.0180	+/-0.500	
2,4,6-Tribromophenol	111.1	82.4	40 - 125	12.684	12.707	-0.0230	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22708	Instrument:	MS-BNA3
		Calibration:	1122001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22708-CCV1) ug/mL				Lab File ID: SEQ-CCV3.D		Analyzed: 08/14/11 07:26		
2-Fluorobiphenyl	50.00	106	80 - 120	10.841	10.841	0.0000	+/-0.500	
2-Fluorophenol	100.0	97.9	80 - 120	6.215	6.215	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	87.0	80 - 120	8.57	8.57	0.0000	+/-0.500	
Phenol-d6	100.0	95.0	80 - 120	7.347	7.347	0.0000	+/-0.500	
Terphenyl-d14	50.00	119	80 - 120	16.087	16.087	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	90.0	80 - 120	12.689	12.689	0.0000	+/-0.500	
GW0239 (1107224-05) ug/L				Lab File ID: 0722405.D		Analyzed: 08/14/11 09:26		
2-Fluorobiphenyl	50.00	78.1	50 - 110	10.834	10.841	-0.0070	+/-0.500	
2-Fluorophenol	100.0	28.5	20 - 110	6.207	6.215	-0.0080	+/-0.500	
Nitrobenzene-d5	50.00	68.6	40 - 110	8.558	8.57	-0.0120	+/-0.500	
Phenol-d6	100.0	15.6	0 - 110	7.329	7.347	-0.0180	+/-0.500	
Terphenyl-d14	50.00	90.9	50 - 135	16.085	16.087	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	83.2	40 - 125	12.677	12.689	-0.0120	+/-0.500	
GW0241 (1108004-07) ug/L				Lab File ID: 0800407.D		Analyzed: 08/14/11 11:28		
2-Fluorobiphenyl	49.02	48.8	50 - 110	10.835	10.841	-0.0060	+/-0.500	*
2-Fluorophenol	98.04	25.5	20 - 110	6.209	6.215	-0.0060	+/-0.500	
Nitrobenzene-d5	49.02	54.7	40 - 110	8.559	8.57	-0.0110	+/-0.500	
Phenol-d6	98.04	16.8	0 - 110	7.33	7.347	-0.0170	+/-0.500	
Terphenyl-d14	49.02	77.4	50 - 135	16.081	16.087	-0.0060	+/-0.500	
2,4,6-Tribromophenol	98.04	40.8	40 - 125	12.678	12.689	-0.0110	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28008	Laboratory ID:	1G28008-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	39.13	78.3	20 - 110
Acenaphthene	50.00	40.83	81.7	45 - 110
Acenaphthylene	50.00	37.86	75.7	50 - 105
Acetophenone	50.00	46.85	93.7	50 - 110
Anthracene	50.00	48.09	96.2	55 - 110
Atrazine	50.00	49.30	98.6	70 - 115
Benzaldehyde	50.00	39.49	79.0	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	46.20	92.4	55 - 110
Benzo(a)pyrene	50.00	47.68	95.4	55 - 110
Benzo(b)fluoranthene	50.00	45.86	91.7	45 - 120
Benzo(g,h,i)perylene	50.00	56.87	114	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	50.38	101	45 - 125
1,1-Biphenyl	50.00	43.91	87.8	50 - 110
4-Bromophenyl-phenylether	50.00	44.06	88.1	50 - 115
Butylbenzylphthalate	50.00	48.25	96.5	45 - 115
Caprolactam	**50.00**	**6.730**	**13.5**	**20 - 110**
Carbazole	50.00	50.51	101	50 - 115
4-Chloro-3-methylphenol	50.00	39.58	79.2	45 - 110
4-Chloroaniline	50.00	28.63	57.3	15 - 110
Bis(2-chloroethoxy)methane	50.00	48.11	96.2	45 - 105
Bis(2-chloroethyl)ether	50.00	40.78	81.6	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	39.96	79.9	25 - 130
2-Chloronaphthalene	50.00	42.77	85.5	50 - 105
2-Chlorophenol	50.00	35.82	71.6	35 - 105
4-Chlorophenyl phenyl ether	50.00	47.89	95.8	50 - 110
Chrysene	50.00	47.85	95.7	55 - 110
Dibenz(a,h)anthracene	50.00	56.71	113	40 - 125
Dibenzofuran	50.00	50.18	100	55 - 105

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28008	Laboratory ID:	1G28008-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	50.71	101	55 - 115
2,4-Dichlorophenol	50.00	41.44	82.9	40 - 110
Diethylphthalate	50.00	50.66	101	40 - 120
2,4-Dimethylphenol	50.00	31.29	62.6	30 - 110
Dimethyl phthalate	50.00	52.07	104	25 - 125
4,6-Dinitro-2-methylphenol	50.00	58.82	118	40 - 130
2,4-Dinitrophenol	50.00	59.01	118	15 - 140
2,4-Dinitrotoluene	50.00	56.18	112	50 - 120
2,6-Dinitrotoluene	50.00	44.11	88.2	50 - 115
Di-n-octylphthalate	50.00	55.08	110	35 - 135
1,2-Diphenylhydrazine	50.00	48.72	97.4	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	51.81	104	40 - 125
Fluoranthene	50.00	49.69	99.4	55 - 115
Fluorene	50.00	44.67	89.3	50 - 110
Hexachlorobenzene	50.00	44.96	89.9	50 - 110
Hexachlorobutadiene	50.00	37.00	74.0	25 - 105
Hexachlorocyclopentadiene	50.00	28.69	57.4	10 - 110
Hexachloroethane	50.00	31.89	63.8	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	56.52	113	45 - 125
Isophorone	50.00	41.63	83.3	50 - 110
1-Methylnaphthalene	50.00	44.05	88.1	30 - 115
2-Methylnaphthalene	50.00	43.95	87.9	45 - 105
2-Methylphenol	50.00	30.97	61.9	40 - 110
3-Methylphenol/4-Methylphenol	50.00	26.46	52.9	30 - 110
4-Nitroaniline	**50.00**	**60.64**	**121**	**35 - 120**
3-Nitroaniline	50.00	37.45	74.9	20 - 125
2-Nitroaniline	50.00	45.95	91.9	50 - 115
Nitrobenzene	50.00	41.91	83.8	30 - 110
4-Nitrophenol	50.00	13.08	26.2	0 - 125
2-Nitrophenol	50.00	43.74	87.5	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28008	Laboratory ID:	1G28008-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
N-Nitrosodiphenylamine	50.00	37.86	75.7	50 - 110
N-Nitroso-di-n-propylamine	50.00	43.11	86.2	35 - 130
Pentachlorophenol	50.00	47.00	94.0	40 - 115
Phenanthrene	50.00	46.47	92.9	50 - 115
Phenol	50.00	13.23	26.5	0 - 115
Pyrene	50.00	51.36	103	50 - 130
2,4,6-Trichlorophenol	50.00	45.46	90.9	50 - 115
2,4,5-Trichlorophenol	50.00	43.71	87.4	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G29004	Laboratory ID:	1G29004-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	43.57	87.1	45 - 110
Acenaphthylene	50.00	39.40	78.8	50 - 105
Acetophenone	50.00	34.68	69.4	50 - 110
Anthracene	50.00	47.44	94.9	55 - 110
Atrazine	50.00	35.00	70.0	70 - 115
Benzaldehyde	50.00	34.45	68.9	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	49.93	99.9	55 - 110
Benzo(a)pyrene	50.00	49.34	98.7	55 - 110
Benzo(b)fluoranthene	50.00	52.45	105	45 - 120
Benzo(g,h,i)perylene	50.00	50.69	101	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	50.39	101	45 - 125
1,1-Biphenyl	50.00	41.15	82.3	50 - 110
4-Bromophenyl-phenylether	50.00	49.05	98.1	50 - 115
Butylbenzylphthalate	**50.00**	**63.52**	**127**	**45 - 115**
Caprolactam	**50.00**	**6.104**	**12.2**	**20 - 110**
Carbazole	50.00	43.95	87.9	50 - 115
4-Chloro-3-methylphenol	50.00	25.02	50.0	45 - 110
4-Chloroaniline	50.00	19.53	39.1	15 - 110
Bis(2-chloroethoxy)methane	50.00	36.86	73.7	45 - 105
Bis(2-chloroethyl)ether	50.00	33.36	66.7	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	33.85	67.7	25 - 130
2-Chloronaphthalene	50.00	44.26	88.5	50 - 105
2-Chlorophenol	50.00	23.94	47.9	35 - 105
4-Chlorophenyl phenyl ether	50.00	48.92	97.8	50 - 110
Chrysene	50.00	49.22	98.4	55 - 110
Dibenz(a,h)anthracene	50.00	52.88	106	40 - 125
Dibenzofuran	50.00	45.64	91.3	55 - 105
Di-n-butylphthalate	50.00	53.00	106	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G29004	Laboratory ID:	1G29004-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	34.73	69.5	20 - 110
2,4-Dichlorophenol	50.00	25.76	51.5	40 - 110
Diethylphthalate	50.00	44.43	88.9	40 - 120
2,4-Dimethylphenol	50.00	21.19	42.4	30 - 110
Dimethyl phthalate	50.00	39.12	78.2	25 - 125
4,6-Dinitro-2-methylphenol	50.00	37.61	75.2	40 - 130
2,4-Dinitrophenol	50.00	32.16	64.3	15 - 140
2,4-Dinitrotoluene	50.00	43.97	87.9	50 - 120
2,6-Dinitrotoluene	50.00	42.00	84.0	50 - 115
Di-n-octylphthalate	50.00	66.67	133	35 - 135
1,2-Diphenylhydrazine	50.00	39.41	78.8	55 - 115
Bis(2-ethylhexyl)phthalate	**50.00**	**66.49**	**133**	**40 - 125**
Fluoranthene	50.00	44.64	89.3	55 - 115
Fluorene	50.00	44.82	89.6	50 - 110
Hexachlorobenzene	50.00	46.04	92.1	50 - 110
Hexachlorobutadiene	50.00	25.89	51.8	25 - 105
Hexachlorocyclopentadiene	50.00	25.26	50.5	10 - 110
Hexachloroethane	50.00	21.82	43.6	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	50.17	100	45 - 125
Isophorone	50.00	31.70	63.4	50 - 110
1-Methylnaphthalene	50.00	38.07	76.1	30 - 115
2-Methylnaphthalene	50.00	38.06	76.1	45 - 105
2-Methylphenol	**50.00**	**19.36**	**38.7**	**40 - 110**
3-Methylphenol/4-Methylphenol	50.00	18.00	36.0	30 - 110
4-Nitroaniline	50.00	32.59	65.2	35 - 120
3-Nitroaniline	50.00	28.65	57.3	20 - 125
2-Nitroaniline	50.00	34.29	68.6	50 - 115
Nitrobenzene	50.00	31.08	62.2	30 - 110
4-Nitrophenol	50.00	10.31	20.6	0 - 125
2-Nitrophenol	50.00	28.88	57.8	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G29004	Laboratory ID:	1G29004-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
N-Nitrosodiphenylamine	50.00	37.74	75.5	50 - 110
N-Nitroso-di-n-propylamine	50.00	33.35	66.7	35 - 130
Pentachlorophenol	50.00	33.05	66.1	40 - 115
Phenanthrene	50.00	47.85	95.7	50 - 115
Phenol	50.00	9.145	18.3	0 - 115
Pyrene	50.00	52.09	104	50 - 130
2,4,6-Trichlorophenol	50.00	29.90	59.8	50 - 115
2,4,5-Trichlorophenol	50.00	28.99	58.0	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H01006	Laboratory ID:	1H01006-BS2
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	50.00	39.16	78.3	45 - 110
Acenaphthylene	50.00	37.65	75.3	50 - 105
Acetophenone	50.00	37.14	74.3	50 - 110
Anthracene	50.00	44.13	88.3	55 - 110
Atrazine	50.00	38.21	76.4	70 - 115
Benzaldehyde	50.00	39.90	79.8	10 - 180
Benzidine	50.00	50.0 U	0	0 - 200
Benzo(a)anthracene	50.00	44.21	88.4	55 - 110
Benzo(a)pyrene	50.00	42.17	84.3	55 - 110
Benzo(b)fluoranthene	50.00	43.95	87.9	45 - 120
Benzo(g,h,i)perylene	50.00	42.82	85.6	40 - 125
Benzoic acid	50.00	50.0 U	0	0 - 125
Benzo(k)fluoranthene	50.00	43.57	87.1	45 - 125
1,1-Biphenyl	50.00	42.57	85.1	50 - 110
4-Bromophenyl-phenylether	50.00	41.01	82.0	50 - 115
Butylbenzylphthalate	50.00	55.53	111	45 - 115
Caprolactam	**50.00**	**5.271**	**10.5**	**20 - 110**
Carbazole	50.00	44.31	88.6	50 - 115
4-Chloro-3-methylphenol	50.00	26.25	52.5	45 - 110
4-Chloroaniline	50.00	28.71	57.4	15 - 110
Bis(2-chloroethoxy)methane	50.00	39.66	79.3	45 - 105
Bis(2-chloroethyl)ether	50.00	37.69	75.4	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	35.69	71.4	25 - 130
2-Chloronaphthalene	50.00	38.65	77.3	50 - 105
2-Chlorophenol	50.00	26.47	52.9	35 - 105
4-Chlorophenyl phenyl ether	50.00	41.91	83.8	50 - 110
Chrysene	50.00	44.55	89.1	55 - 110
Dibenz(a,h)anthracene	50.00	42.08	84.2	40 - 125
Dibenzofuran	50.00	42.27	84.5	55 - 105
Di-n-butylphthalate	50.00	47.55	95.1	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H01006	Laboratory ID:	1H01006-BS2
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	50.00	37.27	74.5	20 - 110
2,4-Dichlorophenol	50.00	29.17	58.3	40 - 110
Diethylphthalate	50.00	45.30	90.6	40 - 120
2,4-Dimethylphenol	50.00	25.31	50.6	30 - 110
Dimethyl phthalate	50.00	41.57	83.1	25 - 125
4,6-Dinitro-2-methylphenol	50.00	36.93	73.9	40 - 130
2,4-Dinitrophenol	50.00	32.52	65.0	15 - 140
2,4-Dinitrotoluene	50.00	42.59	85.2	50 - 120
2,6-Dinitrotoluene	50.00	41.87	83.7	50 - 115
Di-n-octylphthalate	50.00	53.55	107	35 - 135
1,2-Diphenylhydrazine	50.00	35.45	70.9	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	57.05	114	40 - 125
Fluoranthene	50.00	41.05	82.1	55 - 115
Fluorene	50.00	40.89	81.8	50 - 110
Hexachlorobenzene	50.00	39.39	78.8	50 - 110
Hexachlorobutadiene	50.00	18.39	36.8	25 - 105
Hexachlorocyclopentadiene	50.00	18.00	36.0	10 - 110
Hexachloroethane	50.00	17.30	34.6	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	42.56	85.1	45 - 125
Isophorone	50.00	34.22	68.4	50 - 110
1-Methylnaphthalene	50.00	33.30	66.6	30 - 115
2-Methylnaphthalene	50.00	33.11	66.2	45 - 105
2-Methylphenol	50.00	22.50	45.0	40 - 110
3-Methylphenol/4-Methylphenol	50.00	20.69	41.4	30 - 110
4-Nitroaniline	50.00	37.73	75.5	35 - 120
3-Nitroaniline	50.00	32.83	65.7	20 - 125
2-Nitroaniline	50.00	33.29	66.6	50 - 115
Nitrobenzene	50.00	31.78	63.6	30 - 110
4-Nitrophenol	50.00	6.721	13.4	0 - 125
2-Nitrophenol	50.00	33.11	66.2	40 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H01006	Laboratory ID:	1H01006-BS2
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
N-Nitrosodiphenylamine	50.00	35.83	71.7	50 - 110
N-Nitroso-di-n-propylamine	50.00	36.58	73.2	35 - 130
Pentachlorophenol	50.00	37.59	75.2	40 - 115
Phenanthrene	50.00	44.79	89.6	50 - 115
Phenol	50.00	9.133	18.3	0 - 115
Pyrene	50.00	48.43	96.9	50 - 130
2,4,6-Trichlorophenol	50.00	33.31	66.6	50 - 115
2,4,5-Trichlorophenol	50.00	31.15	62.3	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

Laboratory:

SDG:

Client:

Project:

Matrix:

Batch:

% Solids:

Source Sample Name:

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H01006

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	49.02	ND	42.09	85.9		45 - 110
Acenaphthylene	49.02	ND	40.78	83.2		50 - 105
Acetophenone	49.02	ND	41.96	85.6		50 - 110
Anthracene	49.02	ND	47.44	96.8		55 - 110
Atrazine	49.02	ND	40.34	82.3		70 - 115
Benzaldehyde	49.02	ND	45.53	92.9		10 - 180
Benzidine	49.02	ND	49.0 U	0		0 - 200
Benzo(a)anthracene	49.02	ND	49.85	102		55 - 110
Benzo(a)pyrene	49.02	ND	48.08	98.1		55 - 110
Benzo(b)fluoranthene	49.02	ND	50.01	102		45 - 120
Benzo(g,h,i)perylene	49.02	ND	47.76	97.4		40 - 125
Benzoic acid	49.02	ND	49.0 U	0		0 - 125
Benzo(k)fluoranthene	49.02	ND	49.85	102		45 - 125
1,1-Biphenyl	49.02	ND	44.23	90.2		50 - 110
4-Bromophenyl-phenylether	49.02	ND	43.59	88.9		50 - 115
Butylbenzylphthalate	49.02	ND	67.73	138	*	45 - 115
Caprolactam	49.02	ND	6.520	13.3	*	20 - 110
Carbazole	49.02	ND	50.92	104		50 - 115
4-Chloro-3-methylphenol	49.02	ND	25.67	52.4		45 - 110
4-Chloroaniline	49.02	ND	32.62	66.6		15 - 110
Bis(2-chloroethoxy)methane	49.02	ND	42.26	86.2		45 - 105
Bis(2-chloroethyl)ether	49.02	ND	40.41	82.4		35 - 110
2,2'-Oxybis-1-chloropropane	49.02	ND	50.76	104		25 - 130
2-Chloronaphthalene	49.02	ND	42.33	86.4		50 - 105
2-Chlorophenol	49.02	ND	25.57	52.2		35 - 105
4-Chlorophenyl phenyl ether	49.02	ND	43.88	89.5		50 - 110
Chrysene	49.02	ND	49.78	102		55 - 110
Dibenz(a,h)anthracene	49.02	ND	48.58	99.1		40 - 125
Dibenzofuran	49.02	ND	46.74	95.4		55 - 105
Di-n-butylphthalate	49.02	ND	54.65	111		55 - 115
3,3'-Dichlorobenzidine	49.02	ND	42.47	86.6		20 - 110
2,4-Dichlorophenol	49.02	ND	27.25	55.6		40 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H01006

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	49.02	ND	47.71	97.3		40 - 120
2,4-Dimethylphenol	49.02	ND	23.41	47.8		30 - 110
Dimethyl phthalate	49.02	ND	43.75	89.2		25 - 125
4,6-Dinitro-2-methylphenol	49.02	ND	35.12	71.7		40 - 130
2,4-Dinitrophenol	49.02	ND	31.89	65.0		15 - 140
2,4-Dinitrotoluene	49.02	ND	47.35	96.6		50 - 120
2,6-Dinitrotoluene	49.02	ND	46.37	94.6		50 - 115
Di-n-octylphthalate	49.02	ND	65.07	133		35 - 135
1,2-Diphenylhydrazine	49.02	ND	40.46	82.5		55 - 115
Bis(2-ethylhexyl)phthalate	49.02	ND	68.93	141	*	40 - 125
Fluoranthene	49.02	ND	45.17	92.1		55 - 115
Fluorene	49.02	ND	44.12	90.0		50 - 110
Hexachlorobenzene	49.02	ND	41.80	85.3		50 - 110
Hexachlorobutadiene	49.02	ND	20.14	41.1		25 - 105
Hexachlorocyclopentadiene	49.02	ND	21.56	44.0		10 - 110
Hexachloroethane	49.02	ND	18.49	37.7		30 - 95
Indeno(1,2,3-cd)pyrene	49.02	ND	50.13	102		45 - 125
Isophorone	49.02	ND	37.01	75.5		50 - 110
1-Methylnaphthalene	49.02	ND	37.74	77.0		30 - 115
2-Methylnaphthalene	49.02	ND	37.45	76.4		45 - 105
2-Methylphenol	49.02	ND	21.79	44.4		40 - 110
3-Methylphenol/4-Methylphenol	49.02	ND	20.18	41.2		30 - 110
4-Nitroaniline	49.02	ND	42.18	86.1		35 - 120
3-Nitroaniline	49.02	ND	36.04	73.5		20 - 125
2-Nitroaniline	49.02	ND	38.03	77.6		50 - 115
Nitrobenzene	49.02	ND	35.08	71.6		30 - 110
4-Nitrophenol	49.02	ND	8.792	17.9		0 - 125
2-Nitrophenol	49.02	ND	29.82	60.8		40 - 115
N-Nitrosodiphenylamine	49.02	ND	40.49	82.6		50 - 110
N-Nitroso-di-n-propylamine	49.02	ND	37.66	76.8		35 - 130
Pentachlorophenol	49.02	ND	34.40	70.2		40 - 115
Phenanthrene	49.02	ND	48.19	98.3		50 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H01006

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenol	49.02	ND	9.838	20.1		0 - 115
Pyrene	49.02	ND	55.12	112		50 - 130
2,4,6-Trichlorophenol	49.02	ND	27.40	55.9		50 - 115
2,4,5-Trichlorophenol	49.02	ND	28.11	57.3		50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H01006

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	50.00	43.51	87.0	3.30		30	45 - 110
Acenaphthylene	50.00	41.09	82.2	0.758		30	50 - 105
Acetophenone	50.00	48.07	96.1	13.6		30	50 - 110
Anthracene	50.00	47.19	94.4	0.511		30	55 - 110
Atrazine	50.00	45.30	90.6	11.6		30	70 - 115
Benzaldehyde	50.00	50.14	100	9.65		30	10 - 180
Benzidine	50.00	50.0 U	0			30	0 - 200
Benzo(a)anthracene	50.00	50.09	100	0.463		30	55 - 110
Benzo(a)pyrene	50.00	48.53	97.1	0.929		30	55 - 110
Benzo(b)fluoranthene	50.00	51.32	103	2.58		30	45 - 120
Benzo(g,h,i)perylene	50.00	52.01	104	8.52		30	40 - 125
Benzoic acid	50.00	50.0 U	0			30	0 - 125
Benzo(k)fluoranthene	50.00	49.30	98.6	1.10		30	45 - 125
1,1-Biphenyl	50.00	48.15	96.3	8.48		30	50 - 110
4-Bromophenyl-phenylether	50.00	45.26	90.5	3.77		30	50 - 115
Butylbenzylphthalate	50.00	73.72	147	8.46	*	30	45 - 115
Caprolactam	50.00	6.953	13.9	6.42	*	30	20 - 110
Carbazole	50.00	50.04	100	1.75		30	50 - 115
4-Chloro-3-methylphenol	50.00	36.37	72.7	34.5	*	30	45 - 110
4-Chloroaniline	50.00	37.90	75.8	15.0		30	15 - 110
Bis(2-chloroethoxy)methane	50.00	46.66	93.3	9.89		30	45 - 105
Bis(2-chloroethyl)ether	50.00	46.18	92.4	13.3		30	35 - 110
2,2'-Oxybis-1-chloropropane	50.00	54.68	109	7.44		30	25 - 130
2-Chloronaphthalene	50.00	44.35	88.7	4.66		30	50 - 105
2-Chlorophenol	50.00	36.01	72.0	33.9	*	30	35 - 105
4-Chlorophenyl phenyl ether	50.00	44.31	88.6	0.974		30	50 - 110
Chrysene	50.00	50.27	101	0.973		30	55 - 110
Dibenz(a,h)anthracene	50.00	52.79	106	8.29		30	40 - 125
Dibenzofuran	50.00	47.22	94.4	1.01		30	55 - 105
Di-n-butylphthalate	50.00	53.99	108	1.21		30	55 - 115
3,3'-Dichlorobenzidine	50.00	41.32	82.6	2.75		30	20 - 110
2,4-Dichlorophenol	50.00	40.20	80.4	38.4	*	30	40 - 110
Diethylphthalate	50.00	50.01	100	4.72		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H01006

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	50.00	29.50	59.0	23.0		30	30 - 110
Dimethyl phthalate	50.00	49.81	99.6	13.0		30	25 - 125
4,6-Dinitro-2-methylphenol	50.00	53.41	107	41.3	*	30	40 - 130
2,4-Dinitrophenol	50.00	49.83	99.7	43.9	*	30	15 - 140
2,4-Dinitrotoluene	50.00	48.96	97.9	3.34		30	50 - 120
2,6-Dinitrotoluene	50.00	49.23	98.5	5.99		30	50 - 115
Di-n-octylphthalate	50.00	73.26	147	11.9	*	30	35 - 135
1,2-Diphenylhydrazine	50.00	42.10	84.2	3.98		30	55 - 115
Bis(2-ethylhexyl)phthalate	50.00	74.66	149	7.99	*	30	40 - 125
Fluoranthene	50.00	42.81	85.6	5.35		30	55 - 115
Fluorene	50.00	44.28	88.6	0.370		30	50 - 110
Hexachlorobenzene	50.00	42.31	84.6	1.20		30	50 - 110
Hexachlorobutadiene	50.00	21.26	42.5	5.36		30	25 - 105
Hexachlorocyclopentadiene	50.00	21.69	43.4	0.603		30	10 - 110
Hexachloroethane	50.00	17.75	35.5	4.06		30	30 - 95
Indeno(1,2,3-cd)pyrene	50.00	53.22	106	5.98		30	45 - 125
Isophorone	50.00	39.99	80.0	7.75		30	50 - 110
1-Methylnaphthalene	50.00	39.26	78.5	3.94		30	30 - 115
2-Methylnaphthalene	50.00	39.10	78.2	4.32		30	45 - 105
2-Methylphenol	50.00	28.87	57.7	28.0		30	40 - 110
3-Methylphenol/4-Methylphenol	50.00	26.22	52.4	26.0		30	30 - 110
4-Nitroaniline	50.00	46.60	93.2	9.94		30	35 - 120
3-Nitroaniline	50.00	40.42	80.8	11.5		30	20 - 125
2-Nitroaniline	50.00	41.74	83.5	9.30		30	50 - 115
Nitrobenzene	50.00	37.96	75.9	7.86		30	30 - 110
4-Nitrophenol	50.00	9.584	19.2	8.61		30	0 - 125
2-Nitrophenol	50.00	45.02	90.0	40.6	*	30	40 - 115
N-Nitrosodiphenylamine	50.00	43.43	86.9	6.99		30	50 - 110
N-Nitroso-di-n-propylamine	50.00	42.63	85.3	12.4		30	35 - 130
Pentachlorophenol	50.00	49.67	99.3	36.3	*	30	40 - 115
Phenanthrene	50.00	48.24	96.5	0.112		30	50 - 115
Phenol	50.00	10.83	21.7	9.64		30	0 - 115
Pyrene	50.00	60.18	120	8.76		30	50 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270C

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H01006

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4,6-Trichlorophenol	50.00	41.20	82.4	40.2	*	30	50 - 115
2,4,5-Trichlorophenol	50.00	40.40	80.8	35.9	*	30	50 - 110

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G28008 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	07/28/11 15:00	1,000.00	1.00
GW0242	1107209-03	07/28/11 15:00	1,040.00	1.00
GW0174	1107224-01	07/28/11 15:00	1,040.00	1.00
GW0175	1107224-03	07/28/11 15:00	900.00	1.00
GW0239	1107224-05	07/28/11 15:00	1,000.00	1.00
Blank	1G28008-BLK1	07/28/11 15:00	1,000.00	1.00
LCS	1G28008-BS1	07/28/11 15:00	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G29004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0170	1107237-01	07/29/11 12:47	1,000.00	1.00
GW0171	1107237-03	07/29/11 12:47	1,000.00	1.00
GW0237	1107237-05	07/29/11 12:47	1,000.00	1.00
GW0238	1107237-07	07/29/11 12:47	1,000.00	1.00
Blank	1G29004-BLK1	07/29/11 12:47	1,000.00	1.00
LCS	1G29004-BS1	07/29/11 12:47	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H01006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0145	1107251-01	08/03/11 14:03	1,000.00	1.00
GW0143	1108004-01	08/03/11 14:03	1,000.00	1.00
GW0150	1108004-03	08/03/11 14:03	900.00	1.00
GW0233	1108004-05	08/03/11 14:03	900.00	1.00
GW0241	1108004-07	08/03/11 14:03	1,020.00	1.00
Blank	1H01006-BLK1	08/03/11 14:03	1,000.00	1.00
LCS	1H01006-BS2	08/03/11 14:03	1,000.00	1.00
GW0145	1H01006-MS2	08/03/11 14:03	1,020.00	1.00
GW0145	1H01006-MSD2	08/03/11 14:03	1,000.00	1.00

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	01/26/11
Instrument ID:	MS-BNA1	Injection Time:	15:13
Sequence:	1B03208	Lab Sample ID:	1B03208-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	41.9	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	62.8	PASS
70	Less than 2% of 69	0.345	PASS
127	40 - 60% of 198	44.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.89	PASS
275	10 - 30% of 198	16.8	PASS
365	1 - 200% of 198	1.47	PASS
441	0.001 - 100% of 443	70.3	PASS
442	40 - 200% of 198	40.3	PASS
443	17 - 23% of 442	21.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	01/28/11
Instrument ID:	MS-BNA1	Injection Time:	09:18
Sequence:	1B03208	Lab Sample ID:	1B03208-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	31.1	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	48.5	PASS
70	Less than 2% of 69	0.314	PASS
127	40 - 60% of 198	40.4	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.62	PASS
275	10 - 30% of 198	20	PASS
365	1 - 200% of 198	2.17	PASS
441	0.001 - 100% of 443	75.3	PASS
442	40 - 200% of 198	77.2	PASS
443	17 - 23% of 442	19.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
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_021
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_021
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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	07/31/11
Instrument ID:	MS-BNA3	Injection Time:	19:44
Sequence:	1H21312	Lab Sample ID:	1H21312-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	49.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	52.3	PASS
70	Less than 2% of 69	0.574	PASS
127	40 - 60% of 198	58	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.43	PASS
275	10 - 30% of 198	22.7	PASS
365	1 - 200% of 198	2.33	PASS
441	0.001 - 100% of 443	75.5	PASS
442	40 - 200% of 198	51.9	PASS
443	17 - 23% of 442	20.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/01/11
Instrument ID:	MS-BNA3	Injection Time:	11:30
Sequence:	1H21402	Lab Sample ID:	1H21402-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	46.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	50.6	PASS
70	Less than 2% of 69	0.548	PASS
127	40 - 60% of 198	57.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.18	PASS
275	10 - 30% of 198	24	PASS
365	1 - 200% of 198	2.37	PASS
441	0.001 - 100% of 443	73.4	PASS
442	40 - 200% of 198	58.2	PASS
443	17 - 23% of 442	20.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/03/11
Instrument ID:	MS-BNA1	Injection Time:	10:22
Sequence:	1H21605	Lab Sample ID:	1H21605-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	33.7	PASS
68	Less than 2% of 69	0.0905	PASS
69	Less than 200% of 198	47.9	PASS
70	Less than 2% of 69	0.395	PASS
127	40 - 60% of 198	43.1	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.74	PASS
275	10 - 30% of 198	20.2	PASS
365	1 - 200% of 198	2.3	PASS
441	0.001 - 100% of 443	78.1	PASS
442	40 - 200% of 198	79.6	PASS
443	17 - 23% of 442	18.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/04/11
Instrument ID:	MS-BNA3	Injection Time:	19:55
Sequence:	1H21707	Lab Sample ID:	1H21707-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	57.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	54.6	PASS
70	Less than 2% of 69	0.603	PASS
127	40 - 60% of 198	57.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.31	PASS
275	10 - 30% of 198	22	PASS
365	1 - 200% of 198	1.92	PASS
441	0.001 - 100% of 443	69.4	PASS
442	40 - 200% of 198	50.4	PASS
443	17 - 23% of 442	20.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/05/11
Instrument ID:	MS-BNA3	Injection Time:	15:28
Sequence:	1H21802	Lab Sample ID:	1H21802-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	59	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	60.8	PASS
70	Less than 2% of 69	0.513	PASS
127	40 - 60% of 198	58.1	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	20.4	PASS
365	1 - 200% of 198	2.09	PASS
441	0.001 - 100% of 443	68.6	PASS
442	40 - 200% of 198	48.4	PASS
443	17 - 23% of 442	22.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/10/11
Instrument ID:	MS-BNA3	Injection Time:	21:38
Sequence:	1H22312	Lab Sample ID:	1H22312-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	59.4	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	50.1	PASS
70	Less than 2% of 69	0.391	PASS
127	40 - 60% of 198	57.4	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	19	PASS
365	1 - 200% of 198	1.61	PASS
441	0.001 - 100% of 443	67.1	PASS
442	40 - 200% of 198	49.1	PASS
443	17 - 23% of 442	20.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	08/10/11
Instrument ID:	MS-BNA3	Injection Time:	03:16
Sequence:	1H22413	Lab Sample ID:	1H22413-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	49.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	50.6	PASS
70	Less than 2% of 69	0.337	PASS
127	40 - 60% of 198	54.3	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	7.44	PASS
275	10 - 30% of 198	20.1	PASS
365	1 - 200% of 198	1.6	PASS
441	0.001 - 100% of 443	69.3	PASS
442	40 - 200% of 198	56.1	PASS
443	17 - 23% of 442	21.1	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	08/13/11
Instrument ID:	MS-BNA3	Injection Time:	19:10
Sequence:	1H22707	Lab Sample ID:	1H22707-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	54.7	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	50.6	PASS
70	Less than 2% of 69	0.711	PASS
127	40 - 60% of 198	57.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.88	PASS
275	10 - 30% of 198	20.2	PASS
365	1 - 200% of 198	1.57	PASS
441	0.001 - 100% of 443	75.5	PASS
442	40 - 200% of 198	53.3	PASS
443	17 - 23% of 442	21	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	08/14/11
Instrument ID:	MS-BNA3	Injection Time:	06:58
Sequence:	1H22708	Lab Sample ID:	1H22708-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	53.2	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	46.5	PASS
70	Less than 2% of 69	0.456	PASS
127	40 - 60% of 198	56.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.64	PASS
275	10 - 30% of 198	20.6	PASS
365	1 - 200% of 198	1.73	PASS
441	0.001 - 100% of 443	67.1	PASS
442	40 - 200% of 198	63.1	PASS
443	17 - 23% of 442	19.5	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1B03208	Instrument:	MS-BNA1
Calibration:	1203001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1B03208-TUN1	SEQ-TUN1.D	01/26/11 15:13
Cal Standard	1B03208-CAL1	SEQ-CAL1.D	01/26/11 15:40
Cal Standard	1B03208-CAL2	SEQ-CAL2.D	01/26/11 16:08
Cal Standard	1B03208-CAL3	SEQ-CAL3.D	01/26/11 16:37
Cal Standard	1B03208-CAL4	SEQ-CAL4.D	01/26/11 17:05
Cal Standard	1B03208-CAL5	SEQ-CAL5.D	01/26/11 17:34
Cal Standard	1B03208-CAL6	SEQ-CAL6.D	01/26/11 18:03
Cal Standard	1B03208-CAL7	SEQ-CAL7.D	01/26/11 18:31
Cal Standard	1B03208-CAL8	SEQ-CAL8.D	01/26/11 19:00
Cal Standard	1B03208-CAL9	SEQ-CAL9.D	01/26/11 19:29
Cal Standard	1B03208-CALA	SEQ-CALA.D	01/26/11 19:57
Cal Standard	1B03208-CALB	SEQ-CALB.D	01/26/11 20:26
Cal Standard	1B03208-CALC	SEQ-CALC.D	01/26/11 20:54
Cal Standard	1B03208-CALD	SEQ-CALD.D	01/26/11 21:23
Cal Standard	1B03208-CALE	SEQ-CALE.D	01/26/11 21:52
Cal Standard	1B03208-CALF	SEQ-CALF.D	01/26/11 22:20
Cal Standard	1B03208-CALG	SEQ-CALG.D	01/26/11 22:49
Initial Cal Check	1B03208-ICV1	SEQ-ICV1.D	01/26/11 23:17
Initial Cal Check	1B03208-ICV2	SEQ-ICV2.D	01/26/11 23:45
Initial Cal Check	1B03208-ICV3	SEQ-ICV3.D	01/27/11 00:13
MS Tune	1B03208-TUN2	SEQ-TUN1.D	01/28/11 09:18
Initial Cal Check	1B03208-ICV4	SEQ-ICV4.D	01/28/11 10:25

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12203	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1E12203-TUN1	SEQ-TUN1.D	04/29/11 17:21
Cal Standard	1E12203-CAL1	SEQ-CAL1.D	04/29/11 17:45
Cal Standard	1E12203-CAL2	SEQ-CAL2.D	04/29/11 18:19
Cal Standard	1E12203-CAL3	SEQ-CAL3.D	04/29/11 18:52
Cal Standard	1E12203-CAL4	SEQ-CAL4.D	04/29/11 19:25
Cal Standard	1E12203-CAL5	SEQ-CAL5.D	04/29/11 19:58
Cal Standard	1E12203-CAL6	SEQ-CAL6.D	04/29/11 20:31
Cal Standard	1E12203-CAL7	SEQ-CAL7.D	04/29/11 21:04
Cal Standard	1E12203-CAL8	SEQ-CAL8.D	04/29/11 21:37
Cal Standard	1E12203-CAL9	SEQ-CAL9.D	04/29/11 22:09
Cal Standard	1E12203-CALA	SEQ-CALA.D	04/29/11 22:42
Cal Standard	1E12203-CALB	SEQ-CALB.D	04/29/11 23:15
Cal Standard	1E12203-CALC	SEQ-CALC.D	04/29/11 23:47
Cal Standard	1E12203-CALD	SEQ-CALD.D	04/30/11 00:20
Cal Standard	1E12203-CALE	SEQ-CALE.D	04/30/11 00:53
Cal Standard	1E12203-CALF	SEQ-CALF.D	04/30/11 01:25
Cal Standard	1E12203-CALG	SEQ-CALG.D	04/30/11 01:58
MS Tune	1E12203-TUN2	SEQ-TUN1.D	04/30/11 14:42
Initial Cal Check	1E12203-ICV1	SEQ-ICV1.D	04/30/11 15:07
Initial Cal Check	1E12203-ICV2	SEQ-ICV2.D	04/30/11 15:40
Initial Cal Check	1E12203-ICV3	SEQ-ICV5.D	04/30/11 17:19
MS Tune	1E12203-TUN3	SEQ-TUN1.D	05/02/11 13:51
Initial Cal Check	1E12203-ICV4	SEQ-ICV4.D	05/02/11 14:16

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21312	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21312-TUN1	SEQ-TUN1.D	07/31/11 19:44
Calibration Check	1H21312-CCV1	SEQ-CCV1.D	07/31/11 20:10
Calibration Check	1H21312-CCV2	SEQ-CCV2.D	07/31/11 20:43
Blank	1G29004-BLK1	G29004B1.D	07/31/11 21:51
LCS	1G29004-BS1	G29004L1.D	07/31/11 23:33

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21402	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21402-TUN1	SEQ-TUN1.D	08/01/11 11:30
Calibration Check	1H21402-CCV1	SEQ-CCV1.D	08/01/11 11:57
Calibration Check	1H21402-CCV2	SEQ-CCV2.D	08/01/11 12:33
GW0170	1107237-01	0723701.D	08/01/11 20:11
GW0171	1107237-03	0723703.D	08/01/11 20:44
GW0237	1107237-05	0723705.D	08/01/11 21:19
GW0238	1107237-07	0723707.D	08/01/11 21:52

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21605	Instrument:	MS-BNA1
Calibration:	1203001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21605-TUN1	SEQ-TUN1.D	08/03/11 10:22
Calibration Check	1H21605-CCV1	SEQ-CCV1.D	08/03/11 10:48
LCS	1G28008-BS1	G28008L1.D	08/03/11 11:21
Blank	1G28008-BLK1	G28008B1.D	08/03/11 11:54
GW0207	1107209-01	0720901.D	08/03/11 14:39
GW0242	1107209-03	0720903.D	08/03/11 15:12
GW0174	1107224-01	0722401.D	08/03/11 22:19

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21707	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21707-TUN1	SEQ-TUN1.D	08/04/11 19:55
Calibration Check	1H21707-CCV1	SEQ-CCV1.D	08/04/11 20:22
Calibration Check	1H21707-CCV2	SEQ-CCV2.D	08/04/11 21:04

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21802	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H21802-TUN1	SEQ-TUN1.D	08/05/11 15:28
Calibration Check	1H21802-CCV1	SEQ-CCV1.D	08/05/11 15:55
Calibration Check	1H21802-CCV2	SEQ-CCV2.D	08/05/11 16:44

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22312	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H22312-TUN1	SEQ-TUN1.D	08/10/11 21:38
Calibration Check	1H22312-CCV1	SEQ-CCV1.D	08/10/11 22:06
Blank	1H01006-BLK1	H01006B1.D	08/11/11 01:01
GW0145	1H01006-MS2	0725101M.D	08/11/11 09:15

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22413	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H22413-TUN1	SEQ-TUN2.D	08/10/11 03:16
Calibration Check	1H22413-CCV1	SEQ-CCV3.D	08/10/11 03:45
LCS	1H01006-BS2	H01006L1.D	08/10/11 06:24
GW0145	1107251-01	0725101.D	08/10/11 12:29
GW0143	1108004-01	0800401.D	08/10/11 13:12
GW0150	1108004-03	0800403.D	08/10/11 13:55
GW0233	1108004-05	0800405.D	08/10/11 14:37

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22707	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H22707-TUN1	SEQ-TUN1.D	08/13/11 19:10
Calibration Check	1H22707-CCV1	SEQ-CCV1.D	08/13/11 19:38
Calibration Check	1H22707-CCV2	SEQ-CCV2.D	08/13/11 20:18
GW0145	1H01006-MSD2	0725101S.D	08/14/11 05:39
GW0175	1107224-03	0722403.D	08/14/11 06:19

ANALYSIS SEQUENCE SUMMARY

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22708	Instrument:	MS-BNA3
Calibration:	1122001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	1H22708-TUN1	SEQ-TUN2.D	08/14/11 06:58
Calibration Check	1H22708-CCV1	SEQ-CCV3.D	08/14/11 07:26
Calibration Check	1H22708-CCV2	SEQ-CCV4.D	08/14/11 08:06
GW0239	1107224-05	0722405.D	08/14/11 09:26
GW0241	1108004-07	0800407.D	08/14/11 11:28

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1B03208	Instrument:	MS-BNA1
		Calibration:	1203001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (1B03208-ICV1)			Lab File ID: SEQ-ICV1.D			Analyzed: 01/26/11 23:17			
1,4-Dichlorobenzene-d4	511700	6.172				50 - 200	6.1720	+/-0.50	*
Naphthalene-d8	1720446	7.658				50 - 200	7.6580	+/-0.50	*
Acenaphthene-d10	772767	9.78				50 - 200	9.7800	+/-0.50	*
Phenanthrene-d10	1115940	11.596				50 - 200	11.5960	+/-0.50	*
Chrysene-d12	1052908	14.85				50 - 200	14.8500	+/-0.50	*
Perylene-d12	949694	16.603				50 - 200	16.6030	+/-0.50	*
Initial Cal Check (1B03208-ICV2)			Lab File ID: SEQ-ICV2.D			Analyzed: 01/26/11 23:45			
1,4-Dichlorobenzene-d4	446206	6.173				50 - 200	6.1730	+/-0.50	*
Naphthalene-d8	1366970	7.652				50 - 200	7.6520	+/-0.50	*
Acenaphthene-d10	674313	9.776				50 - 200	9.7760	+/-0.50	*
Phenanthrene-d10	1044240	11.59				50 - 200	11.5900	+/-0.50	*
Chrysene-d12	885065	14.84				50 - 200	14.8400	+/-0.50	*
Perylene-d12	834806	16.593				50 - 200	16.5930	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12203	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Initial Cal Check (1E12203-ICV1)			Lab File ID: SEQ-ICV1.D			Analyzed: 04/30/11 15:07			
1,4-Dichlorobenzene-d4	557812	6.391				50 - 200	6.3910	+/-0.50	*
Naphthalene-d8	1995847	8.031				50 - 200	8.0310	+/-0.50	*
Acenaphthene-d10	1155973	10.254				50 - 200	10.2540	+/-0.50	*
Phenanthrene-d10	1900041	12.097				50 - 200	12.0970	+/-0.50	*
Chrysene-d12	2024170	16.269				50 - 200	16.2690	+/-0.50	*
Perylene-d12	1963866	19.02				50 - 200	19.0200	+/-0.50	*
Initial Cal Check (1E12203-ICV2)			Lab File ID: SEQ-ICV2.D			Analyzed: 04/30/11 15:40			
1,4-Dichlorobenzene-d4	628383	6.386				50 - 200	6.3860	+/-0.50	*
Naphthalene-d8	2284344	8.021				50 - 200	8.0210	+/-0.50	*
Acenaphthene-d10	1337189	10.243				50 - 200	10.2430	+/-0.50	*
Phenanthrene-d10	2248728	12.091				50 - 200	12.0910	+/-0.50	*
Chrysene-d12	2442467	16.253				50 - 200	16.2530	+/-0.50	*
Perylene-d12	2437873	19.009				50 - 200	19.0090	+/-0.50	*
Initial Cal Check (1E12203-ICV4)			Lab File ID: SEQ-ICV4.D			Analyzed: 05/02/11 14:16			
1,4-Dichlorobenzene-d4	570325	6.385				50 - 200	6.3850	+/-0.50	*
Naphthalene-d8	2078712	8.02				50 - 200	8.0200	+/-0.50	*
Acenaphthene-d10	1185034	10.242				50 - 200	10.2420	+/-0.50	*
Phenanthrene-d10	1964853	12.091				50 - 200	12.0910	+/-0.50	*
Chrysene-d12	2129370	16.242				50 - 200	16.2420	+/-0.50	*
Perylene-d12	2111160	19.003				50 - 200	19.0030	+/-0.50	*

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21312	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21312-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 07/31/11 20:10			
1,4-Dichlorobenzene-d4	630929	5.062	473419	6.389	133	50 - 200	-1.3270	+/-0.50	
Naphthalene-d8	2310073	6.74	1697246	8.029	136	50 - 200	-1.2890	+/-0.50	
Acenaphthene-d10	1356953	8.957	970176	10.251	140	50 - 200	-1.2940	+/-0.50	
Phenanthrene-d10	2275365	10.778	1609148	12.094	141	50 - 200	-1.3160	+/-0.50	
Chrysene-d12	2174539	14.4	1722869	16.261	126	50 - 200	-1.8610	+/-0.50	
Perylene-d12	1998930	16.922	1702026	19.012	117	50 - 200	-2.0900	+/-0.50	
Calibration Check (1H21312-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 07/31/11 20:43			
1,4-Dichlorobenzene-d4	645257	5.055	630929	5.062	102	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	2424778	6.732	2310073	6.74	105	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1423567	8.949	1356953	8.957	105	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2409539	10.771	2275365	10.778	106	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	2387035	14.382	2174539	14.4	110	50 - 200	-0.0180	+/-0.50	
Perylene-d12	2226220	16.914	1998930	16.922	111	50 - 200	-0.0080	+/-0.50	
Blank (1G29004-BLK1)			Lab File ID: G29004B1.D			Analyzed: 07/31/11 21:51			
1,4-Dichlorobenzene-d4	607548	5.06	630929	5.062	96	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2216446	6.732	2310073	6.74	96	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1262756	8.949	1356953	8.957	93	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2091732	10.765	2275365	10.778	92	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	2023107	14.382	2174539	14.4	93	50 - 200	-0.0180	+/-0.50	
Perylene-d12	1856858	16.914	1998930	16.922	93	50 - 200	-0.0080	+/-0.50	
LCS (1G29004-BS1)			Lab File ID: G29004L1.D			Analyzed: 07/31/11 23:33			
1,4-Dichlorobenzene-d4	643233	5.065	630929	5.062	102	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2347772	6.742	2310073	6.74	102	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1355383	8.954	1356953	8.957	100	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2238270	10.776	2275365	10.778	98	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	2086124	14.403	2174539	14.4	96	50 - 200	0.0030	+/-0.50	
Perylene-d12	1907120	16.924	1998930	16.922	95	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21402	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21402-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/01/11 11:57			
1,4-Dichlorobenzene-d4	641291	5.06	473419	6.389	135	50 - 200	-1.3290	+/-0.50	
Naphthalene-d8	2368218	6.738	1697246	8.029	140	50 - 200	-1.2910	+/-0.50	
Acenaphthene-d10	1393961	8.955	970176	10.251	144	50 - 200	-1.2960	+/-0.50	
Phenanthrene-d10	2323912	10.771	1609148	12.094	144	50 - 200	-1.3230	+/-0.50	
Chrysene-d12	2204930	14.404	1722869	16.261	128	50 - 200	-1.8570	+/-0.50	
Perylene-d12	2015925	16.925	1702026	19.012	118	50 - 200	-2.0870	+/-0.50	
Calibration Check (1H21402-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/01/11 12:33			
1,4-Dichlorobenzene-d4	653957	5.062	641291	5.06	102	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2404125	6.734	2368218	6.738	102	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1387774	8.951	1393961	8.955	100	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	2322634	10.773	2323912	10.771	100	50 - 200	0.0020	+/-0.50	
Chrysene-d12	2175385	14.39	2204930	14.404	99	50 - 200	-0.0140	+/-0.50	
Perylene-d12	2041003	16.922	2015925	16.925	101	50 - 200	-0.0030	+/-0.50	
GW0170 (1107237-01)			Lab File ID: 0723701.D			Analyzed: 08/01/11 20:11			
1,4-Dichlorobenzene-d4	515009	5.065	641291	5.06	80	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	2025421	6.738	2368218	6.738	86	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1204013	8.955	1393961	8.955	86	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2043222	10.771	2323912	10.771	88	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1849820	14.398	2204930	14.404	84	50 - 200	-0.0060	+/-0.50	
Perylene-d12	1686806	16.941	2015925	16.925	84	50 - 200	0.0160	+/-0.50	
GW0171 (1107237-03)			Lab File ID: 0723703.D			Analyzed: 08/01/11 20:44			
1,4-Dichlorobenzene-d4	572005	5.07	641291	5.06	89	50 - 200	0.0100	+/-0.50	
Naphthalene-d8	2126335	6.742	2368218	6.738	90	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1244679	8.959	1393961	8.955	89	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	2113400	10.775	2323912	10.771	91	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1946007	14.403	2204930	14.404	88	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1870673	16.946	2015925	16.925	93	50 - 200	0.0210	+/-0.50	
GW0237 (1107237-05)			Lab File ID: 0723705.D			Analyzed: 08/01/11 21:19			
1,4-Dichlorobenzene-d4	554541	5.069	641291	5.06	86	50 - 200	0.0090	+/-0.50	
Naphthalene-d8	2174822	6.741	2368218	6.738	92	50 - 200	0.0030	+/-0.50	
Acenaphthene-d10	1290212	8.958	1393961	8.955	93	50 - 200	0.0030	+/-0.50	
Phenanthrene-d10	2183742	10.775	2323912	10.771	94	50 - 200	0.0040	+/-0.50	
Chrysene-d12	2053676	14.402	2204930	14.404	93	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1942259	16.945	2015925	16.925	96	50 - 200	0.0200	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21402	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0238 (1107237-07)			Lab File ID: 0723707.D			Analyzed: 08/01/11 21:52			
1,4-Dichlorobenzene-d4	605836	5.066	641291	5.06	94	50 - 200	0.0060	+/-0.50	
Naphthalene-d8	2345987	6.739	2368218	6.738	99	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1364767	8.95	1393961	8.955	98	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2276549	10.772	2323912	10.771	98	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2175159	14.399	2204930	14.404	99	50 - 200	-0.0050	+/-0.50	
Perylene-d12	2138240	16.937	2015925	16.925	106	50 - 200	0.0120	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21605	Instrument:	MS-BNA1
		Calibration:	1203001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21605-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/03/11 10:48			
1,4-Dichlorobenzene-d4	689840	5.858	589208	6.175	117	50 - 200	-0.3170	+/-0.50	
Naphthalene-d8	2344999	7.518	1805123	7.659	130	50 - 200	-0.1410	+/-0.50	
Acenaphthene-d10	1194189	9.746	929802	9.784	128	50 - 200	-0.0380	+/-0.50	
Phenanthrene-d10	1802920	11.544	1336901	11.594	135	50 - 200	-0.0500	+/-0.50	
Chrysene-d12	1217704	15.392	1158442	14.849	105	50 - 200	0.5430	+/-0.50	
Perylene-d12	757387	18.024	1074977	16.598	70	50 - 200	1.4260	+/-0.50	
LCS (1G28008-BS1)			Lab File ID: G28008L1.D			Analyzed: 08/03/11 11:21			
1,4-Dichlorobenzene-d4	725986	5.861	689840	5.858	105	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	2426605	7.522	2344999	7.518	103	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1307083	9.747	1194189	9.746	109	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2084841	11.546	1802920	11.544	116	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1660395	15.393	1217704	15.392	136	50 - 200	0.0010	+/-0.50	
Perylene-d12	1345465	18.029	757387	18.024	178	50 - 200	0.0050	+/-0.50	
Blank (1G28008-BLK1)			Lab File ID: G28008B1.D			Analyzed: 08/03/11 11:54			
1,4-Dichlorobenzene-d4	723676	5.863	689840	5.858	105	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	2420734	7.52	2344999	7.518	103	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1346051	9.738	1194189	9.746	113	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2090308	11.536	1802920	11.544	116	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1479559	15.387	1217704	15.392	122	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1115966	18.028	757387	18.024	147	50 - 200	0.0040	+/-0.50	
GW0207 (1107209-01)			Lab File ID: 0720901.D			Analyzed: 08/03/11 14:39			
1,4-Dichlorobenzene-d4	628791	5.857	689840	5.858	91	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2236914	7.522	2344999	7.518	95	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1053607	9.743	1194189	9.746	88	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	1570808	11.538	1802920	11.544	87	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1100867	15.389	1217704	15.392	90	50 - 200	-0.0030	+/-0.50	
Perylene-d12	786096	18.031	757387	18.024	104	50 - 200	0.0070	+/-0.50	
GW0242 (1107209-03)			Lab File ID: 0720903.D			Analyzed: 08/03/11 15:12			
1,4-Dichlorobenzene-d4	655570	5.858	689840	5.858	95	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2397681	7.524	2344999	7.518	102	50 - 200	0.0060	+/-0.50	
Acenaphthene-d10	1197314	9.746	1194189	9.746	100	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1839828	11.543	1802920	11.544	102	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1213426	15.396	1217704	15.392	100	50 - 200	0.0040	+/-0.50	
Perylene-d12	860780	18.029	757387	18.024	114	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21605	Instrument:	MS-BNA1
		Calibration:	1203001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0174 (1107224-01)			Lab File ID: 0722401.D			Analyzed: 08/03/11 22:19			
1,4-Dichlorobenzene-d4	606365	5.858	689840	5.858	88	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2003149	7.513	2344999	7.518	85	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	1090777	9.739	1194189	9.746	91	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1614623	11.537	1802920	11.544	90	50 - 200	-0.0070	+/-0.50	
Chrysene-d12	1074286	15.39	1217704	15.392	88	50 - 200	-0.0020	+/-0.50	
Perylene-d12	743443	18.029	757387	18.024	98	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21707	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21707-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/04/11 20:22			
1,4-Dichlorobenzene-d4	414407	5.01	473419	6.389	88	50 - 200	-1.3790	+/-0.50	
Naphthalene-d8	1563885	6.693	1697246	8.029	92	50 - 200	-1.3360	+/-0.50	
Acenaphthene-d10	941705	8.91	970176	10.251	97	50 - 200	-1.3410	+/-0.50	
Phenanthrene-d10	1636219	10.726	1609148	12.094	102	50 - 200	-1.3680	+/-0.50	
Chrysene-d12	1540585	14.337	1722869	16.261	89	50 - 200	-1.9240	+/-0.50	
Perylene-d12	1330614	16.854	1702026	19.012	78	50 - 200	-2.1580	+/-0.50	
Calibration Check (1H21707-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/04/11 21:04			
1,4-Dichlorobenzene-d4	567730	5.019	414407	5.01	137	50 - 200	0.0090	+/-0.50	
Naphthalene-d8	2172566	6.697	1563885	6.693	139	50 - 200	0.0040	+/-0.50	
Acenaphthene-d10	1265328	8.914	941705	8.91	134	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	2128538	10.735	1636219	10.726	130	50 - 200	0.0090	+/-0.50	
Chrysene-d12	1971624	14.341	1540585	14.337	128	50 - 200	0.0040	+/-0.50	
Perylene-d12	1909692	16.868	1330614	16.854	144	50 - 200	0.0140	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21802	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H21802-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/05/11 15:55			
1,4-Dichlorobenzene-d4	600845	4.983	473419	6.389	127	50 - 200	-1.4060	+/-0.50	
Naphthalene-d8	2164686	6.665	1697246	8.029	128	50 - 200	-1.3640	+/-0.50	
Acenaphthene-d10	1195092	8.882	970176	10.251	123	50 - 200	-1.3690	+/-0.50	
Phenanthrene-d10	1864873	10.699	1609148	12.094	116	50 - 200	-1.3950	+/-0.50	
Chrysene-d12	1586078	14.299	1722869	16.261	92	50 - 200	-1.9620	+/-0.50	
Perylene-d12	1535786	16.805	1702026	19.012	90	50 - 200	-2.2070	+/-0.50	
Calibration Check (1H21802-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/05/11 16:44			
1,4-Dichlorobenzene-d4	547878	4.985	600845	4.983	91	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2048958	6.667	2164686	6.665	95	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1132651	8.884	1195092	8.882	95	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	1730591	10.701	1864873	10.699	93	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1431837	14.291	1586078	14.299	90	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1439208	16.807	1535786	16.805	94	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22312	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H22312-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/10/11 22:06			
1,4-Dichlorobenzene-d4	427844	7.922	473419	6.389	90	50 - 200	1.5330	+/-0.50	
Naphthalene-d8	1659424	9.557	1697246	8.029	98	50 - 200	1.5280	+/-0.50	
Acenaphthene-d10	983111	11.769	970176	10.251	101	50 - 200	1.5180	+/-0.50	
Phenanthrene-d10	1594471	13.687	1609148	12.094	99	50 - 200	1.5930	+/-0.50	
Chrysene-d12	1376955	18.211	1722869	16.261	80	50 - 200	1.9500	+/-0.50	
Perylene-d12	1406096	21.294	1702026	19.012	83	50 - 200	2.2820	+/-0.50	
Blank (1H01006-BLK1)			Lab File ID: H01006B1.D			Analyzed: 08/11/11 01:01			
1,4-Dichlorobenzene-d4	409744	7.912	427844	7.922	96	50 - 200	-0.0100	+/-0.50	
Naphthalene-d8	1593248	9.541	1659424	9.557	96	50 - 200	-0.0160	+/-0.50	
Acenaphthene-d10	989604	11.753	983111	11.769	101	50 - 200	-0.0160	+/-0.50	
Phenanthrene-d10	1622576	13.665	1594471	13.687	102	50 - 200	-0.0220	+/-0.50	
Chrysene-d12	1536496	18.185	1376955	18.211	112	50 - 200	-0.0260	+/-0.50	
Perylene-d12	1483787	21.267	1406096	21.294	106	50 - 200	-0.0270	+/-0.50	
Matrix Spike (1H01006-MS2)			Lab File ID: 0725101M.D			Analyzed: 08/11/11 09:15			
1,4-Dichlorobenzene-d4	337720	7.92	427844	7.922	79	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1256182	9.55	1659424	9.557	76	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	736435	11.761	983111	11.769	75	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1163569	13.679	1594471	13.687	73	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	1035150	18.204	1376955	18.211	75	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1051512	21.286	1406096	21.294	75	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22413	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H22413-CCV1)			Lab File ID: SEQ-CCV3.D			Analyzed: 08/10/11 03:45			
1,4-Dichlorobenzene-d4	631135	7.947	473419	6.389	133	50 - 200	1.5580	+/-0.50	
Naphthalene-d8	2328150	9.582	1697246	8.029	137	50 - 200	1.5530	+/-0.50	
Acenaphthene-d10	1284076	11.793	970176	10.251	132	50 - 200	1.5420	+/-0.50	
Phenanthrene-d10	2145509	13.711	1609148	12.094	133	50 - 200	1.6170	+/-0.50	
Chrysene-d12	1906030	18.247	1722869	16.261	111	50 - 200	1.9860	+/-0.50	
Perylene-d12	1976977	21.345	1702026	19.012	116	50 - 200	2.3330	+/-0.50	
LCS (1H01006-BS2)			Lab File ID: H01006L1.D			Analyzed: 08/10/11 06:24			
1,4-Dichlorobenzene-d4	355725	7.951	631135	7.947	56	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	1304679	9.58	2328150	9.582	56	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	737616	11.792	1284076	11.793	57	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1221325	13.71	2145509	13.711	57	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1137921	18.245	1906030	18.247	60	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1145394	21.338	1976977	21.345	58	50 - 200	-0.0070	+/-0.50	
GW0145 (1107251-01)			Lab File ID: 0725101.D			Analyzed: 08/10/11 12:29			
1,4-Dichlorobenzene-d4	541209	7.938	631135	7.947	86	50 - 200	-0.0090	+/-0.50	
Naphthalene-d8	1991875	9.568	2328150	9.582	86	50 - 200	-0.0140	+/-0.50	
Acenaphthene-d10	1112068	11.785	1284076	11.793	87	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	1809174	13.702	2145509	13.711	84	50 - 200	-0.0090	+/-0.50	
Chrysene-d12	1647637	18.227	1906030	18.247	86	50 - 200	-0.0200	+/-0.50	
Perylene-d12	1682143	21.326	1976977	21.345	85	50 - 200	-0.0190	+/-0.50	
GW0143 (1108004-01)			Lab File ID: 0800401.D			Analyzed: 08/10/11 13:12			
1,4-Dichlorobenzene-d4	788381	7.944	631135	7.947	125	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2858448	9.573	2328150	9.582	123	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1623611	11.785	1284076	11.793	126	50 - 200	-0.0080	+/-0.50	
Phenanthrene-d10	2588389	13.703	2145509	13.711	121	50 - 200	-0.0080	+/-0.50	
Chrysene-d12	2397300	18.233	1906030	18.247	126	50 - 200	-0.0140	+/-0.50	
Perylene-d12	2460616	21.336	1976977	21.345	124	50 - 200	-0.0090	+/-0.50	
GW0150 (1108004-03)			Lab File ID: 0800403.D			Analyzed: 08/10/11 13:55			
1,4-Dichlorobenzene-d4	997072	7.946	631135	7.947	158	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	3577780	9.575	2328150	9.582	154	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	2011798	11.792	1284076	11.793	157	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	3163065	13.71	2145509	13.711	147	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2901526	18.24	1906030	18.247	152	50 - 200	-0.0070	+/-0.50	
Perylene-d12	2877753	21.35	1976977	21.345	146	50 - 200	0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22413	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0233 (1108004-05)			Lab File ID: 0800405.D			Analyzed: 08/10/11 14:37			
1,4-Dichlorobenzene-d4	780754	7.951	631135	7.947	124	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2926690	9.58	2328150	9.582	126	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1658611	11.792	1284076	11.793	129	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2631425	13.715	2145509	13.711	123	50 - 200	0.0040	+/-0.50	
Chrysene-d12	2306970	18.245	1906030	18.247	121	50 - 200	-0.0020	+/-0.50	
Perylene-d12	2182264	21.354	1976977	21.345	110	50 - 200	0.0090	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22707	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H22707-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 08/13/11 19:38			
1,4-Dichlorobenzene-d4	542595	7.877	473419	6.389	115	50 - 200	1.4880	+/-0.50	
Naphthalene-d8	2238820	9.507	1697246	8.029	132	50 - 200	1.4780	+/-0.50	
Acenaphthene-d10	1317921	11.724	970176	10.251	136	50 - 200	1.4730	+/-0.50	
Phenanthrene-d10	2067517	13.636	1609148	12.094	128	50 - 200	1.5420	+/-0.50	
Chrysene-d12	1604893	18.15	1722869	16.261	93	50 - 200	1.8890	+/-0.50	
Perylene-d12	1364339	21.211	1702026	19.012	80	50 - 200	2.1990	+/-0.50	
Calibration Check (1H22707-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 08/13/11 20:18			
1,4-Dichlorobenzene-d4	401986	7.861	542595	7.877	74	50 - 200	-0.0160	+/-0.50	
Naphthalene-d8	1502464	9.49	2238820	9.507	67	50 - 200	-0.0170	+/-0.50	
Acenaphthene-d10	850914	11.702	1317921	11.724	65	50 - 200	-0.0220	+/-0.50	
Phenanthrene-d10	1338122	13.614	2067517	13.636	65	50 - 200	-0.0220	+/-0.50	
Chrysene-d12	1154667	18.118	1604893	18.15	72	50 - 200	-0.0320	+/-0.50	
Perylene-d12	1084738	21.173	1364339	21.211	80	50 - 200	-0.0380	+/-0.50	
Matrix Spike Dup (1H01006-MSD2)			Lab File ID: 0725101S.D			Analyzed: 08/14/11 05:39			
1,4-Dichlorobenzene-d4	531308	7.855	542595	7.877	98	50 - 200	-0.0220	+/-0.50	
Naphthalene-d8	2050024	9.485	2238820	9.507	92	50 - 200	-0.0220	+/-0.50	
Acenaphthene-d10	1190138	11.696	1317921	11.724	90	50 - 200	-0.0280	+/-0.50	
Phenanthrene-d10	1822044	13.603	2067517	13.636	88	50 - 200	-0.0330	+/-0.50	
Chrysene-d12	1391810	18.112	1604893	18.15	87	50 - 200	-0.0380	+/-0.50	
Perylene-d12	1337396	21.168	1364339	21.211	98	50 - 200	-0.0430	+/-0.50	
GW0175 (1107224-03)			Lab File ID: 0722403.D			Analyzed: 08/14/11 06:19			
1,4-Dichlorobenzene-d4	788501	7.865	542595	7.877	145	50 - 200	-0.0120	+/-0.50	
Naphthalene-d8	2986247	9.495	2238820	9.507	133	50 - 200	-0.0120	+/-0.50	
Acenaphthene-d10	1727978	11.706	1317921	11.724	131	50 - 200	-0.0180	+/-0.50	
Phenanthrene-d10	2599355	13.613	2067517	13.636	126	50 - 200	-0.0230	+/-0.50	
Chrysene-d12	2304969	18.122	1604893	18.15	144	50 - 200	-0.0280	+/-0.50	
Perylene-d12	2250613	21.189	1364339	21.211	165	50 - 200	-0.0220	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22708	Instrument:	MS-BNA3
		Calibration:	1122001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (1H22708-CCV1)			Lab File ID: SEQ-CCV3.D			Analyzed: 08/14/11 07:26			
1,4-Dichlorobenzene-d4	726850	7.86	473419	6.389	154	50 - 200	1.4710	+/-0.50	
Naphthalene-d8	2649105	9.495	1697246	8.029	156	50 - 200	1.4660	+/-0.50	
Acenaphthene-d10	1508362	11.706	970176	10.251	155	50 - 200	1.4550	+/-0.50	
Phenanthrene-d10	2347386	13.619	1609148	12.094	146	50 - 200	1.5250	+/-0.50	
Chrysene-d12	1869324	18.133	1722869	16.261	109	50 - 200	1.8720	+/-0.50	
Perylene-d12	1764498	21.183	1702026	19.012	104	50 - 200	2.1710	+/-0.50	
Calibration Check (1H22708-CCV2)			Lab File ID: SEQ-CCV4.D			Analyzed: 08/14/11 08:06			
1,4-Dichlorobenzene-d4	815782	7.865	726850	7.86	112	50 - 200	0.0050	+/-0.50	
Naphthalene-d8	3035501	9.495	2649105	9.495	115	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1705873	11.706	1508362	11.706	113	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2632691	13.619	2347386	13.619	112	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2219713	18.122	1869324	18.133	119	50 - 200	-0.0110	+/-0.50	
Perylene-d12	2088536	21.189	1764498	21.183	118	50 - 200	0.0060	+/-0.50	
GW0239 (1107224-05)			Lab File ID: 0722405.D			Analyzed: 08/14/11 09:26			
1,4-Dichlorobenzene-d4	910509	7.858	726850	7.86	125	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	3378100	9.488	2649105	9.495	128	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1966305	11.699	1508362	11.706	130	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2944844	13.606	2347386	13.619	125	50 - 200	-0.0130	+/-0.50	
Chrysene-d12	2652593	18.115	1869324	18.133	142	50 - 200	-0.0180	+/-0.50	
Perylene-d12	2726159	21.181	1764498	21.183	155	50 - 200	-0.0020	+/-0.50	
GW0241 (1108004-07)			Lab File ID: 0800407.D			Analyzed: 08/14/11 11:28			
1,4-Dichlorobenzene-d4	674057	7.859	726850	7.86	93	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2534642	9.489	2649105	9.495	96	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1464567	11.7	1508362	11.706	97	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2215373	13.607	2347386	13.619	94	50 - 200	-0.0120	+/-0.50	
Chrysene-d12	1953637	18.111	1869324	18.133	105	50 - 200	-0.0220	+/-0.50	
Perylene-d12	1894373	21.177	1764498	21.183	107	50 - 200	-0.0060	+/-0.50	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	5	1.200562	10	1.152068	20	1.149698	40	1.01509	50	1.06599	60	1.118857
Acenaphthylene	5	1.910563	10	1.856652	20	1.834023	40	1.577506	50	1.649651	60	1.70743
Acetophenone												
Aniline	5	2.209836	10	2.190225	20	2.226457	40	1.982043	50	1.974254	60	2.113941
Anthracene	5	1.235784	10	1.151973	20	1.14753	40	1.011014	50	1.041804	60	1.073498
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.168873	10	1.137636	20	1.197714	40	1.06755	50	1.06548	60	1.128806
Benzo(a)pyrene	5	1.036259	10	1.04972	20	1.089412	40	0.978414	50	1.01499	60	1.072439
Benzo(b)fluoranthene	5	1.078112	10	1.060484	20	1.153792	40	1.054294	50	1.040864	60	1.109427
Benzo(g,h,i)perylene	5	1.006605	10	1.027385	20	1.089672	40	0.9762424	50	0.9956835	60	1.072671
Benzoic acid	5	~~0.1631144~~	10	0.2066539	20	0.2735507	40	0.2647946	50	0.2615823	60	0.2878177
Benzo(k)fluoranthene	5	1.172096	10	1.160073	20	1.151865	40	1.001281	50	1.065575	60	1.126634
Benzyl alcohol	5	0.8617163	10	0.8673336	20	0.9412286	40	0.808192	50	0.8346686	60	0.8710511
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2469078	10	0.2344633	20	0.2370065	40	0.2123191	50	0.2163411	60	0.2281563
Butylbenzylphthalate	5	0.5079049	10	0.5154742	20	0.5455854	40	0.4854733	50	0.5006547	60	0.5266863
Caprolactam												
Carbazole	5	1.169471	10	1.105756	20	1.083785	40	0.9685984	50	0.99038	60	1.035201
4-Chloro-3-methylphenol	5	0.3271885	10	0.3156005	20	0.3315254	40	0.2968659	50	0.2942781	60	0.3089769
4-Chloroaniline	5	0.4539725	10	0.4453658	20	0.4574864	40	0.3980506	50	0.4035257	60	0.4178278
Bis(2-chloroethoxy)methane	5	0.4611163	10	0.4509887	20	0.460769	40	0.4019167	50	0.4004393	60	0.4227313
Bis(2-chloroethyl)ether	5	1.398969	10	1.365362	20	1.373354	40	1.207943	50	1.239815	60	1.295529
2,2'-Oxybis-1-chloropropane	5	2.104681	10	2.038633	20	2.090222	40	1.80177	50	1.872962	60	1.941936
2-Chloronaphthalene	5	1.200232	10	1.154849	20	1.147532	40	0.9888028	50	1.039189	60	1.079545
2-Chlorophenol	5	1.387384	10	1.360711	20	1.391404	40	1.228533	50	1.258319	60	1.325553
4-Chlorophenyl phenyl ether	5	0.6722867	10	0.629193	20	0.6336897	40	0.5730243	50	0.5907893	60	0.627927
Chrysene	5	1.151174	10	1.091951	20	1.107031	40	0.961258	50	1.014375	60	1.04624
Dibenz(a,h)anthracene	5	0.946806	10	0.9506035	20	1.063357	40	0.9536154	50	0.9816955	60	1.050817
Dibenzofuran	5	1.690636	10	1.625618	20	1.605227	40	1.390488	50	1.466559	60	1.521719

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	5	1.291838	10	1.2633	20	1.265435	40	1.093081	50	1.140461	60	1.174317
1,4-Dichlorobenzene	5	1.568025	10	1.509793	20	1.523558	40	1.3491	50	1.379529	60	1.434978
1,3-Dichlorobenzene	5	1.574354	10	1.479601	20	1.519922	40	1.320874	50	1.355106	60	1.4173
1,2-Dichlorobenzene	5	1.465806	10	1.434433	20	1.426883	40	1.255848	50	1.293523	60	1.343582
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.3169391	10	0.3145317	20	0.322702	40	0.288284	50	0.289789	60	0.3069296
Diethylphthalate	5	1.32063	10	1.261619	20	1.254918	40	1.085716	50	1.152411	60	1.190047
2,4-Dimethylphenol	5	0.3841369	10	0.3702076	20	0.3829536	40	0.3415762	50	0.3440076	60	0.3643064
Dimethyl phthalate	5	1.355168	10	1.307581	20	1.304618	40	1.153295	50	1.191277	60	1.235793
4,6-Dinitro-2-methylphenol	5	0.1210854	10	0.1305908	20	0.1540064	40	0.145401	50	0.1462314	60	0.1562021
2,4-Dinitrophenol	5	~~0.1243362~~	10	0.141284	20	0.1848834	40	0.1803434	50	0.1820099	60	0.2006313
2,4-Dinitrotoluene	5	0.3918149	10	0.3987171	20	0.4082577	40	0.3613843	50	0.3748928	60	0.3995306
2,6-Dinitrotoluene	5	0.3173778	10	0.3102615	20	0.3152494	40	0.2767322	50	0.2875841	60	0.301629
Di-n-octylphthalate	5	1.129653	10	1.174165	20	1.286397	40	1.152356	50	1.187184	60	1.252792
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.9395803	10	0.8941122	20	0.9022896	40	0.7910616	50	0.8117722	60	0.8483397
Bis(2-ethylhexyl)phthalate	5	0.6809116	10	0.696049	20	0.7240521	40	0.6392159	50	0.667684	60	0.6908073
Fluoranthene	5	1.315024	10	1.285888	20	1.299553	40	1.150257	50	1.178525	60	1.237456
Fluorene	5	1.427943	10	1.37776	20	1.393796	40	1.23256	50	1.283604	60	1.352245
2-Fluorobiphenyl	5	1.379787	10	1.332113	20	1.323566	40	1.162246	50	1.222403	60	1.258599
2-Fluorophenol	10	1.214211	20	1.184901	40	1.215741	80	1.07233	100	1.096515	120	1.1412
Hexachlorobenzene	5	0.2642514	10	0.2518966	20	0.2524031	40	0.2278087	50	0.2304762	60	0.2443057
Hexachlorobutadiene	5	0.1958535	10	0.1924169	20	0.197703	40	0.1758159	50	0.1782143	60	0.1853061
Hexachlorocyclopentadiene	5	0.3479271	10	0.3459221	20	0.3868304	40	0.357985	50	0.3703015	60	0.3962933
Hexachloroethane	5	0.5846331	10	0.56404	20	0.5729063	40	0.5094484	50	0.5215085	60	0.5497472
Indeno(1,2,3-cd)pyrene	5	0.9329214	10	0.9621318	20	1.063819	40	1.008596	50	0.9848949	60	1.105305
Isophorone	5	0.7896668	10	0.7714455	20	0.7883782	40	0.7034726	50	0.7013248	60	0.7443144
1-Methylnaphthalene	5	0.6441305	10	0.6180163	20	0.6239926	40	0.54737	50	0.5549955	60	0.5772563
2-Methylnaphthalene	5	0.6435821	10	0.6278223	20	0.6404808	40	0.5564928	50	0.5627111	60	0.5897258
2-Methylphenol	5	1.260273	10	1.251825	20	1.277152	40	1.131961	50	1.167884	60	1.218514

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol/4-Methylphenol	5	1.331706	10	1.290792	20	1.346713	40	1.190219	50	1.206537	60	1.281773
Naphthalene	5	1.122107	10	1.071727	20	1.07583	40	0.9265709	50	0.94301	60	0.973957
4-Nitroaniline	5	0.3430184	10	0.3360743	20	0.3479662	40	0.3116398	50	0.3255681	60	0.3397148
3-Nitroaniline	5	0.3309603	10	0.3378271	20	0.3400208	40	0.3008812	50	0.3121727	60	0.3258531
2-Nitroaniline	5	0.3665605	10	0.3700264	20	0.3853216	40	0.3493316	50	0.3598085	60	0.3803924
Nitrobenzene	5	0.4362066	10	0.4207695	20	0.4376126	40	0.3908491	50	0.3913832	60	0.4109914
Nitrobenzene-d5	5	0.4225447	10	0.4166832	20	0.4326009	40	0.3896115	50	0.3855663	60	0.4106561
4-Nitrophenol	5	0.229719	10	0.2494493	20	0.2828897	40	0.265577	50	0.2743758	60	0.2955233
2-Nitrophenol	5	0.1962052	10	0.1951651	20	0.2085142	40	0.1870232	50	0.1859271	60	0.198001
N-Nitrosodimethylamine	5	0.7020853	10	0.6974494	20	0.7179495	40	0.6502823	50	0.6591353	60	0.6915263
N-Nitrosodiphenylamine	5	0.7447467	10	0.702659	20	0.7022588	40	0.6229357	50	0.6399909	60	0.6681725
N-Nitroso-di-n-propylamine	5	1.084962	10	1.067234	20	1.095671	40	0.964017	50	0.9910933	60	1.042096
Pentachlorophenol	5	0.1466429	10	0.1458785	20	0.1722191	40	0.1555052	50	0.1599187	60	0.1729039
Phenanthrene	5	1.199467	10	1.144802	20	1.134825	40	0.990132	50	1.022705	60	1.064225
Phenol	5	1.763803	10	1.739868	20	1.780402	40	1.57708	50	1.605923	60	1.698477
Phenol-d6	10	1.662802	20	1.633678	40	1.679837	80	1.464852	100	1.513167	120	1.571116
Pyrene	5	1.262746	10	1.222088	20	1.241454	40	1.08272	50	1.115517	60	1.160478
Pyridine	5	1.508911	10	1.473681	20	1.566124	40	1.419584	50	1.429577	60	1.495931
Terphenyl-d14	5	0.7819621	10	0.7712491	20	0.7866967	40	0.6961461	50	0.7143354	60	0.753249
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.3424646	10	0.3390161	20	0.3503973	40	0.3066535	50	0.3206907	60	0.3389603
2,4,6-Tribromophenol	10	0.1109002	20	0.1068303	40	0.1114174	80	0.1032482	100	0.1035542	120	0.1120766
1,2,4-Trichlorobenzene	5	0.3746386	10	0.3584824	20	0.362458	40	0.320971	50	0.3209222	60	0.3385883
2,4,6-Trichlorophenol	5	0.3830191	10	0.3817827	20	0.3990224	40	0.3592382	50	0.3644658	60	0.395434
2,4,5-Trichlorophenol	5	0.4211802	10	0.4132209	20	0.4400895	40	0.3862672	50	0.4032646	60	0.4189467

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	80	1.070428	100	1.110154								
Acenaphthylene	80	1.618735	100	1.647107								
Acetophenone					5	1.880226	10	1.843684	20	1.726817	40	1.816985
Aniline	80	2.054588	100	2.043831								
Anthracene	80	1.035715	100	1.04405								
Atrazine					5	0.2382708	10	0.2429518	20	0.2278142	40	0.233576
Benzaldehyde					5	1.135886	10	1.104348	20	1.01959	40	1.026186
Benzidine					5	0.6324675	10	0.6598514	20	0.6461027	40	0.6640134
Benzo(a)anthracene	80	1.085495	100	1.102825								
Benzo(a)pyrene	80	1.043055	100	1.082603								
Benzo(b)fluoranthene	80	1.094292	100	1.158321								
Benzo(g,h,i)perylene	80	1.029641	100	1.06721								
Benzoic acid	80	0.2818719	100	0.2993054								
Benzo(k)fluoranthene	80	1.086365	100	1.097945								
Benzyl alcohol	80	0.8753887	100	0.8745454								
1,1-Biphenyl					5	1.527091	10	1.51435	20	1.38327	40	1.425931
4-Bromophenyl-phenylether	80	0.2212953	100	0.2313328								
Butylbenzylphthalate	80	0.506124	100	0.5159519								
Caprolactam					5	9.990739E-02	10	0.1104282	20	0.1119224	40	0.1178965
Carbazole	80	0.9981409	100	1.003717								
4-Chloro-3-methylphenol	80	0.3086181	100	0.3077652								
4-Chloroaniline	80	0.4023406	100	0.4016907								
Bis(2-chloroethoxy)methane	80	0.4085309	100	0.4094061								
Bis(2-chloroethyl)ether	80	1.257639	100	1.244128								
2,2'-Oxybis-1-chloropropane	80	1.890831	100	1.835877								
2-Chloronaphthalene	80	1.026935	100	1.065042								
2-Chlorophenol	80	1.285464	100	1.282664								
4-Chlorophenyl phenyl ether	80	0.6214753	100	0.6384061								
Chrysene	80	0.9983804	100	1.012507								
Dibenz(a,h)anthracene	80	1.023862	100	1.065065								
Dibenzofuran	80	1.474077	100	1.5066								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	80	1.11586	100	1.111806								
1,4-Dichlorobenzene	80	1.392334	100	1.402334								
1,3-Dichlorobenzene	80	1.374133	100	1.380718								
1,2-Dichlorobenzene	80	1.303595	100	1.306451								
3,3'-Dichlorobenzidine					5	0.3885638	10	0.4002254	20	0.3955931	40	0.4201307
2,6-Dichlorophenol					5	0.2969206	10	0.3013649	20	0.291966	40	0.3082091
2,4-Dichlorophenol	80	0.2966112	100	0.3015958								
Diethylphthalate	80	1.134853	100	1.157654								
2,4-Dimethylphenol	80	0.3587442	100	0.3633549								
Dimethyl phthalate	80	1.185465	100	1.222328								
4,6-Dinitro-2-methylphenol	80	0.1522534	100	0.1575479								
2,4-Dinitrophenol	80	0.2006293	100	0.2082968								
2,4-Dinitrotoluene	80	0.395113	100	0.4141599								
2,6-Dinitrotoluene	80	0.2878134	100	0.2968419								
Di-n-octylphthalate	80	1.208456	100	1.243757								
1,4-Dioxane					5	0.562493	10	0.5588019	20	0.5235447	40	0.5233689
1,2-Diphenylhydrazine	80	0.8016431	100	0.8168839								
Bis(2-ethylhexyl)phthalate	80	0.6617696	100	0.6739699								
Fluoranthene	80	1.192481	100	1.211512								
Fluorene	80	1.305665	100	1.326577								
2-Fluorobiphenyl	80	1.204291	100	1.24033								
2-Fluorophenol	160	1.101251	200	1.111221								
Hexachlorobenzene	80	0.2366873	100	0.2470671								
Hexachlorobutadiene	80	0.1811536	100	0.1883923								
Hexachlorocyclopentadiene	80	0.3839658	100	0.4105745								
Hexachloroethane	80	0.5306981	100	0.5387239								
Indeno(1,2,3-cd)pyrene	80	1.075263	100	1.17113								
Isophorone	80	0.7247781	100	0.7308301								
1-Methylnaphthalene	80	0.5632671	100	0.5691244								
2-Methylnaphthalene	80	0.577124	100	0.5814146								
2-Methylphenol	80	1.186174	100	1.175301								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol/4-Methylphenol	80	1.25282	100	1.246708								
Naphthalene	80	0.929288	100	0.9247047								
4-Nitroaniline	80	0.3041842	100	0.3101441								
3-Nitroaniline	80	0.3160066	100	0.3209305								
2-Nitroaniline	80	0.3679269	100	0.3808217								
Nitrobenzene	80	0.3959025	100	0.4026269								
Nitrobenzene-d5	80	0.3956873	100	0.4070452								
4-Nitrophenol	80	0.2875644	100	0.2922439								
2-Nitrophenol	80	0.1898848	100	0.1924385								
N-Nitrosodimethylamine	80	0.6770774	100	0.6814722								
N-Nitrosodiphenylamine	80	0.6421856	100	0.6601622								
N-Nitroso-di-n-propylamine	80	1.01735	100	1.009302								
Pentachlorophenol	80	0.1689527	100	0.1764541								
Phenanthrene	80	1.02087	100	1.029906								
Phenol	80	1.657873	100	1.678155								
Phenol-d6	160	1.528019	200	1.530415								
Pyrene	80	1.10517	100	1.119951								
Pyridine	80	1.469181	100	1.49947								
Terphenyl-d14	80	0.7229046	100	0.7432138								
1,2,4,5-Tetrachlorobenzene					5	0.3479122	10	0.3558868	20	0.3284806	40	0.3388667
2,3,4,6-Tetrachlorophenol	80	0.3293547	100	0.3450346								
2,4,6-Tribromophenol	160	0.1116489	200	0.1192761								
1,2,4-Trichlorobenzene	80	0.3260549	100	0.3352601								
2,4,6-Trichlorophenol	80	0.3790248	100	0.3940451								
2,4,5-Trichlorophenol	80	0.4068398	100	0.4243071								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene												
Acenaphthylene												
Acetophenone	50	1.789068	60	1.770735	80	1.812049	100	1.776326				
Aniline												
Anthracene												
Atrazine	50	0.2359177	60	0.2321698	80	0.234271	100	0.2307739				
Benzaldehyde	50	0.9817363	60	0.9635899	80	0.9526789	100	0.8968237				
Benzidine	50	0.6420753	60	0.6442256	80	0.6312912	100	0.6103486				
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	50	1.43195	60	1.402475	80	1.465295	100	1.405265				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1144193	60	0.1176165	80	0.1139048	100	0.1166416				
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												
Dibenzofuran												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_021	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1122001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	4/29/11 17:45	4/30/11 1:58

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
3,3'-Dichlorobenzidine	50	0.412504	60	0.4101255	80	0.4135013	100	0.4131389				
2,6-Dichlorophenol	50	0.2904992	60	0.3021215	80	0.2987647	100	0.297978				
2,4-Dichlorophenol												
Diethylphthalate												
2,4-Dimethylphenol												
Dimethyl phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
Di-n-octylphthalate												
1,4-Dioxane	50	0.5272408	60	0.5401001	80	0.5695672	100	0.5195493				
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50	0.3278198	60	0.3307788	80	0.3290598	100	0.3234578				
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1122001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	4/29/11 17:45 4/30/11 1:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.110356	5.288294	10.29162	9.343479E-02			CCC (30)	
Acenaphthylene	1.725208	7.224824	10.072	8.837624E-02			15	
Acetophenone	1.801986	2.623006	6.9	0.0512758			15	
Aniline	2.099397	4.80832	5.967	0.2001409			15	
Anthracene	1.092671	7.109126	12.18775	7.884876E-02			15	
Atrazine	0.2344682	1.991174	11.74575	4.943708E-02			15	
Benzaldehyde	1.010105	7.8623	5.825625	7.236361E-02			15	
Benzidine	0.641297	2.654444	13.97425	4.038824E-02			15	
Benzo(a)anthracene	1.119297	4.274256	16.23525	0.0816524			15	
Benzo(a)pyrene	1.045862	3.535372	18.9035	0.1146499			CCC (30)	
Benzo(b)fluoranthene	1.093698	4.048684	18.29662	0.1113231			15	
Benzo(g,h,i)perylene	1.033139	3.890507	21.8865	0.2082456			15	
Benzoic acid	0.2679395	11.20774	7.781571	0.6947302			15	
Benzo(k)fluoranthene	1.107729	5.157608	18.3555	0.1297645			15	
Benzyl alcohol	0.8667655	4.400746	6.566875	0.2166256			15	
1,1-Biphenyl	1.444453	3.67168	9.52625	3.810599E-02			15	
4-Bromophenyl-phenylether	0.2284778	5.008023	11.5395	7.035777E-02			15	
Butylbenzylphthalate	0.5129818	3.492852	15.25225	6.767508E-02			15	
Caprolactam	0.1128421	5.193073	8.55075	0.1563915			15	
Carbazole	1.044381	6.624112	12.39137	8.639464E-02			15	
4-Chloro-3-methylphenol	0.3113523	4.210752	8.736125	0.1038012			CCC (30)	
4-Chloroaniline	0.4225325	6.03815	8.122625	0.1175516			15	
Bis(2-chloroethoxy)methane	0.4269873	6.185735	7.725875	0.1308561			15	
Bis(2-chloroethyl)ether	1.297842	5.559542	6.0525	0.1902114			15	
2,2'-Oxybis-1-chloropropane	1.947114	6.010514	6.7435	0.131801			15	
2-Chloronaphthalene	1.087766	6.697993	9.5495	8.079271E-02			15	
2-Chlorophenol	1.315004	4.624341	6.11375	0.1645746			15	
4-Chlorophenyl phenyl ether	0.6233489	4.843106	10.93262	7.540016E-02			15	
Chrysene	1.047865	6.082994	16.30862	0.1078386			15	
Dibenz(a,h)anthracene	1.004478	5.185987	21.30563	0.1755433			15	
Dibenzofuran	1.535116	6.402871	10.50525	9.099792E-02			15	
Di-n-butylphthalate	1.182012	6.755144	12.86425	6.288496E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	1122001	Instrument:	MS-BNA3		
Matrix:	Water	Calibration Dates:	4/29/11 17:45	4/30/11 1:58	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.444956	5.466992	6.410625	0.1248613			CCC (30)	
1,3-Dichlorobenzene	1.427751	6.184247	6.312875	0.105711			15	
1,2-Dichlorobenzene	1.353765	5.754592	6.6015	9.658535E-02			15	
3,3'-Dichlorobenzidine	0.4067228	2.64104	16.20337	3.259867E-02			15	
2,6-Dichlorophenol	0.298478	1.900014	8.1265	4.341722E-02			15	
2,4-Dichlorophenol	0.3046728	4.192991	7.844125	0.1362117			CCC (30)	
Diethylphthalate	1.194731	6.529918	10.80025	0.1137489			15	
2,4-Dimethylphenol	0.3636609	4.326675	7.594375	0.1603634			15	
Dimethyl phthalate	1.244441	5.685728	9.930375	0.1671862			15	
4,6-Dinitro-2-methylphenol	0.1454148	8.990807	11.00038	0.1679983			15	
2,4-Dinitrophenol	0.1854397	12.00123	10.33129	0.1179144			SPCC (0.05)	
2,4-Dinitrotoluene	0.3929838	4.396053	10.49525	0.1523157			15	
2,6-Dinitrotoluene	0.2991862	4.878435	9.996875	0.1438581			15	
Di-n-octylphthalate	1.204345	4.453456	17.67838	7.317373E-02			CCC (30)	
1,4-Dioxane	0.5405832	3.738713	2.966125	0.8455495			15	
1,2-Diphenylhydrazine	0.8507103	6.449686	11.13088	9.327424E-02			15	
Bis(2-ethylhexyl)phthalate	0.6793074	3.730629	16.37963	6.115675E-02			15	
Fluoranthene	1.233837	4.928638	13.7625	9.359244E-02			CCC (30)	
Fluorene	1.337519	4.748586	10.932	9.604146E-02			15	
2-Fluorobiphenyl	1.265417	5.80845	9.402	7.848969E-02			15	
2-Fluorophenol	1.142171	4.910943	4.735625	0.2045971			15	
Hexachlorobenzene	0.244362	5.01217	11.60775	8.043427E-02			15	
Hexachlorobutadiene	0.1868569	4.354219	8.211375	6.390464E-02			CCC (30)	
Hexachlorocyclopentadiene	0.374975	6.237495	9.13225	6.029786E-02			SPCC (0.05)	
Hexachloroethane	0.5464632	4.780526	7.037625	8.255052E-02			15	
Indeno(1,2,3-cd)pyrene	1.038008	7.706288	21.23487	0.170273			15	
Isophorone	0.7442763	4.76768	7.447	0.2320769			15	
1-Methylnaphthalene	0.5872691	6.161853	9.060125	8.180225E-02			15	
2-Methylnaphthalene	0.5974192	5.83852	8.935875	7.367129E-02			15	
2-Methylphenol	1.208635	4.251053	6.698875	0.1714391			15	
3-Methylphenol/4-Methylphenol	1.268409	4.36657	6.9085	0.2477057			15	
Naphthalene	0.9958993	8.109498	8.05525	8.805836E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_021	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1122001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	4/29/11 17:45	4/30/11 1:58

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Nitroaniline	0.3272887	5.141513	10.96663	0.2298598			15	
3-Nitroaniline	0.3230815	4.120647	10.20188	0.1592925			15	
2-Nitroaniline	0.3700237	3.241451	9.68	0.1125277			15	
Nitrobenzene	0.4107927	4.625764	7.1275	0.1614281			15	
Nitrobenzene-d5	0.4075494	4.033432	7.1015	0.150497			15	
4-Nitrophenol	0.2721678	8.409362	10.40112	0.1699928			SPCC (0.05)	
2-Nitrophenol	0.1941449	3.724196	7.534125	0.1204379			CCC (30)	
N-Nitrosodimethylamine	0.6846222	3.277107	3.268625	0.4561992			15	
N-Nitrosodiphenylamine	0.6728889	6.054145	11.08487	0.122818			CCC (30)	
N-Nitroso-di-n-propylamine	1.033966	4.50625	6.924	0.341437			SPCC (0.05)	
Pentachlorophenol	0.1623094	7.444736	11.84938	7.159059E-02			CCC (30)	
Phenanthrene	1.075866	6.933794	12.12375	8.032742E-02			15	
Phenol	1.687698	4.315264	5.922875	0.2981099			CCC (30)	
Phenol-d6	1.572986	4.940565	5.90625	0.2878739			15	
Pyrene	1.163766	5.943883	14.11538	0.0929633			15	
Pyridine	1.482807	3.139741	3.313875	0.4229696			15	
Terphenyl-d14	0.7462196	4.435474	14.37887	7.151091E-02			15	
1,2,4,5-Tetrachlorobenzene	0.3352828	3.377528	9.142125	3.575815E-02			15	
2,3,4,6-Tetrachlorophenol	0.3340715	4.320893	10.65287	9.534642E-02			15	
2,4,6-Tribromophenol	0.109869	4.778459	11.23037	0.1037614			15	
1,2,4-Trichlorobenzene	0.3421719	6.002622	7.953	8.322603E-02			15	
2,4,6-Trichlorophenol	0.382004	3.768651	9.2885	6.754752E-02			CCC (30)	
2,4,5-Trichlorophenol	0.4142645	3.869366	9.329125	9.747652E-02			15	

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1203001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

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	1.220878	10	1.118627	20	1.212567	40	1.085046	50	1.043914	60	1.052242
Acenaphthylene	5	1.94982	10	2.146404	20	1.823227	40	1.68579	50	1.661411	60	1.69419
Acetophenone												
Aniline	5	2.02499	10	2.162058	20	1.966631	40	2.001997	50	1.898633	60	1.897488
Anthracene	5	1.184955	10	1.081563	20	1.164455	40	1.091871	50	1.040675	60	0.9601388
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.162396	10	1.11186	20	1.213411	40	1.172758	50	1.123439	60	1.17446
Benzo(a)pyrene	5	1.028759	10	0.9828043	20	1.100819	40	1.122026	50	1.01213	60	1.049306
Benzo(b)fluoranthene	5	1.077629	10	1.039558	20	1.096949	40	1.152977	50	1.139324	60	1.106174
Benzo(g,h,i)perylene	5	0.8224602	10	0.7987842	20	0.8059861	40	0.7816645	50	0.7444304	60	0.6702291
Benzoic acid	5	0.1331081	10	0.1669506	20	0.2293679	40	0.2308795	50	0.2778284	60	0.2809271
Benzo(k)fluoranthene	5	1.29056	10	1.251448	20	1.316401	40	1.277549	50	1.091518	60	1.245353
Benzyl alcohol	5	0.8918595	10	0.9057471	20	0.8810121	40	0.8683949	50	0.8673854	60	0.8174535
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.231972	10	0.2409782	20	0.260483	40	0.2108992	50	0.239031	60	0.2319426
Butylbenzylphthalate	5	0.7540163	10	0.7862456	20	0.8246928	40	0.8176433	50	0.7199546	60	0.8287041
Caprolactam												
Carbazole	5	1.128219	10	1.02969	20	1.000536	40	0.8835432	50	0.8901069	60	0.8548234
4-Chloro-3-methylphenol	5	0.310694	10	0.2887984	20	0.2948105	40	0.2876101	50	0.2892545	60	0.2792311
4-Chloroaniline	5	0.4857113	10	0.4592316	20	0.4857785	40	0.4309516	50	0.4412442	60	0.4082374
Bis(2-chloroethoxy)methane	5	0.5100818	10	0.4912081	20	0.5153237	40	0.445233	50	0.4453259	60	0.4436365
Bis(2-chloroethyl)ether	5	1.442472	10	1.590034	20	1.374359	40	1.269574	50	1.300273	60	1.297892
2,2'-Oxybis-1-chloropropane	5	2.184818	10	2.306427	20	2.189966	40	2.011674	50	1.717134	60	1.712654
2-Chloronaphthalene	5	1.247416	10	1.208501	20	1.26931	40	1.16149	50	1.088393	60	1.064578
2-Chlorophenol	5	1.438581	10	1.288788	20	1.365938	40	1.295661	50	1.283665	60	1.204709
4-Chlorophenyl phenyl ether	5	0.5713084	10	0.574376	20	0.5688825	40	0.5386735	50	0.5253523	60	0.5281174
Chrysene	5	1.181379	10	1.170609	20	1.189425	40	1.176048	50	1.091368	60	1.142452
Dibenz(a,h)anthracene	5	0.7898291	10	0.7836814	20	0.7617359	40	0.8067768	50	0.7553903	60	0.6819198

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1203001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

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	1.576125	10	1.695587	20	1.726036	40	1.527336	50	1.475582	60	1.426709
Di-n-butylphthalate	5	1.469552	10	1.493537	20	1.485016	40	1.459402	50	1.385354	60	1.243875
1,4-Dichlorobenzene	5	1.565822	10	1.580467	20	1.482342	40	1.374248	50	1.327094	60	1.312307
1,3-Dichlorobenzene	5	1.564366	10	1.550635	20	1.466796	40	1.395741	50	1.410471	60	1.324776
1,2-Dichlorobenzene	5	1.485698	10	1.514043	20	1.430022	40	1.33701	50	1.283084	60	1.19311
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.318596	10	0.3480627	20	0.326904	40	0.2954511	50	0.3200354	60	0.319605
Diethylphthalate	5	1.66071	10	1.577697	20	1.524236	40	1.261	50	1.233003	60	1.223311
2,4-Dimethylphenol	5	0.3868736	10	0.3553646	20	0.3612511	40	0.3462765	50	0.3329041	60	0.3471536
Dimethyl phthalate	5	1.371102	10	1.473182	20	1.50951	40	1.243328	50	1.313868	60	1.251819
4,6-Dinitro-2-methylphenol	5	5.478294E-02	10	6.840982E-02	20	0.1071133	40	0.1333907	50	0.1503998	60	0.1421705
2,4-Dinitrophenol	5	~~5.062163E-02~~	10	6.237037E-02	20	0.1011521	40	0.1317647	50	0.1515695	60	0.1605612
2,4-Dinitrotoluene	5	0.3090174	10	0.3793169	20	0.4185296	40	0.3974313	50	0.3875191	60	0.3787391
2,6-Dinitrotoluene	5	0.3183163	10	0.3493131	20	0.3754144	40	0.3444299	50	0.3554451	60	0.3624102
Di-n-octylphthalate	5	1.6316	10	1.635798	20	1.910787	40	1.92312	50	1.690144	60	1.92358
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.9580609	10	1.008812	20	0.8802152	40	0.8420501	50	0.8308116	60	0.7998217
Bis(2-ethylhexyl)phthalate	5	0.9781605	10	1.042781	20	1.141739	40	1.073501	50	1.024078	60	1.086512
Fluoranthene	5	1.174554	10	1.119604	20	1.158582	40	1.010021	50	1.108267	60	1.002067
Fluorene	5	1.293421	10	1.21811	20	1.266726	40	1.122978	50	1.117687	60	1.11628
2-Fluorobiphenyl	5	1.345385	10	1.322831	20	1.520308	40	1.324401	50	1.225178	60	1.232052
2-Fluorophenol	10	1.351626	20	1.413124	40	1.336365	80	1.187975	100	1.20463	120	1.147634
Hexachlorobenzene	5	0.2665323	10	0.2655703	20	0.2697611	40	0.2648784	50	0.2590678	60	0.2544472
Hexachlorobutadiene	5	0.2026878	10	0.1856802	20	0.1853857	40	0.1781549	50	0.170282	60	0.1647461
Hexachlorocyclopentadiene	5	0.290428	10	0.3291612	20	0.3651913	40	0.3514916	50	0.367711	60	0.3489062
Hexachloroethane	5	0.6518942	10	0.6308284	20	0.5940863	40	0.5416978	50	0.5772956	60	0.5438372
Indeno(1,2,3-cd)pyrene	5	0.9892853	10	0.9494004	20	0.9327697	40	0.9464554	50	0.9040208	60	0.8189074
Isophorone	5	0.8217078	10	0.8399116	20	0.7783914	40	0.749957	50	0.7902478	60	0.746112
1-Methylnaphthalene	5	0.5974455	10	0.5823433	20	0.5405368	40	0.4803757	50	0.4934923	60	0.4820733
2-Methylnaphthalene	5	0.5430143	10	0.5513543	20	0.5312456	40	0.4988652	50	0.4906803	60	0.4548918
2-Methylphenol	5	1.286482	10	1.250346	20	1.247537	40	1.126521	50	1.096435	60	1.008644

INITIAL CALIBRATION DATA

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1203001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11_15:40 1/26/11_22:49

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol/4-Methylphenol	5	1.253529	10	1.307357	20	1.301847	40	1.200152	50	1.183712	60	1.087107
Naphthalene	5	1.116486	10	1.119735	20	1.067584	40	0.9710557	50	0.9156539	60	0.8994825
4-Nitroaniline	5	0.2224683	10	0.2128799	20	0.1693595	40	0.2175572	50	0.2554806	60	0.2397759
3-Nitroaniline	5	0.3255846	10	0.3423936	20	0.370489	40	0.3366752	50	0.3401997	60	0.3519287
2-Nitroaniline	5	0.2654652	10	0.3352421	20	0.3339656	40	0.3505404	50	0.3128572	60	0.3442502
Nitrobenzene	5	0.3891568	10	0.4016634	20	0.3673868	40	0.3628202	50	0.3639734	60	0.3552985
Nitrobenzene-d5	5	0.3956987	10	0.3972185	20	0.3663041	40	0.3665365	50	0.3848744	60	0.3536817
4-Nitrophenol	5	0.1497267	10	0.1860405	20	0.2060501	40	0.1954678	50	0.2163265	60	0.210757
2-Nitrophenol	5	0.2103668	10	0.2175712	20	0.2231657	40	0.2457888	50	0.2287002	60	0.2342643
N-Nitrosodimethylamine	5	0.4875363	10	0.5489131	20	0.5766276	40	0.6186587	50	0.5975275	60	0.5849924
N-Nitrosodiphenylamine	5	0.692447	10	0.7515103	20	0.7118897	40	0.6351697	50	0.6608435	60	0.6252076
N-Nitroso-di-n-propylamine	5	0.9311666	10	0.9269374	20	0.9262252	40	0.819147	50	0.8173453	60	0.7504894
Pentachlorophenol	5	0.1241727	10	0.1201355	20	0.1663006	40	0.1612227	50	0.1801354	60	0.1769821
Phenanthrene	5	1.200445	10	1.166657	20	1.130055	40	1.056359	50	1.059757	60	0.986977
Phenol	5	1.751446	10	1.879768	20	1.637272	40	1.637659	50	1.575537	60	1.559301
Phenol-d6	10	1.647681	20	1.763422	40	1.626008	80	1.603414	100	1.524433	120	1.494738
Pyrene	5	1.419325	10	1.399579	20	1.383023	40	1.359213	50	1.24653	60	1.29918
Pyridine	5	1.537536	10	1.635782	20	1.541409	40	1.602552	50	1.575985	60	1.509723
Terphenyl-d14	5	0.7926602	10	0.8057548	20	0.8474804	40	0.8784666	50	0.8111087	60	0.848248
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.2994616	10	0.3272414	20	0.3682806	40	0.3554998	50	0.3512989	60	0.3437278
2,4,6-Tribromophenol	10	0.1431756	20	0.1442165	40	0.1561332	80	0.1413181	100	0.1487108	120	0.1437723
1,2,4-Trichlorobenzene	5	0.3682245	10	0.3577617	20	0.3747519	40	0.3449513	50	0.3420562	60	0.3493295
2,4,6-Trichlorophenol	5	0.3758167	10	0.3963889	20	0.4193175	40	0.4066011	50	0.3828678	60	0.38452
2,4,5-Trichlorophenol	5	0.4069373	10	0.4358068	20	0.4686353	40	0.4421245	50	0.4433099	60	0.420189

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1203001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

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	0.345776	10	0.3735446	20	0.3383405	40	0.4092793
Acenaphthene	80	1.018418	100	0.9095531								
Acenaphthylene	80	1.475834	100	1.517921								
Acetophenone					5	1.718495	10	1.63753	20	1.524418	40	1.571136
Aniline	80	1.838443	100	1.811652								
Anthracene	80	0.986327	100	0.9420685								
Atrazine					5	0.1907566	10	0.1974337	20	0.2066576	40	0.208239
Benzaldehyde					5	1.141413	10	1.160982	20	1.025443	40	1.064124
Benzidine					5	0.4873597	10	0.5759976	20	0.629192	40	0.6726627
Benzo(a)anthracene	80	1.085961	100	1.065421								
Benzo(a)pyrene	80	1.049837	100	1.00649								
Benzo(b)fluoranthene	80	1.072877	100	1.114459								
Benzo(g,h,i)perylene	80	0.781589	100	0.6663042								
Benzoic acid	80	0.2779468	100	0.2820542								
Benzo(k)fluoranthene	80	1.178262	100	1.066763								
Benzyl alcohol	80	0.7987832	100	0.7636324								
1,1-Biphenyl					5	1.660318	10	1.616332	20	1.415179	40	1.433678
4-Bromophenyl-phenylether	80	0.2214796	100	0.2055715								
Butylbenzylphthalate	80	0.732991	100	0.6918112								
Caprolactam					5	0.119707	10	0.1253949	20	0.1145069	40	0.1360062
Carbazole	80	0.7878224	100	0.7760329								
4-Chloro-3-methylphenol	80	0.2602546	100	0.2512146								
4-Chloroaniline	80	0.4006734	100	0.4141308								
Bis(2-chloroethoxy)methane	80	0.4141729	100	0.4082329								
Bis(2-chloroethyl)ether	80	1.290856	100	1.209098								
2,2'-Oxybis-1-chloropropane	80	1.555193	100	1.808949								
2-Chloronaphthalene	80	1.019875	100	1.06234								
2-Chlorophenol	80	1.275381	100	1.260114								
4-Chlorophenyl phenyl ether	80	0.5055696	100	0.4550214								
Chrysene	80	1.03431	100	0.996392								
Dibenz(a,h)anthracene	80	0.8216482	100	0.7302443								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1203001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

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	1.272312	100	1.282609								
Di-n-butylphthalate	80	1.25377	100	1.212919								
1,4-Dichlorobenzene	80	1.202188	100	1.192058								
1,3-Dichlorobenzene	80	1.268259	100	1.304134								
1,2-Dichlorobenzene	80	1.152838	100	1.120647								
2,6-Dichlorophenol					5	0.3378312	10	0.327105	20	0.2967903	40	0.2951475
2,4-Dichlorophenol	80	0.3094633	100	0.3044136								
Diethylphthalate	80	1.164583	100	1.135723								
2,4-Dimethylphenol	80	0.310377	100	0.2939744								
Dimethyl phthalate	80	1.246384	100	1.163514								
4,6-Dinitro-2-methylphenol	80	0.141276	100	0.1458094								
2,4-Dinitrophenol	80	0.1730286	100	0.1784883								
2,4-Dinitrotoluene	80	0.3429866	100	0.3779481								
2,6-Dinitrotoluene	80	0.3355308	100	0.3457358								
Di-n-octylphthalate	80	1.727296	100	1.901108								
1,4-Dioxane					5	0.7076939	10	0.7115041	20	0.6327187	40	0.6201283
1,2-Diphenylhydrazine	80	0.7293861	100	0.6287272								
Bis(2-ethylhexyl)phthalate	80	0.9241547	100	0.9297745								
Fluoranthene	80	1.007234	100	1.002433								
Fluorene	80	1.079617	100	0.961522								
2-Fluorobiphenyl	80	1.237633	100	1.191409								
2-Fluorophenol	160	1.052205	200	1.104915								
Hexachlorobenzene	80	0.2593156	100	0.2389274								
Hexachlorobutadiene	80	0.1585373	100	0.1651874								
Hexachlorocyclopentadiene	80	0.3745824	100	0.3733202								
Hexachloroethane	80	0.5195182	100	0.5209373								
Indeno(1,2,3-cd)pyrene	80	0.9751703	100	0.8667418								
Isophorone	80	0.7366049	100	0.7091168								
1-Methylnaphthalene	80	0.4428706	100	0.4445212								
2-Methylnaphthalene	80	0.4483581	100	0.4288413								
2-Methylphenol	80	1.011912	100	1.054777								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1203001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol/4-Methylphenol	80	1.08938	100	1.065014								
Naphthalene	80	0.803674	100	0.8087121								
4-Nitroaniline	80	0.265351	100	0.2644746								
3-Nitroaniline	80	0.3683457	100	0.3506128								
2-Nitroaniline	80	0.3309131	100	0.3278767								
Nitrobenzene	80	0.316403	100	0.3115827								
Nitrobenzene-d5	80	0.3468868	100	0.3422753								
4-Nitrophenol	80	0.2207467	100	0.1969781								
2-Nitrophenol	80	0.2149201	100	0.2181142								
N-Nitrosodimethylamine	80	0.5484751	100	0.6183085								
N-Nitrosodiphenylamine	80	0.6238943	100	0.5782682								
N-Nitroso-di-n-propylamine	80	0.7585171	100	0.743702								
Pentachlorophenol	80	0.1807552	100	0.1820394								
Phenanthrene	80	0.9344506	100	0.9248322								
Phenol	80	1.423146	100	1.454171								
Phenol-d6	160	1.34971	200	1.445646								
Pyrene	80	1.21817	100	1.066224								
Pyridine	80	1.577055	100	1.61602								
Terphenyl-d14	80	0.7819749	100	0.7308347								
1,2,4,5-Tetrachlorobenzene					5	0.3041409	10	0.2738675	20	0.2545837	40	0.3138555
2,3,4,6-Tetrachlorophenol	80	0.317592	100	0.3289565								
2,4,6-Tribromophenol	160	0.1452231	200	0.1366756								
1,2,4-Trichlorobenzene	80	0.3106524	100	0.3076826								
2,4,6-Trichlorophenol	80	0.4245115	100	0.4173965								
2,4,5-Trichlorophenol	80	0.429527	100	0.4083834								

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_021	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1203001		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	1/26/11 15:40	1/26/11 22:49

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	0.4022903	60	0.4065188	80	0.4043308	100	0.3922965				
Acenaphthene												
Acenaphthylene												
Acetophenone	50	1.546064	60	1.573002	80	1.455533	100	1.415772				
Aniline												
Anthracene												
Atrazine	50	0.2045953	60	0.2127531	80	0.205928	100	0.2134976				
Benzaldehyde	50	0.9565525	60	0.9552402	80	0.9441259	100	0.8525288				
Benzidine	50	0.6711953	60	0.6374861	80	0.6973172	100	0.6804112				
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	1.271071	60	1.516557	80	1.359401	100	1.268587				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1337222	60	0.1317621	80	0.1321053	100	0.1188764				
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_021	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1203001	Instrument:	MS-BNA1	
Matrix:	Water	Calibration Dates:	1/26/11 15:40	1/26/11 22:49

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	0.3247614	60	0.3152692	80	0.3067876	100	0.3061152				
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	0.572512	60	0.6466837	80	0.6451679	100	0.6224177				
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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1203001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50	0.3096277	60	0.285836	80	0.2829317	100	0.2756055				
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_021	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1203001		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	1/26/11 15:40	1/26/11 22:49

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3,3'-Dichlorobenzidine	0.3840471	7.376639	14.80975	2.744989E-02			15	
Acenaphthene	1.082656	9.483861	9.821625	5.657461E-02			CCC (30)	
Acenaphthylene	1.744325	12.75083	9.605125	6.858755E-02			15	
Acetophenone	1.555244	6.168212	6.634375	7.218448E-02			15	
Aniline	1.950237	5.831973	5.807375	0.1033171			15	
Anthracene	1.056507	8.585156	11.68625	5.730172E-02			15	
Atrazine	0.2049826	3.718523	11.27987	9.895935E-02			15	
Benzaldehyde	1.012551	10.43666	5.684375	9.183361E-02			15	
Benzidine	0.6314527	11.01948	13.25575	3.711405E-02			15	
Benzo(a)anthracene	1.138713	4.414255	14.83125	3.720446E-02			15	
Benzo(a)pyrene	1.044021	4.547513	16.52988	3.873379E-02			CCC (30)	
Benzo(b)fluoranthene	1.099993	3.348838	16.14687	3.650013E-02			15	
Benzo(g,h,i)perylene	0.758931	7.95694	18.3315	6.411751E-02			15	
Benzoic acid	0.2348828	24.43774	7.4215	0.7447993	0.9967614		0.995	
Benzo(k)fluoranthene	1.214732	7.667493	16.18175	5.256876E-02			15	
Benzyl alcohol	0.8492835	5.904117	6.339625	0.134646			15	
1,1-Biphenyl	1.44264	10.16426	9.0865	7.580724E-02			15	
4-Bromophenyl-phenylether	0.2302946	7.64967	11.058	3.698206E-02			15	
Butylbenzylphthalate	0.7695073	6.808183	14.17538	0.0181131			15	
Caprolactam	0.1265101	6.344437	8.16975	0.2428858			15	
Carbazole	0.9188467	13.42596	11.88687	4.735667E-02			15	
4-Chloro-3-methylphenol	0.2827335	6.739682	8.335875	5.589678E-02			CCC (30)	
4-Chloroaniline	0.4407449	7.602189	7.752375	5.839612E-02			15	
Bis(2-chloroethoxy)methane	0.4591519	9.024325	7.3845	9.015245E-02			15	
Bis(2-chloroethyl)ether	1.34682	8.949026	5.887375	0.1010167			15	
2,2'-Oxybis-1-chloropropane	1.935852	14.19111	6.495	7.787477E-02			15	
2-Chloronaphthalene	1.140238	8.268771	9.102	5.514584E-02			15	
2-Chlorophenol	1.301605	5.44966	5.93325	0.0640218			15	
4-Chlorophenyl phenyl ether	0.5334126	7.569953	10.46213	3.392237E-02			15	
Chrysene	1.122748	6.57746	14.87787	4.224206E-02			15	
Dibenz(a,h)anthracene	0.7664032	5.859635	17.97362	4.666747E-02			15	
Dibenzofuran	1.497787	11.31125	10.03125	6.286963E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1203001	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	1/26/11 15:40 1/26/11 22:49

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Di-n-butylphthalate	1.375428	8.7109	12.34463	0.0340847			15	
1,4-Dichlorobenzene	1.379566	10.94327	6.191375	6.203767E-02			CCC (30)	
1,3-Dichlorobenzene	1.410647	7.838891	6.106	5.463781E-02			15	
1,2-Dichlorobenzene	1.314556	11.58735	6.360125	4.155267E-02			15	
2,6-Dichlorophenol	0.3137259	4.85245	7.75425	4.420223E-02			15	
2,4-Dichlorophenol	0.3178164	4.983191	7.490125	8.883757E-02			CCC (30)	
Diethylphthalate	1.347533	15.27684	10.34412	9.254366E-02	0.9972915		0.995	
2,4-Dimethylphenol	0.3417719	8.563731	7.26575	0.1065429			15	
Dimethyl phthalate	1.321588	9.15364	9.484625	0.1434108			15	
4,6-Dinitro-2-methylphenol	0.1179191	31.66593	10.527	0.1204279	0.9973104		0.995	
2,4-Dinitrophenol	0.1369907	30.78159	9.873571	9.653076E-02	0.9960785		SPCC (0.05)	
2,4-Dinitrotoluene	0.373936	9.021128	10.03375	9.903814E-02			15	
2,6-Dinitrotoluene	0.3483244	4.936864	9.545375	0.1119241			15	
Di-n-octylphthalate	1.792929	7.459237	15.71263	0.024866			CCC (30)	
1,4-Dioxane	0.6448533	7.152145	3.019375	0.1113753			15	
1,2-Diphenylhydrazine	0.8347356	14.48987	10.65375	4.850528E-02			15	
Bis(2-ethylhexyl)phthalate	1.025088	7.512427	14.90587	0.0193314			15	
Fluoranthene	1.072845	6.989047	13.07425	4.253064E-02			CCC (30)	
Fluorene	1.147043	9.444569	10.45175	5.284617E-02			15	
2-Fluorobiphenyl	1.2999	8.100223	8.967125	3.987571E-02			15	
2-Fluorophenol	1.224809	10.50462	4.742625	0.1316694			15	
Hexachlorobenzene	0.2598125	3.761925	11.1185	4.707497E-02			15	
Hexachlorobutadiene	0.1763327	8.243307	7.8355	4.165048E-02			CCC (30)	
Hexachlorocyclopentadiene	0.350099	8.135725	8.706625	3.605388E-02			SPCC (0.05)	
Hexachloroethane	0.5725119	8.716149	6.7485	3.321397E-02			15	
Indeno(1,2,3-cd)pyrene	0.9228439	6.186788	17.94762	5.505283E-02			15	
Isophorone	0.7715062	5.75882	7.1245	0.1880514			15	
1-Methylnaphthalene	0.5079573	11.64757	8.633	4.208229E-02			15	
2-Methylnaphthalene	0.4934064	9.372322	8.513125	5.344917E-02			15	
2-Methylphenol	1.135332	9.877222	6.461875	0.1007337			15	
3-Methylphenol/4-Methylphenol	1.186012	8.228414	6.647625	0.1700502			15	
Naphthalene	0.9627979	13.28902	7.679625	6.733623E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8270C

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_021	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1203001		Instrument:	MS-BNA1	
Matrix:	Water		Calibration Dates:	1/26/11 15:40	1/26/11 22:49

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
4-Nitroaniline	0.2309184	14.04035	10.48912	0.1289535			15	
3-Nitroaniline	0.3482787	4.427347	9.746125	0.1226337			15	
2-Nitroaniline	0.3251388	8.173006	9.237625	6.849578E-02			15	
Nitrobenzene	0.3585356	8.765722	6.833875	0.1095103			15	
Nitrobenzene-d5	0.3691845	5.802246	6.809875	9.945623E-02			15	
4-Nitrophenol	0.1977617	11.40524	9.955125	0.1174457			SPCC (0.05)	
2-Nitrophenol	0.2241114	5.190145	7.205375	6.189121E-02			CCC (30)	
N-Nitrosodimethylamine	0.5726299	7.635145	3.346125	0.1829083			15	
N-Nitrosodiphenylamine	0.6599038	8.482017	10.61075	6.517892E-02			CCC (30)	
N-Nitroso-di-n-propylamine	0.8341912	9.917141	6.653625	0.1894353			SPCC (0.05)	
Pentachlorophenol	0.1614679	15.71491	11.36463	3.521819E-02	0.9986717		CCC (30)	
Phenanthrene	1.057442	9.810503	11.62413	4.673016E-02			15	
Phenol	1.614787	9.276235	5.7815	0.2208323			CCC (30)	
Phenol-d6	1.556882	8.341379	5.768125	0.2252886			15	
Pyrene	1.298906	9.144153	13.35137	4.721813E-02			15	
Pyridine	1.574508	2.729928	3.381875	0.3664935			15	
Terphenyl-d14	0.812066	5.680165	13.56038	3.188842E-02			15	
1,2,4,5-Tetrachlorobenzene	0.2875561	7.072892	8.715	4.094783E-02			15	
2,3,4,6-Tetrachlorophenol	0.3365073	6.658431	10.18512	5.841319E-02			15	
2,4,6-Tribromophenol	0.1449031	3.921225	10.74725	8.448053E-02			15	
1,2,4-Trichlorobenzene	0.3444263	7.098703	7.588375	0.0361532			15	
2,4,6-Trichlorophenol	0.4009275	4.660839	8.857625	4.361742E-02			CCC (30)	
2,4,5-Trichlorophenol	0.4318641	4.727981	8.89625	5.449523E-02			15	

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1203001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/26/11
Lab Sample ID:	1B03208-ICV1	Injection Time:	23:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	48.86	1.082656	1.057895		-2.3	20
Acenaphthylene	A	50.00	53.91	1.744325	1.88061		7.8	20
Anthracene	A	50.00	54.49	1.056507	1.151439		9.0	20
Benzo(a)anthracene	A	50.00	48.79	1.138713	1.111173		-2.4	20
Benzo(a)pyrene	A	50.00	51.01	1.044021	1.065141		2.0	20
Benzo(b)fluoranthene	A	50.00	53.46	1.099993	1.176117		6.9	20
Benzo(g,h,i)perylene	A	50.00	48.22	0.758931	0.7319486		-3.6	20
Benzoic acid	L	50.00	49.49	0.2348828	0.2661538		-1.0	20
Benzo(k)fluoranthene	A	50.00	51.57	1.214732	1.252919		3.1	20
4-Bromophenyl-phenylether	A	50.00	50.34	0.2302946	0.2318677		0.7	20
Butylbenzylphthalate	A	50.00	48.50	0.7695073	0.7463976		-3.0	20
Carbazole	A	50.00	49.83	0.9188467	0.9156435		-0.3	20
4-Chloro-3-methylphenol	A	50.00	48.88	0.2827335	0.2763814		-2.2	20
4-Chloroaniline	A	50.00	48.88	0.4407449	0.4308957		-2.2	20
Bis(2-chloroethoxy)methane	A	50.00	48.87	0.4591519	0.4488008		-2.3	20
Bis(2-chloroethyl)ether	A	50.00	51.95	1.34682	1.39927		3.9	20
2,2'-Oxybis-1-chloropropane	A	50.00	52.78	1.935852	2.04349		5.6	20
2-Chloronaphthalene	A	50.00	54.43	1.140238	1.241253		8.9	20
2-Chlorophenol	A	50.00	55.87	1.301605	1.45441		11.7	20
4-Chlorophenyl phenyl ether	A	50.00	53.91	0.5334126	0.5751643		7.8	20
Chrysene	A	50.00	49.81	1.122748	1.118473		-0.4	20
Dibenz(a,h)anthracene	A	50.00	51.54	0.7664032	0.7899782		3.1	20
Dibenzofuran	A	50.00	53.13	1.497787	1.591559		6.3	20
Di-n-butylphthalate	A	50.00	53.06	1.375428	1.459543		6.1	20
2,4-Dichlorophenol	A	50.00	50.78	0.3178164	0.3228019		1.6	20
2,4-Dimethylphenol	A	50.00	53.12	0.3417719	0.363117		6.2	20
Dimethyl phthalate	A	50.00	46.62	1.321588	1.232204		-6.8	20
4,6-Dinitro-2-methylphenol	L	50.00	57.23	0.1179191	0.1614366		14.5	20
2,4-Dinitrotoluene	A	50.00	56.52	0.373936	0.4227034		13.0	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1203001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/26/11
Lab Sample ID:	1B03208-ICV1	Injection Time:	23:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,6-Dinitrotoluene	A	50.00	56.02	0.3483244	0.3902734		12.0	20
Di-n-octylphthalate	A	50.00	54.25	1.792929	1.945241		8.5	20
1,2-Diphenylhydrazine	A	50.00	55.94	0.8347356	0.9339785		11.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	48.68	1.025088	0.9980238		-2.6	20
Fluoranthene	A	50.00	53.77	1.072845	1.153832		7.5	20
Fluorene	A	50.00	54.89	1.147043	1.25925		9.8	20
Hexachlorobenzene	A	50.00	52.99	0.2598125	0.2753324		6.0	20
Hexachlorobutadiene	A	50.00	50.82	0.1763327	0.1792089		1.6	20
Hexachlorocyclopentadiene	A	50.00	53.52	0.350099	0.3747613	0.05	7.0	20
Hexachloroethane	A	50.00	51.75	0.5725119	0.5925988		3.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	50.45	0.9228439	0.9311681		0.9	20
Isophorone	A	50.00	44.69	0.7715062	0.6895249		-10.6	20
1-Methylnaphthalene	A	50.00	47.14	0.5079573	0.4789479		-5.7	20
2-Methylnaphthalene	A	50.00	47.28	0.4934064	0.4665976		-5.4	20
2-Methylphenol	A	50.00	55.42	1.135332	1.258309		10.8	20
3-Methylphenol/4-Methylphenol	A	50.00	48.86	1.186012	1.158893		-2.3	20
3-Nitroaniline	A	50.00	56.90	0.3482787	0.3963161		13.8	20
2-Nitroaniline	A	50.00	53.24	0.3251388	0.3462363		6.5	20
Nitrobenzene	A	50.00	45.58	0.3585356	0.3268608		-8.8	20
4-Nitrophenol	A	50.00	55.39	0.1977617	0.2190963	0.05	10.8	20
2-Nitrophenol	A	50.00	54.79	0.2241114	0.2455745		9.6	20
N-Nitrosodiphenylamine	A	50.00	56.39	0.6599038	0.7442938		12.8	20
N-Nitroso-di-n-propylamine	A	50.00	49.68	0.8341912	0.8288013	0.05	-0.6	20
Phenanthrene	A	50.00	56.16	1.057442	1.187789		12.3	20
Phenol	A	50.00	56.47	1.614787	1.823722		12.9	20
Pyrene	A	50.00	48.44	1.298906	1.258473		-3.1	20
2,4,6-Trichlorophenol	A	50.00	54.97	0.4009275	0.440817		9.9	20
2,4,5-Trichlorophenol	A	50.00	53.87	0.4318641	0.4652694		7.7	20
2-Fluorobiphenyl	A	50.00	56.18	1.2999	1.460568		12.4	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1203001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/26/11
Lab Sample ID:	1B03208-ICV1	Injection Time:	23:17

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2-Fluorophenol	A	100.0	113.8	1.224809	1.394017		13.8	20
Nitrobenzene-d5	A	50.00	51.69	0.3691845	0.3816462		3.4	20
Terphenyl-d14	A	50.00	45.39	0.812066	0.7371136		-9.2	20
2,4,6-Tribromophenol	A	100.0	118.8	0.1449031	0.1721949		18.8	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1203001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/26/11
Lab Sample ID:	1B03208-ICV2	Injection Time:	23:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
3,3'-Dichlorobenzidine	A	50.00	51.60	0.3840471	0.3963298		3.2	20
Acetophenone	A	50.00	51.76	1.555244	1.609954		3.5	20
Atrazine	A	50.00	52.28	0.2049826	0.214327		4.6	20
Benzaldehyde	A	50.00	43.46	1.012551	0.8801513		-13.1	20
Benzidine	A	50.00	50.30	0.6314527	0.6352446		0.6	20
1,1-Biphenyl	A	50.00	55.15	1.44264	1.591358		10.3	20
Caprolactam	A	50.00	55.66	0.1265101	0.1408405		11.3	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1203001
Lab File ID:	SEQ-ICV3.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/27/11
Lab Sample ID:	1B03208-ICV3	Injection Time:	00:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diethylphthalate	L	50.00	48.25	1.347533	1.174754		-3.5	20
2,4-Dinitrophenol	L	50.00	57.52	0.1369907	0.1861539	0.05	15.0	20
Pentachlorophenol	L	50.00	58.37	0.1614679	0.2074009		16.7	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1203001
Lab File ID:	SEQ-ICV4.D	Calibration Date:	01/26/11 15:40
Sequence:	1B03208	Injection Date:	01/28/11
Lab Sample ID:	1B03208-ICV4	Injection Time:	10:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
4-Nitroaniline	A	50.00	42.68	0.2309184	0.1971107		-14.6	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	50.99	1.110356	1.132237		2.0	20
Acenaphthylene	A	50.00	52.08	1.725208	1.796804		4.1	20
Anthracene	A	50.00	53.21	1.092671	1.162801		6.4	20
Benzo(a)anthracene	A	50.00	53.94	1.119297	1.207582		7.9	20
Benzo(a)pyrene	A	50.00	54.76	1.045862	1.145479		9.5	20
Benzo(b)fluoranthene	A	50.00	53.30	1.093698	1.165866		6.6	20
Benzo(g,h,i)perylene	A	50.00	55.29	1.033139	1.142352		10.6	20
Benzoic acid	A	50.00	56.42	0.2679395	0.302351		12.8	20
Benzo(k)fluoranthene	A	50.00	54.50	1.107729	1.207431		9.0	20
4-Bromophenyl-phenylether	A	50.00	52.91	0.2284778	0.2417889		5.8	20
Butylbenzylphthalate	A	50.00	56.82	0.5129818	0.582953		13.6	20
Carbazole	A	50.00	51.29	1.044381	1.071248		2.6	20
4-Chloro-3-methylphenol	A	50.00	52.69	0.3113523	0.3281338		5.4	20
4-Chloroaniline	A	50.00	50.78	0.4225325	0.4291082		1.6	20
Bis(2-chloroethoxy)methane	A	50.00	54.60	0.4269873	0.4662333		9.2	20
Bis(2-chloroethyl)ether	A	50.00	52.57	1.297842	1.3646		5.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.93	1.947114	2.022377		3.9	20
2-Chloronaphthalene	A	50.00	52.76	1.087766	1.147861		5.5	20
2-Chlorophenol	A	50.00	53.41	1.315004	1.404776		6.8	20
4-Chlorophenyl phenyl ether	A	50.00	51.82	0.6233489	0.6461009		3.6	20
Chrysene	A	50.00	53.37	1.047865	1.118417		6.7	20
Dibenz(a,h)anthracene	A	50.00	56.42	1.004478	1.133417		12.8	20
Dibenzofuran	A	50.00	53.17	1.535116	1.632439		6.3	20
Di-n-butylphthalate	A	50.00	52.16	1.182012	1.233187		4.3	20
2,4-Dichlorophenol	A	50.00	52.27	0.3046728	0.3185106		4.5	20
Diethylphthalate	A	50.00	52.18	1.194731	1.246888		4.4	20
2,4-Dimethylphenol	A	50.00	53.80	0.3636609	0.3913226		7.6	20
Dimethyl phthalate	A	50.00	52.08	1.244441	1.296196		4.2	20
2,4-Dinitrotoluene	A	50.00	52.99	0.3929838	0.4165004		6.0	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,6-Dinitrotoluene	A	50.00	53.60	0.2991862	0.3207071		7.2	20
Di-n-octylphthalate	A	50.00	55.56	1.204345	1.338299		11.1	20
1,2-Diphenylhydrazine	A	50.00	51.69	0.8507103	0.8794004		3.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	54.80	0.6793074	0.7445394		9.6	20
Fluoranthene	A	50.00	52.70	1.233837	1.300481		5.4	20
Fluorene	A	50.00	52.74	1.337519	1.410746		5.5	20
Hexachlorobenzene	A	50.00	53.53	0.244362	0.2616019		7.1	20
Hexachlorobutadiene	A	50.00	56.62	0.1868569	0.2116138		13.2	20
Hexachlorocyclopentadiene	A	50.00	50.51	0.374975	0.3787812	0.05	1.0	20
Hexachloroethane	A	50.00	53.43	0.5464632	0.5839846		6.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.78	1.038008	1.157962		11.6	20
Isophorone	A	50.00	51.26	0.7442763	0.7630284		2.5	20
1-Methylnaphthalene	A	50.00	50.47	0.5872691	0.5928174		0.9	20
2-Methylnaphthalene	A	50.00	52.21	0.5974192	0.6238767		4.4	20
2-Methylphenol	A	50.00	52.67	1.208635	1.273291		5.3	20
3-Methylphenol/4-Methylphenol	A	50.00	51.20	1.268409	1.298786		2.4	20
4-Nitroaniline	A	50.00	53.01	0.3272887	0.3469818		6.0	20
3-Nitroaniline	A	50.00	53.20	0.3230815	0.3437513		6.4	20
2-Nitroaniline	A	50.00	53.86	0.3700237	0.3985975		7.7	20
Nitrobenzene	A	50.00	52.75	0.4107927	0.4333935		5.5	20
4-Nitrophenol	A	50.00	53.70	0.2721678	0.292285	0.05	7.4	20
2-Nitrophenol	A	50.00	53.57	0.1941449	0.2080171		7.1	20
N-Nitrosodiphenylamine	A	50.00	53.24	0.6728889	0.7164793		6.5	20
N-Nitroso-di-n-propylamine	A	50.00	54.25	1.033966	1.12186	0.05	8.5	20
Phenanthrene	A	50.00	53.38	1.075866	1.148675		6.8	20
Phenol	A	50.00	52.06	1.687698	1.757079		4.1	20
Pyrene	A	50.00	54.76	1.163766	1.274472		9.5	20
2,4,6-Trichlorophenol	A	50.00	53.68	0.382004	0.4101383		7.4	20
2,4,5-Trichlorophenol	A	50.00	52.48	0.4142645	0.4348178		5.0	20

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV1	Injection Time:	15:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2-Fluorobiphenyl	A	50.00	54.11	1.265417	1.369371		8.2	20
2-Fluorophenol	A	100.0	114.6	1.142171	1.308424		14.6	20
Nitrobenzene-d5	A	50.00	55.94	0.4075494	0.4559688		11.9	20
Terphenyl-d14	A	50.00	54.87	0.7462196	0.8189273		9.7	20
2,4,6-Tribromophenol	A	100.0	109.2	0.109869	0.1200227		9.2	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV2	Injection Time:	15:40

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	48.88	1.801986	1.761675		-2.2	20
Atrazine	A	50.00	50.39	0.2344682	0.2362964		0.8	20
Benzidine	A	50.00	49.05	0.641297	0.6290564		-1.9	20
1,1-Biphenyl	A	50.00	51.20	1.444453	1.479098		2.4	20
Caprolactam	A	50.00	56.58	0.1128421	0.1276823		13.2	20
3,3'-Dichlorobenzidine	A	50.00	52.77	0.4067228	0.4292329		5.5	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV5.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	04/30/11
Lab Sample ID:	1E12203-ICV3	Injection Time:	17:19

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
4,6-Dinitro-2-methylphenol	A	50.00	53.45	0.1454148	0.1554342		6.9	20
2,4-Dinitrophenol	A	50.00	61.89	0.1854397	0.2295477	0.05	23.8	20 *
Pentachlorophenol	A	50.00	56.14	0.1623094	0.1822508		12.3	20

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

* Values outside of QC limits

INITIAL CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-ICV4.D	Calibration Date:	04/29/11 00:00
Sequence:	1E12203	Injection Date:	05/02/11
Lab Sample ID:	1E12203-ICV4	Injection Time:	14:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzaldehyde	A	50.00	50.85	1.010105	1.027374		1.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21312	Injection Date:	07/31/11
Lab Sample ID:	1H21312-CCV1	Injection Time:	20:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	52.25	1.110356	1.160298		4.5	20	
Acenaphthylene	A	50.00	52.24	1.725208	1.802504		4.5	20	
Acetophenone	A	50.00	50.51	1.801986	1.820496		1.0	20	
Anthracene	A	50.00	52.10	1.092671	1.138597		4.2	20	
Benzidine	A	50.00	36.49	0.641297	0.4680617		-27.0	20	*
Benzo(a)anthracene	A	50.00	54.05	1.119297	1.209878		8.1	20	
Benzo(a)pyrene	A	50.00	53.50	1.045862	1.119138		7.0	20	
Benzo(b)fluoranthene	A	50.00	63.63	1.093698	1.391782		27.3	20	*
Benzo(g,h,i)perylene	A	50.00	51.81	1.033139	1.070542		3.6	20	
Benzoic acid	A	50.00	47.83	0.2679395	0.2563313		-4.3	20	
Benzo(k)fluoranthene	A	50.00	50.66	1.107729	1.122253		1.3	20	
1,1-Biphenyl	A	50.00	51.77	1.444453	1.495656		3.5	20	
4-Bromophenyl-phenylether	A	50.00	49.84	0.2284778	0.2277433		-0.3	20	
Butylbenzylphthalate	A	50.00	59.57	0.5129818	0.6111857		19.1	20	
Caprolactam	A	50.00	53.79	0.1128421	0.1213939		7.6	20	
Carbazole	A	50.00	51.25	1.044381	1.070568		2.5	20	
4-Chloro-3-methylphenol	A	50.00	50.10	0.3113523	0.3119808		0.2	20	
4-Chloroaniline	A	50.00	56.48	0.4225325	0.4772677		13.0	20	
Bis(2-chloroethoxy)methane	A	50.00	49.04	0.4269873	0.4187507		-1.9	20	
Bis(2-chloroethyl)ether	A	50.00	48.76	1.297842	1.265723		-2.5	20	
2,2'-Oxybis-1-chloropropane	A	50.00	46.83	1.947114	1.82355		-6.3	20	
2-Chloronaphthalene	A	50.00	63.20	1.087766	1.374976		26.4	20	*
2-Chlorophenol	A	50.00	53.86	1.315004	1.416625		7.7	20	
4-Chlorophenyl phenyl ether	A	50.00	52.62	0.6233489	0.6559638		5.2	20	
Chrysene	A	50.00	52.18	1.047865	1.093609		4.4	20	
Dibenz(a,h)anthracene	A	50.00	54.50	1.004478	1.094828		9.0	20	
Dibenzofuran	A	50.00	50.62	1.535116	1.554139		1.2	20	
Di-n-butylphthalate	A	50.00	54.13	1.182012	1.279563		8.3	20	
3,3'-Dichlorobenzidine	A	50.00	53.91	0.4067228	0.4385669		7.8	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21312	Injection Date:	07/31/11
Lab Sample ID:	1H21312-CCV1	Injection Time:	20:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	50.91	0.3046728	0.3102337		1.8	20
Diethylphthalate	A	50.00	53.40	1.194731	1.275874		6.8	20
2,4-Dimethylphenol	A	50.00	48.31	0.3636609	0.351344		-3.4	20
Dimethyl phthalate	A	50.00	51.71	1.244441	1.287061		3.4	20
4,6-Dinitro-2-methylphenol	A	50.00	56.97	0.1454148	0.1656775		13.9	20
2,4-Dinitrophenol	A	50.00	59.08	0.1854397	0.2190979	0.05	18.2	20
2,4-Dinitrotoluene	A	50.00	53.36	0.3929838	0.4194044		6.7	20
2,6-Dinitrotoluene	A	50.00	53.32	0.2991862	0.3190424		6.6	20
Di-n-octylphthalate	A	50.00	65.40	1.204345	1.575383		30.8	20 *
1,2-Diphenylhydrazine	A	50.00	44.39	0.8507103	0.755178		-11.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	61.56	0.6793074	0.8363928		23.1	20 *
Fluoranthene	A	50.00	48.85	1.233837	1.205504		-2.3	20
Fluorene	A	50.00	51.54	1.337519	1.378781		3.1	20
Hexachlorobenzene	A	50.00	49.32	0.244362	0.241055		-1.4	20
Hexachlorobutadiene	A	50.00	47.48	0.1868569	0.1774368		-5.0	20
Hexachlorocyclopentadiene	A	50.00	46.92	0.374975	0.3518748	0.05	-6.2	20
Hexachloroethane	A	50.00	52.84	0.5464632	0.5775255		5.7	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.42	1.038008	1.088279		4.8	20
Isophorone	A	50.00	45.01	0.7442763	0.6699757		-10.0	20
1-Methylnaphthalene	A	50.00	51.55	0.5872691	0.6054319		3.1	20
2-Methylnaphthalene	A	50.00	51.77	0.5974192	0.6186028		3.5	20
2-Methylphenol	A	50.00	51.69	1.208635	1.249372		3.4	20
3-Methylphenol/4-Methylphenol	A	50.00	51.90	1.268409	1.31664		3.8	20
4-Nitroaniline	A	50.00	53.89	0.3272887	0.3527421		7.8	20
3-Nitroaniline	A	50.00	55.76	0.3230815	0.3602996		11.5	20
2-Nitroaniline	A	50.00	45.85	0.3700237	0.3393084		-8.3	20
Nitrobenzene	A	50.00	43.64	0.4107927	0.3585327		-12.7	20
4-Nitrophenol	A	50.00	47.05	0.2721678	0.256115	0.05	-5.9	20
2-Nitrophenol	A	50.00	53.73	0.1941449	0.2086227		7.5	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21312	Injection Date:	07/31/11
Lab Sample ID:	1H21312-CCV1	Injection Time:	20:10

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	52.32	0.6728889	0.7040527		4.6	20
N-Nitroso-di-n-propylamine	A	50.00	46.00	1.033966	0.9512436	0.05	-8.0	20
Pentachlorophenol	A	50.00	47.09	0.1623094	0.1528595		-5.8	20
Phenanthrene	A	50.00	51.49	1.075866	1.107983		3.0	20
Phenol	A	50.00	53.70	1.687698	1.81256		7.4	20
Pyrene	A	50.00	54.68	1.163766	1.27265		9.4	20
2,4,6-Trichlorophenol	A	50.00	50.91	0.382004	0.3889273		1.8	20
2,4,5-Trichlorophenol	A	50.00	51.10	0.4142645	0.4233915		2.2	20
2-Fluorobiphenyl	A	50.00	53.16	1.265417	1.345354		6.3	20
2-Fluorophenol	A	100.0	98.63	1.142171	1.126498		-1.4	20
Nitrobenzene-d5	A	50.00	45.42	0.4075494	0.3702283		-9.2	20
Phenol-d6	A	100.0	94.67	1.572986	1.489095		-5.3	20
Terphenyl-d14	A	50.00	57.52	0.7462196	0.8584823		15.0	20
2,4,6-Tribromophenol	A	100.0	98.54	0.109869	0.1082604		-1.5	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21312	Injection Date:	07/31/11
Lab Sample ID:	1H21312-CCV2	Injection Time:	20:43

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	49.02	0.2344682	0.229889		-2.0	20
Benzaldehyde	A	50.00	45.20	1.010105	0.9130613		-9.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21402	Injection Date:	08/01/11
Lab Sample ID:	1H21402-CCV1	Injection Time:	11:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	52.64	1.110356	1.169013		5.3	20
Acenaphthylene	A	50.00	51.48	1.725208	1.776342		3.0	20
Acetophenone	A	50.00	51.16	1.801986	1.843989		2.3	20
Anthracene	A	50.00	52.05	1.092671	1.137485		4.1	20
Benzidine	A	50.00	42.85	0.641297	0.5495899		-14.3	20
Benzo(a)anthracene	A	50.00	53.85	1.119297	1.205544		7.7	20
Benzo(a)pyrene	A	50.00	54.07	1.045862	1.130962		8.1	20
Benzo(b)fluoranthene	A	50.00	62.45	1.093698	1.36597		24.9	20 *
Benzo(g,h,i)perylene	A	50.00	51.88	1.033139	1.072003		3.8	20
Benzoic acid	A	50.00	50.39	0.2679395	0.270015		0.8	20
Benzo(k)fluoranthene	A	50.00	52.15	1.107729	1.155288		4.3	20
1,1-Biphenyl	A	50.00	51.37	1.444453	1.48398		2.7	20
4-Bromophenyl-phenylether	A	50.00	50.74	0.2284778	0.2318604		1.5	20
Butylbenzylphthalate	A	50.00	60.92	0.5129818	0.6250408		21.8	20 *
Caprolactam	A	50.00	55.58	0.1128421	0.1254327		11.2	20
Carbazole	A	50.00	51.98	1.044381	1.08578		4.0	20
4-Chloro-3-methylphenol	A	50.00	51.37	0.3113523	0.3199094		2.7	20
4-Chloroaniline	A	50.00	56.39	0.4225325	0.4765578		12.8	20
Bis(2-chloroethoxy)methane	A	50.00	49.73	0.4269873	0.4246839		-0.5	20
Bis(2-chloroethyl)ether	A	50.00	50.12	1.297842	1.301097		0.3	20
2,2'-Oxybis-1-chloropropane	A	50.00	47.67	1.947114	1.856413		-4.7	20
2-Chloronaphthalene	A	50.00	65.56	1.087766	1.426334		31.1	20 *
2-Chlorophenol	A	50.00	53.93	1.315004	1.418475		7.9	20
4-Chlorophenyl phenyl ether	A	50.00	52.64	0.6233489	0.6562841		5.3	20
Chrysene	A	50.00	52.26	1.047865	1.095247		4.5	20
Dibenz(a,h)anthracene	A	50.00	55.53	1.004478	1.115631		11.1	20
Dibenzofuran	A	50.00	50.93	1.535116	1.563683		1.9	20
Di-n-butylphthalate	A	50.00	54.70	1.182012	1.293157		9.4	20
3,3'-Dichlorobenzidine	A	50.00	54.51	0.4067228	0.4434426		9.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21402	Injection Date:	08/01/11
Lab Sample ID:	1H21402-CCV1	Injection Time:	11:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	50.36	0.3046728	0.3068471		0.7	20
Diethylphthalate	A	50.00	54.06	1.194731	1.291736		8.1	20
2,4-Dimethylphenol	A	50.00	48.88	0.3636609	0.3555294		-2.2	20
Dimethyl phthalate	A	50.00	52.06	1.244441	1.295811		4.1	20
4,6-Dinitro-2-methylphenol	A	50.00	56.60	0.1454148	0.1646241		13.2	20
2,4-Dinitrophenol	A	50.00	56.75	0.1854397	0.210488	0.05	13.5	20
2,4-Dinitrotoluene	A	50.00	53.92	0.3929838	0.423772		7.8	20
2,6-Dinitrotoluene	A	50.00	53.35	0.2991862	0.319252		6.7	20
Di-n-octylphthalate	A	50.00	66.86	1.204345	1.610436		33.7	20 *
1,2-Diphenylhydrazine	A	50.00	44.98	0.8507103	0.7653409		-10.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	63.12	0.6793074	0.8575746		26.2	20 *
Fluoranthene	A	50.00	49.22	1.233837	1.214625		-1.6	20
Fluorene	A	50.00	51.32	1.337519	1.372957		2.6	20
Hexachlorobenzene	A	50.00	50.28	0.244362	0.2457449		0.6	20
Hexachlorobutadiene	A	50.00	47.23	0.1868569	0.1765175		-5.5	20
Hexachlorocyclopentadiene	A	50.00	44.95	0.374975	0.3371222	0.05	-10.1	20
Hexachloroethane	A	50.00	52.73	0.5464632	0.57628		5.5	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.03	1.038008	1.100836		6.1	20
Isophorone	A	50.00	45.23	0.7442763	0.6733005		-9.5	20
1-Methylnaphthalene	A	50.00	52.30	0.5872691	0.6142759		4.6	20
2-Methylnaphthalene	A	50.00	51.36	0.5974192	0.6136111		2.7	20
2-Methylphenol	A	50.00	53.33	1.208635	1.289172		6.7	20
3-Methylphenol/4-Methylphenol	A	50.00	52.25	1.268409	1.325613		4.5	20
4-Nitroaniline	A	50.00	54.56	0.3272887	0.3571228		9.1	20
3-Nitroaniline	A	50.00	56.02	0.3230815	0.3619636		12.0	20
2-Nitroaniline	A	50.00	46.96	0.3700237	0.3475604		-6.1	20
Nitrobenzene	A	50.00	44.06	0.4107927	0.3619619		-11.9	20
4-Nitrophenol	A	50.00	37.72	0.2721678	0.2053435	0.05	-24.6	20 *
2-Nitrophenol	A	50.00	54.12	0.1941449	0.2101374		8.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21402	Injection Date:	08/01/11
Lab Sample ID:	1H21402-CCV1	Injection Time:	11:57

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	52.78	0.6728889	0.7102964		5.6	20
N-Nitroso-di-n-propylamine	A	50.00	46.77	1.033966	0.9672401	0.05	-6.5	20
Pentachlorophenol	A	50.00	42.74	0.1623094	0.1387581		-14.5	20
Phenanthrene	A	50.00	51.78	1.075866	1.11419		3.6	20
Phenol	A	50.00	49.80	1.687698	1.680968		-0.4	20
Pyrene	A	50.00	55.30	1.163766	1.287122		10.6	20
2,4,6-Trichlorophenol	A	50.00	50.09	0.382004	0.38272		0.2	20
2,4,5-Trichlorophenol	A	50.00	51.40	0.4142645	0.4258409		2.8	20
2-Fluorobiphenyl	A	50.00	53.38	1.265417	1.351099		6.8	20
2-Fluorophenol	A	100.0	97.73	1.142171	1.116279		-2.3	20
Nitrobenzene-d5	A	50.00	45.56	0.4075494	0.3714057		-8.9	20
Phenol-d6	A	100.0	94.77	1.572986	1.490772		-5.2	20
Terphenyl-d14	A	50.00	58.18	0.7462196	0.8683461		16.4	20
2,4,6-Tribromophenol	A	100.0	98.20	0.109869	0.1078919		-1.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21402	Injection Date:	08/01/11
Lab Sample ID:	1H21402-CCV2	Injection Time:	12:33

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	49.29	0.2344682	0.2311355		-1.4	20
Benzaldehyde	A	50.00	45.63	1.010105	0.9218649		-8.7	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1203001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1H21605	Injection Date:	08/03/11
Lab Sample ID:	1H21605-CCV1	Injection Time:	10:48

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
3,3'-Dichlorobenzidine	A	50.00	40.55	0.3840471	0.31148		-18.9	20	
Acenaphthene	A	50.00	45.91	1.082656	0.9940544		-8.2	20	
Acenaphthylene	A	50.00	44.35	1.744325	1.547313		-11.3	20	
Acetophenone	A	50.00	48.56	1.555244	1.510415		-2.9	20	
Anthracene	A	50.00	46.27	1.056507	0.977627		-7.5	20	
Atrazine	A	50.00	41.75	0.2049826	0.1711637		-16.5	20	
Benzaldehyde	A	50.00	40.88	1.012551	0.8278453		-18.2	20	
Benzidine	A	50.00	55.87	0.6314527	0.7056428		11.7	20	
Benzo(a)anthracene	A	50.00	44.61	1.138713	1.015883		-10.8	20	
Benzo(a)pyrene	A	50.00	45.07	1.044021	0.9410006		-9.9	20	
Benzo(b)fluoranthene	A	50.00	49.35	1.099993	1.08575		-1.3	20	
Benzo(g,h,i)perylene	A	50.00	40.79	0.758931	0.6190917		-18.4	20	
Benzoic acid	L	50.00	32.57	0.2348828	0.1663073		-34.9	20	*
Benzo(k)fluoranthene	A	50.00	56.35	1.214732	1.368997		12.7	20	
1,1-Biphenyl	A	50.00	43.33	1.44264	1.250086		-13.3	20	
4-Bromophenyl-phenylether	A	50.00	39.95	0.2302946	0.1839931		-20.1	20	*
Butylbenzylphthalate	A	50.00	44.17	0.7695073	0.6797599		-11.7	20	
Caprolactam	A	50.00	38.42	0.1265101	9.720601E-02		-23.2	20	*
Carbazole	A	50.00	45.39	0.9188467	0.8340927		-9.2	20	
4-Chloro-3-methylphenol	A	50.00	41.22	0.2827335	0.2330747		-17.6	20	
4-Chloroaniline	A	50.00	43.29	0.4407449	0.3816056		-13.4	20	
Bis(2-chloroethoxy)methane	A	50.00	43.68	0.4591519	0.4011451		-12.6	20	
Bis(2-chloroethyl)ether	A	50.00	42.78	1.34682	1.15247		-14.4	20	
2,2'-Oxybis-1-chloropropane	A	50.00	39.88	1.935852	1.543978		-20.2	20	*
2-Chloronaphthalene	A	50.00	45.55	1.140238	1.038752		-8.9	20	
2-Chlorophenol	A	50.00	44.43	1.301605	1.156684		-11.1	20	
4-Chlorophenyl phenyl ether	A	50.00	47.80	0.5334126	0.5099796		-4.4	20	
Chrysene	A	50.00	44.58	1.122748	1.000982		-10.8	20	
Dibenz(a,h)anthracene	A	50.00	39.67	0.7664032	0.6080041		-20.7	20	*

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1203001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1H21605	Injection Date:	08/03/11
Lab Sample ID:	1H21605-CCV1	Injection Time:	10:48

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Dibenzofuran	A	50.00	47.71	1.497787	1.429116		-4.6	20
Di-n-butylphthalate	A	50.00	45.30	1.375428	1.24602		-9.4	20
2,4-Dichlorophenol	A	50.00	44.48	0.3178164	0.2827321		-11.0	20
Diethylphthalate	L	50.00	45.22	1.347533	1.108135		-9.6	20
2,4-Dimethylphenol	A	50.00	41.64	0.3417719	0.2846169		-16.7	20
Dimethyl phthalate	A	50.00	43.59	1.321588	1.152171		-12.8	20
4,6-Dinitro-2-methylphenol	L	50.00	51.01	0.1179191	0.1424108		2.0	20
2,4-Dinitrophenol	L	50.00	49.20	0.1369907	0.1536353	0.05	-1.6	20
2,4-Dinitrotoluene	A	50.00	46.72	0.373936	0.3494274		-6.6	20
2,6-Dinitrotoluene	A	50.00	41.51	0.3483244	0.2891904		-17.0	20
Di-n-octylphthalate	A	50.00	56.64	1.792929	2.031059		13.3	20
1,2-Diphenylhydrazine	A	50.00	43.57	0.8347356	0.7273867		-12.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	43.14	1.025088	0.8844475		-13.7	20
Fluoranthene	A	50.00	41.72	1.072845	0.8952983		-16.5	20
Fluorene	A	50.00	46.16	1.147043	1.059022		-7.7	20
Hexachlorobenzene	A	50.00	43.88	0.2598125	0.2280274		-12.2	20
Hexachlorobutadiene	A	50.00	41.96	0.1763327	0.1479851		-16.1	20
Hexachlorocyclopentadiene	A	50.00	44.58	0.350099	0.3121342	0.05	-10.8	20
Hexachloroethane	A	50.00	45.79	0.5725119	0.5242897		-8.4	20
Indeno(1,2,3-cd)pyrene	A	50.00	41.28	0.9228439	0.7619471		-17.4	20
Isophorone	A	50.00	37.41	0.7715062	0.5772813		-25.2	20 *
1-Methylnaphthalene	A	50.00	46.89	0.5079573	0.476326		-6.2	20
2-Methylnaphthalene	A	50.00	48.30	0.4934064	0.4766648		-3.4	20
2-Methylphenol	A	50.00	46.30	1.135332	1.051348		-7.4	20
3-Methylphenol/4-Methylphenol	A	50.00	45.00	1.186012	1.067522		-10.0	20
4-Nitroaniline	A	50.00	55.94	0.2309184	0.2583638		11.9	20
3-Nitroaniline	A	50.00	44.29	0.3482787	0.3084966		-11.4	20
2-Nitroaniline	A	50.00	41.92	0.3251388	0.2725967		-16.2	20
Nitrobenzene	A	50.00	40.44	0.3585356	0.290018		-19.1	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	1203001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	01/26/11 15:40
Sequence:	1H21605	Injection Date:	08/03/11
Lab Sample ID:	1H21605-CCV1	Injection Time:	10:48

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	43.54	0.1977617	0.1722227	0.05	-12.9	20
2-Nitrophenol	A	50.00	41.87	0.2241114	0.1876603		-16.3	20
N-Nitrosodiphenylamine	A	50.00	45.74	0.6599038	0.603694		-8.5	20
N-Nitroso-di-n-propylamine	A	50.00	41.51	0.8341912	0.6924875	0.05	-17.0	20
Pentachlorophenol	L	50.00	41.43	0.1614679	0.1440272		-17.1	20
Phenanthrene	A	50.00	44.86	1.057442	0.9486992		-10.3	20
Phenol	A	50.00	46.73	1.614787	1.509245		-6.5	20
Pyrene	A	50.00	54.56	1.298906	1.417383		9.1	20
2,4,6-Trichlorophenol	A	50.00	45.70	0.4009275	0.3664901		-8.6	20
2,4,5-Trichlorophenol	A	50.00	43.19	0.4318641	0.3730719		-13.6	20
2-Fluorobiphenyl	A	50.00	47.01	1.2999	1.222228		-6.0	20
2-Fluorophenol	A	100.0	89.32	1.224809	1.094059		-10.7	20
Nitrobenzene-d5	A	50.00	43.44	0.3691845	0.3207879		-13.1	20
Phenol-d6	A	100.0	80.55	1.556882	1.254095		-19.4	20
Terphenyl-d14	A	50.00	51.14	0.812066	0.8305677		2.3	20
2,4,6-Tribromophenol	A	100.0	86.01	0.1449031	0.1246263		-14.0	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21707	Injection Date:	08/04/11
Lab Sample ID:	1H21707-CCV1	Injection Time:	20:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.13	1.110356	1.113345		0.3	20
Acenaphthylene	A	50.00	50.93	1.725208	1.757196		1.9	20
Acetophenone	A	50.00	46.94	1.801986	1.691722		-6.1	20
Anthracene	A	50.00	50.38	1.092671	1.101017		0.8	20
Benzidine	A	50.00	59.01	0.641297	0.7568621		18.0	20
Benzo(a)anthracene	A	50.00	51.32	1.119297	1.148885		2.6	20
Benzo(a)pyrene	A	50.00	50.97	1.045862	1.06608		1.9	20
Benzo(b)fluoranthene	A	50.00	55.81	1.093698	1.220716		11.6	20
Benzo(g,h,i)perylene	A	50.00	45.23	1.033139	0.9344847		-9.5	20
Benzoic acid	A	50.00	46.36	0.2679395	0.2484132		-7.3	20
Benzo(k)fluoranthene	A	50.00	52.40	1.107729	1.160988		4.8	20
1,1-Biphenyl	A	50.00	48.44	1.444453	1.399408		-3.1	20
4-Bromophenyl-phenylether	A	50.00	46.45	0.2284778	0.2122713		-7.1	20
Butylbenzylphthalate	A	50.00	58.67	0.5129818	0.6019635		17.3	20
Caprolactam	A	50.00	52.54	0.1128421	0.1185637		5.1	20
Carbazole	A	50.00	49.80	1.044381	1.040134		-0.4	20
4-Chloro-3-methylphenol	A	50.00	46.95	0.3113523	0.2923468		-6.1	20
4-Chloroaniline	A	50.00	52.10	0.4225325	0.4402365		4.2	20
Bis(2-chloroethoxy)methane	A	50.00	43.87	0.4269873	0.3746408		-12.3	20
Bis(2-chloroethyl)ether	A	50.00	44.58	1.297842	1.157129		-10.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	44.42	1.947114	1.729932		-11.2	20
2-Chloronaphthalene	A	50.00	54.72	1.087766	1.190431		9.4	20
2-Chlorophenol	A	50.00	50.78	1.315004	1.335514		1.6	20
4-Chlorophenyl phenyl ether	A	50.00	50.70	0.6233489	0.6320901		1.4	20
Chrysene	A	50.00	51.94	1.047865	1.088602		3.9	20
Dibenz(a,h)anthracene	A	50.00	47.57	1.004478	0.955738		-4.9	20
Dibenzofuran	A	50.00	49.52	1.535116	1.520294		-1.0	20
Di-n-butylphthalate	A	50.00	52.04	1.182012	1.230349		4.1	20
3,3'-Dichlorobenzidine	A	50.00	53.30	0.4067228	0.4335792		6.6	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21707	Injection Date:	08/04/11
Lab Sample ID:	1H21707-CCV1	Injection Time:	20:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	48.90	0.3046728	0.2979462		-2.2	20
Diethylphthalate	A	50.00	52.32	1.194731	1.250076		4.6	20
2,4-Dimethylphenol	A	50.00	44.85	0.3636609	0.3261974		-10.3	20
Dimethyl phthalate	A	50.00	49.91	1.244441	1.242087		-0.2	20
4,6-Dinitro-2-methylphenol	A	50.00	54.77	0.1454148	0.1592872		9.5	20
2,4-Dinitrophenol	A	50.00	58.74	0.1854397	0.2178704	0.05	17.5	20
2,4-Dinitrotoluene	A	50.00	52.06	0.3929838	0.4092144		4.1	20
2,6-Dinitrotoluene	A	50.00	51.16	0.2991862	0.3061324		2.3	20
Di-n-octylphthalate	A	50.00	65.04	1.204345	1.566544		30.1	20 *
1,2-Diphenylhydrazine	A	50.00	38.11	0.8507103	0.6484863		-23.8	20 *
Bis(2-ethylhexyl)phthalate	A	50.00	59.88	0.6793074	0.8135476		19.8	20
Fluoranthene	A	50.00	47.96	1.233837	1.183559		-4.1	20
Fluorene	A	50.00	50.27	1.337519	1.344784		0.5	20
Hexachlorobenzene	A	50.00	46.54	0.244362	0.2274326		-6.9	20
Hexachlorobutadiene	A	50.00	42.92	0.1868569	0.1603821		-14.2	20
Hexachlorocyclopentadiene	A	50.00	41.18	0.374975	0.3088058	0.05	-17.6	20
Hexachloroethane	A	50.00	46.97	0.5464632	0.5133369		-6.1	20
Indeno(1,2,3-cd)pyrene	A	50.00	45.01	1.038008	0.9344678		-10.0	20
Isophorone	A	50.00	40.05	0.7442763	0.5961216		-19.9	20
1-Methylnaphthalene	A	50.00	50.25	0.5872691	0.5902086		0.5	20
2-Methylnaphthalene	A	50.00	49.86	0.5974192	0.5958065		-0.3	20
2-Methylphenol	A	50.00	48.09	1.208635	1.162395		-3.8	20
3-Methylphenol/4-Methylphenol	A	50.00	48.89	1.268409	1.240309		-2.2	20
4-Nitroaniline	A	50.00	52.66	0.3272887	0.344699		5.3	20
3-Nitroaniline	A	50.00	52.89	0.3230815	0.341735		5.8	20
2-Nitroaniline	A	50.00	41.19	0.3700237	0.3048029		-17.6	20
Nitrobenzene	A	50.00	38.29	0.4107927	0.3145745		-23.4	20 *
4-Nitrophenol	A	50.00	43.16	0.2721678	0.2349364	0.05	-13.7	20
2-Nitrophenol	A	50.00	52.11	0.1941449	0.2023284		4.2	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21707	Injection Date:	08/04/11
Lab Sample ID:	1H21707-CCV1	Injection Time:	20:22

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	49.86	0.6728889	0.6709855		-0.3	20
N-Nitroso-di-n-propylamine	A	50.00	40.13	1.033966	0.8298837	0.05	-19.7	20
Pentachlorophenol	A	50.00	44.21	0.1623094	0.1435143		-11.6	20
Phenanthrene	A	50.00	50.26	1.075866	1.081557		0.5	20
Phenol	A	50.00	46.82	1.687698	1.580452		-6.4	20
Pyrene	A	50.00	54.84	1.163766	1.276424		9.7	20
2,4,6-Trichlorophenol	A	50.00	48.14	0.382004	0.3677933		-3.7	20
2,4,5-Trichlorophenol	A	50.00	47.44	0.4142645	0.3930275		-5.1	20
2-Fluorobiphenyl	A	50.00	50.67	1.265417	1.282335		1.3	20
2-Fluorophenol	A	100.0	93.03	1.142171	1.06259		-7.0	20
Nitrobenzene-d5	A	50.00	40.26	0.4075494	0.3281259		-19.5	20
Phenol-d6	A	100.0	89.20	1.572986	1.403085		-10.8	20
Terphenyl-d14	A	50.00	56.41	0.7462196	0.8418568		12.8	20
2,4,6-Tribromophenol	A	100.0	89.93	0.109869	9.880731E-02		-10.1	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21707	Injection Date:	08/04/11
Lab Sample ID:	1H21707-CCV2	Injection Time:	21:04

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	47.07	0.2344682	0.2207231		-5.9	20
Benzaldehyde	A	50.00	50.85	1.010105	1.027319		1.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21802	Injection Date:	08/05/11
Lab Sample ID:	1H21802-CCV1	Injection Time:	15:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	50.03	1.110356	1.11092		0.05	20	
Acenaphthylene	A	50.00	50.15	1.725208	1.730358		0.3	20	
Acetophenone	A	50.00	50.40	1.801986	1.816269		0.8	20	
Anthracene	A	50.00	49.52	1.092671	1.082173		-1.0	20	
Benzidine	A	50.00	60.03	0.641297	0.7699525		20.1	20	*
Benzo(a)anthracene	A	50.00	51.41	1.119297	1.150828		2.8	20	
Benzo(a)pyrene	A	50.00	52.44	1.045862	1.096947		4.9	20	
Benzo(b)fluoranthene	A	50.00	60.01	1.093698	1.3126		20.0	20	
Benzo(g,h,i)perylene	A	50.00	49.48	1.033139	1.022487		-1.0	20	
Benzoic acid	A	50.00	50.48	0.2679395	0.2705372		1.0	20	
Benzo(k)fluoranthene	A	50.00	49.36	1.107729	1.093634		-1.3	20	
1,1-Biphenyl	A	50.00	51.48	1.444453	1.487296		3.0	20	
4-Bromophenyl-phenylether	A	50.00	44.91	0.2284778	0.2052232		-10.2	20	
Butylbenzylphthalate	A	50.00	63.33	0.5129818	0.6497718		26.7	20	*
Caprolactam	A	50.00	45.71	0.1128421	0.103151		-8.6	20	
Carbazole	A	50.00	48.35	1.044381	1.009962		-3.3	20	
4-Chloro-3-methylphenol	A	50.00	49.38	0.3113523	0.3075047		-1.2	20	
4-Chloroaniline	A	50.00	51.58	0.4225325	0.4359062		3.2	20	
Bis(2-chloroethoxy)methane	A	50.00	46.23	0.4269873	0.394815		-7.5	20	
Bis(2-chloroethyl)ether	A	50.00	47.85	1.297842	1.241947		-4.3	20	
2,2'-Oxybis-1-chloropropane	A	50.00	50.12	1.947114	1.951871		0.2	20	
2-Chloronaphthalene	A	50.00	63.85	1.087766	1.38913		27.7	20	*
2-Chlorophenol	A	50.00	50.61	1.315004	1.331073		1.2	20	
4-Chlorophenyl phenyl ether	A	50.00	47.61	0.6233489	0.5935356		-4.8	20	
Chrysene	A	50.00	52.11	1.047865	1.092121		4.2	20	
Dibenz(a,h)anthracene	A	50.00	50.68	1.004478	1.01805		1.4	20	
Dibenzofuran	A	50.00	48.42	1.535116	1.486545		-3.2	20	
Di-n-butylphthalate	A	50.00	52.89	1.182012	1.250288		5.8	20	
3,3'-Dichlorobenzidine	A	50.00	55.55	0.4067228	0.4518623		11.1	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21802	Injection Date:	08/05/11
Lab Sample ID:	1H21802-CCV1	Injection Time:	15:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	48.04	0.3046728	0.2927098		-3.9	20
Diethylphthalate	A	50.00	51.57	1.194731	1.232361		3.1	20
2,4-Dimethylphenol	A	50.00	48.12	0.3636609	0.3499623		-3.8	20
Dimethyl phthalate	A	50.00	50.26	1.244441	1.25103		0.5	20
4,6-Dinitro-2-methylphenol	A	50.00	54.22	0.1454148	0.1576764		8.4	20
2,4-Dinitrophenol	A	50.00	55.49	0.1854397	0.2057877	0.05	11.0	20
2,4-Dinitrotoluene	A	50.00	49.14	0.3929838	0.386215		-1.7	20
2,6-Dinitrotoluene	A	50.00	49.79	0.2991862	0.2979051		-0.4	20
Di-n-octylphthalate	A	50.00	68.63	1.204345	1.653168		37.3	20 *
1,2-Diphenylhydrazine	A	50.00	44.93	0.8507103	0.7644527		-10.1	20
Bis(2-ethylhexyl)phthalate	A	50.00	65.36	0.6793074	0.8880002		30.7	20 *
Fluoranthene	A	50.00	44.98	1.233837	1.109899		-10.0	20
Fluorene	A	50.00	48.08	1.337519	1.286038		-3.8	20
Hexachlorobenzene	A	50.00	44.42	0.244362	0.217082		-11.2	20
Hexachlorobutadiene	A	50.00	44.03	0.1868569	0.1645408		-11.9	20
Hexachlorocyclopentadiene	A	50.00	42.62	0.374975	0.3195931	0.05	-14.8	20
Hexachloroethane	A	50.00	50.37	0.5464632	0.5504634		0.7	20
Indeno(1,2,3-cd)pyrene	A	50.00	50.19	1.038008	1.041933		0.4	20
Isophorone	A	50.00	45.47	0.7442763	0.6768982		-9.1	20
1-Methylnaphthalene	A	50.00	48.86	0.5872691	0.5738277		-2.3	20
2-Methylnaphthalene	A	50.00	48.58	0.5974192	0.5804607		-2.8	20
2-Methylphenol	A	50.00	49.20	1.208635	1.189326		-1.6	20
3-Methylphenol/4-Methylphenol	A	50.00	49.85	1.268409	1.264596		-0.3	20
4-Nitroaniline	A	50.00	47.68	0.3272887	0.3120904		-4.6	20
3-Nitroaniline	A	50.00	52.52	0.3230815	0.3393593		5.0	20
2-Nitroaniline	A	50.00	47.78	0.3700237	0.3535641		-4.4	20
Nitrobenzene	A	50.00	45.04	0.4107927	0.3700553		-9.9	20
4-Nitrophenol	A	50.00	41.99	0.2721678	0.2285521	0.05	-16.0	20
2-Nitrophenol	A	50.00	51.49	0.1941449	0.1999462		3.0	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21802	Injection Date:	08/05/11
Lab Sample ID:	1H21802-CCV1	Injection Time:	15:55

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	52.68	0.6728889	0.7089731		5.4	20
N-Nitroso-di-n-propylamine	A	50.00	45.50	1.033966	0.940843	0.05	-9.0	20
Pentachlorophenol	A	50.00	45.10	0.1623094	0.1464185		-9.8	20
Phenanthrene	A	50.00	49.25	1.075866	1.059673		-1.5	20
Phenol	A	50.00	52.08	1.687698	1.757826		4.2	20
Pyrene	A	50.00	56.57	1.163766	1.316599		13.1	20
2,4,6-Trichlorophenol	A	50.00	48.93	0.382004	0.3738383		-2.1	20
2,4,5-Trichlorophenol	A	50.00	49.52	0.4142645	0.4102821		-1.0	20
2-Fluorobiphenyl	A	50.00	51.69	1.265417	1.308164		3.4	20
2-Fluorophenol	A	100.0	90.85	1.142171	1.037645		-9.2	20
Nitrobenzene-d5	A	50.00	46.73	0.4075494	0.3809055		-6.5	20
Phenol-d6	A	100.0	91.95	1.572986	1.446433		-8.0	20
Terphenyl-d14	A	50.00	53.54	0.7462196	0.7990119		7.1	20
2,4,6-Tribromophenol	A	100.0	87.70	0.109869	0.0963523		-12.3	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1H21802	Injection Date:	08/05/11
Lab Sample ID:	1H21802-CCV2	Injection Time:	16:44

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	47.88	0.2344682	0.2245171		-4.2	20
Benzaldehyde	A	50.00	51.40	1.010105	1.038297		2.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22312	Injection Date:	08/10/11
Lab Sample ID:	1H22312-CCV1	Injection Time:	22:06

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.37	1.110356	1.118668		0.7	20
Acenaphthylene	A	50.00	52.79	1.725208	1.821581		5.6	20
Acetophenone	A	50.00	52.84	1.801986	1.904481		5.7	20
Anthracene	A	50.00	51.02	1.092671	1.114978		2.0	20
Atrazine	A	50.00	44.89	0.2344682	0.210517		-10.2	20
Benzaldehyde	A	50.00	52.31	1.010105	1.056787		4.6	20
Benzidine	A	50.00	79.10	0.641297	1.014568		58.2	20 *
Benzo(a)anthracene	A	50.00	54.09	1.119297	1.21081		8.2	20
Benzo(a)pyrene	A	50.00	53.98	1.045862	1.129094		8.0	20
Benzo(b)fluoranthene	A	50.00	59.00	1.093698	1.290533		18.0	20
Benzo(g,h,i)perylene	A	50.00	49.73	1.033139	1.027507		-0.5	20
Benzoic acid	A	50.00	53.97	0.2679395	0.2892097		7.9	20
Benzo(k)fluoranthene	A	50.00	51.37	1.107729	1.138164		2.7	20
1,1-Biphenyl	A	50.00	49.80	1.444453	1.438603		-0.4	20
4-Bromophenyl-phenylether	A	50.00	44.26	0.2284778	0.2022288		-11.5	20
Butylbenzylphthalate	A	50.00	66.10	0.5129818	0.6781735		32.2	20 *
Caprolactam	A	50.00	52.73	0.1128421	0.1190119		5.5	20
Carbazole	A	50.00	53.00	1.044381	1.107042		6.0	20
4-Chloro-3-methylphenol	A	50.00	51.67	0.3113523	0.3217589		3.3	20
4-Chloroaniline	A	50.00	54.98	0.4225325	0.4645911		10.0	20
Bis(2-chloroethoxy)methane	A	50.00	46.80	0.4269873	0.3996611		-6.4	20
Bis(2-chloroethyl)ether	A	50.00	49.61	1.297842	1.28766		-0.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	62.99	1.947114	2.452945		26.0	20 *
2-Chloronaphthalene	A	50.00	55.45	1.087766	1.20632		10.9	20
2-Chlorophenol	A	50.00	54.57	1.315004	1.435217		9.1	20
4-Chlorophenyl phenyl ether	A	50.00	47.88	0.6233489	0.5969328		-4.2	20
Chrysene	A	50.00	53.34	1.047865	1.117953		6.7	20
Dibenz(a,h)anthracene	A	50.00	50.85	1.004478	1.021566		1.7	20
Dibenzofuran	A	50.00	51.96	1.535116	1.595264		3.9	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22312	Injection Date:	08/10/11
Lab Sample ID:	1H22312-CCV1	Injection Time:	22:06

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Di-n-butylphthalate	A	50.00	55.16	1.182012	1.304046		10.3	20	
3,3'-Dichlorobenzidine	A	50.00	61.45	0.4067228	0.4998542		22.9	20	*
2,4-Dichlorophenol	A	50.00	50.85	0.3046728	0.3098699		1.7	20	
Diethylphthalate	A	50.00	51.61	1.194731	1.233134		3.2	20	
2,4-Dimethylphenol	A	50.00	49.13	0.3636609	0.3573688		-1.7	20	
Dimethyl phthalate	A	50.00	50.97	1.244441	1.268636		1.9	20	
4,6-Dinitro-2-methylphenol	A	50.00	54.58	0.1454148	0.158729		9.2	20	
2,4-Dinitrophenol	A	50.00	55.88	0.1854397	0.2072604	0.05	11.8	20	
2,4-Dinitrotoluene	A	50.00	52.33	0.3929838	0.4112813		4.7	20	
2,6-Dinitrotoluene	A	50.00	51.77	0.2991862	0.3097677		3.5	20	
Di-n-octylphthalate	A	50.00	65.12	1.204345	1.568503		30.2	20	*
1,2-Diphenylhydrazine	A	50.00	43.10	0.8507103	0.7332925		-13.8	20	
Bis(2-ethylhexyl)phthalate	A	50.00	67.71	0.6793074	0.9198854		35.4	20	*
Fluoranthene	A	50.00	48.42	1.233837	1.194896		-3.2	20	
Fluorene	A	50.00	50.66	1.337519	1.355154		1.3	20	
Hexachlorobenzene	A	50.00	43.99	0.244362	0.2149789		-12.0	20	
Hexachlorobutadiene	A	50.00	40.02	0.1868569	0.1495483		-20.0	20	
Hexachlorocyclopentadiene	A	50.00	41.17	0.374975	0.3087554	0.05	-17.7	20	
Hexachloroethane	A	50.00	49.65	0.5464632	0.5426595		-0.7	20	
Indeno(1,2,3-cd)pyrene	A	50.00	51.49	1.038008	1.068936		3.0	20	
Isophorone	A	50.00	45.70	0.7442763	0.6802158		-8.6	20	
1-Methylnaphthalene	A	50.00	49.39	0.5872691	0.5800606		-1.2	20	
2-Methylnaphthalene	A	50.00	50.17	0.5974192	0.5994813		0.3	20	
2-Methylphenol	A	50.00	55.93	1.208635	1.351921		11.9	20	
3-Methylphenol/4-Methylphenol	A	50.00	56.84	1.268409	1.441855		13.7	20	
4-Nitroaniline	A	50.00	56.50	0.3272887	0.3698162		13.0	20	
3-Nitroaniline	A	50.00	55.37	0.3230815	0.3577981		10.7	20	
2-Nitroaniline	A	50.00	52.17	0.3700237	0.3860626		4.3	20	
Nitrobenzene	A	50.00	43.08	0.4107927	0.3539662		-13.8	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22312	Injection Date:	08/10/11
Lab Sample ID:	1H22312-CCV1	Injection Time:	22:06

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	46.18	0.2721678	0.2513621	0.05	-7.6	20
2-Nitrophenol	A	50.00	53.63	0.1941449	0.2082323		7.3	20
N-Nitrosodiphenylamine	A	50.00	53.24	0.6728889	0.7164693		6.5	20
N-Nitroso-di-n-propylamine	A	50.00	45.85	1.033966	0.9481587	0.05	-8.3	20
Pentachlorophenol	A	50.00	49.89	0.1623094	0.1619486		-0.2	20
Phenanthrene	A	50.00	51.19	1.075866	1.101415		2.4	20
Phenol	A	50.00	51.43	1.687698	1.736111		2.9	20
Pyrene	A	50.00	59.60	1.163766	1.387131		19.2	20
2,4,6-Trichlorophenol	A	50.00	47.67	0.382004	0.3641835		-4.7	20
2,4,5-Trichlorophenol	A	50.00	46.25	0.4142645	0.3831836		-7.5	20
2-Fluorobiphenyl	A	50.00	52.84	1.265417	1.337389		5.7	20
2-Fluorophenol	A	100.0	101.5	1.142171	1.159453		1.5	20
Nitrobenzene-d5	A	50.00	43.79	0.4075494	0.3569161		-12.4	20
Phenol-d6	A	100.0	99.15	1.572986	1.559538		-0.9	20
Terphenyl-d14	A	50.00	56.31	0.7462196	0.8404196		12.6	20
2,4,6-Tribromophenol	A	100.0	85.45	0.109869	9.387941E-02		-14.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22413	Injection Date:	08/10/11
Lab Sample ID:	1H22413-CCV1	Injection Time:	03:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	49.79	1.110356	1.10567		-0.4	20
Acenaphthylene	A	50.00	50.76	1.725208	1.751544		1.5	20
Acetophenone	A	50.00	49.38	1.801986	1.779746		-1.2	20
Anthracene	A	50.00	50.53	1.092671	1.104234		1.1	20
Atrazine	A	50.00	37.50	0.2344682	0.1758591		-25.0	20 *
Benzaldehyde	A	50.00	39.11	1.010105	0.7901004		-21.8	20 *
Benzidine	A	50.00	61.59	0.641297	0.7899767		23.2	20 *
Benzo(a)anthracene	A	50.00	52.00	1.119297	1.164172		4.0	20
Benzo(a)pyrene	A	50.00	52.05	1.045862	1.088745		4.1	20
Benzo(b)fluoranthene	A	50.00	53.82	1.093698	1.177242		7.6	20
Benzo(g,h,i)perylene	A	50.00	50.79	1.033139	1.049561		1.6	20
Benzoic acid	A	50.00	51.62	0.2679395	0.2766344		3.2	20
Benzo(k)fluoranthene	A	50.00	52.38	1.107729	1.160355		4.8	20
1,1-Biphenyl	A	50.00	50.37	1.444453	1.45527		0.7	20
4-Bromophenyl-phenylether	A	50.00	43.17	0.2284778	0.1972854		-13.7	20
Butylbenzylphthalate	A	50.00	60.89	0.5129818	0.6247402		21.8	20 *
Caprolactam	A	50.00	49.40	0.1128421	0.1114956		-1.2	20
Carbazole	A	50.00	49.27	1.044381	1.029123		-1.5	20
4-Chloro-3-methylphenol	A	50.00	46.97	0.3113523	0.2924554		-6.1	20
4-Chloroaniline	A	50.00	49.38	0.4225325	0.4172597		-1.2	20
Bis(2-chloroethoxy)methane	A	50.00	44.78	0.4269873	0.3824056		-10.4	20
Bis(2-chloroethyl)ether	A	50.00	47.12	1.297842	1.223013		-5.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	47.76	1.947114	1.859852		-4.5	20
2-Chloronaphthalene	A	50.00	53.63	1.087766	1.166682		7.3	20
2-Chlorophenol	A	50.00	50.90	1.315004	1.338696		1.8	20
4-Chlorophenyl phenyl ether	A	50.00	48.04	0.6233489	0.5988817		-3.9	20
Chrysene	A	50.00	53.21	1.047865	1.115088		6.4	20
Dibenz(a,h)anthracene	A	50.00	52.62	1.004478	1.057034		5.2	20
Dibenzofuran	A	50.00	49.32	1.535116	1.514145		-1.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22413	Injection Date:	08/10/11
Lab Sample ID:	1H22413-CCV1	Injection Time:	03:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Di-n-butylphthalate	A	50.00	51.33	1.182012	1.213499		2.7	20
3,3'-Dichlorobenzidine	A	50.00	59.99	0.4067228	0.4879785		20.0	20
2,4-Dichlorophenol	A	50.00	47.31	0.3046728	0.2882618		-5.4	20
Diethylphthalate	A	50.00	50.92	1.194731	1.216709		1.8	20
2,4-Dimethylphenol	A	50.00	46.08	0.3636609	0.3351513		-7.8	20
Dimethyl phthalate	A	50.00	48.73	1.244441	1.212888		-2.5	20
4,6-Dinitro-2-methylphenol	A	50.00	53.53	0.1454148	0.1556774		7.1	20
2,4-Dinitrophenol	A	50.00	55.18	0.1854397	0.2046595	0.05	10.4	20
2,4-Dinitrotoluene	A	50.00	50.73	0.3929838	0.3986904		1.5	20
2,6-Dinitrotoluene	A	50.00	51.08	0.2991862	0.3056268		2.2	20
Di-n-octylphthalate	A	50.00	58.93	1.204345	1.419529		17.9	20
1,2-Diphenylhydrazine	A	50.00	42.33	0.8507103	0.7202412		-15.3	20
Bis(2-ethylhexyl)phthalate	A	50.00	61.90	0.6793074	0.8409622		23.8	20 *
Fluoranthene	A	50.00	46.08	1.233837	1.137062		-7.8	20
Fluorene	A	50.00	48.86	1.337519	1.307042		-2.3	20
Hexachlorobenzene	A	50.00	45.12	0.244362	0.2205086		-9.8	20
Hexachlorobutadiene	A	50.00	40.98	0.1868569	0.1531297		-18.0	20
Hexachlorocyclopentadiene	A	50.00	43.43	0.374975	0.3257334	0.05	-13.1	20
Hexachloroethane	A	50.00	47.88	0.5464632	0.5233175		-4.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	51.20	1.038008	1.062885		2.4	20
Isophorone	A	50.00	42.92	0.7442763	0.6388942		-14.2	20
1-Methylnaphthalene	A	50.00	46.42	0.5872691	0.5452728		-7.2	20
2-Methylnaphthalene	A	50.00	46.66	0.5974192	0.5575194		-6.7	20
2-Methylphenol	A	50.00	49.88	1.208635	1.205847		-0.2	20
3-Methylphenol/4-Methylphenol	A	50.00	50.28	1.268409	1.275466		0.6	20
4-Nitroaniline	A	50.00	52.99	0.3272887	0.3468748		6.0	20
3-Nitroaniline	A	50.00	52.55	0.3230815	0.3395805		5.1	20
2-Nitroaniline	A	50.00	52.55	0.3700237	0.3888692		5.1	20
Nitrobenzene	A	50.00	42.80	0.4107927	0.3516639		-14.4	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22413	Injection Date:	08/10/11
Lab Sample ID:	1H22413-CCV1	Injection Time:	03:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
4-Nitrophenol	A	50.00	44.02	0.2721678	0.2395933	0.05	-12.0	20
2-Nitrophenol	A	50.00	51.03	0.1941449	0.1981422		2.1	20
N-Nitrosodiphenylamine	A	50.00	50.07	0.6728889	0.6738377		0.1	20
N-Nitroso-di-n-propylamine	A	50.00	44.02	1.033966	0.9102978	0.05	-12.0	20
Pentachlorophenol	A	50.00	49.47	0.1623094	0.1605873		-1.1	20
Phenanthrene	A	50.00	49.57	1.075866	1.066618		-0.9	20
Phenol	A	50.00	47.20	1.687698	1.593146		-5.6	20
Pyrene	A	50.00	56.25	1.163766	1.309133		12.5	20
2,4,6-Trichlorophenol	A	50.00	48.19	0.382004	0.3682087		-3.6	20
2,4,5-Trichlorophenol	A	50.00	48.22	0.4142645	0.3995053		-3.6	20
2-Fluorobiphenyl	A	50.00	51.57	1.265417	1.305246		3.1	20
2-Fluorophenol	A	100.0	94.93	1.142171	1.084223		-5.1	20
Nitrobenzene-d5	A	50.00	44.75	0.4075494	0.3647439		-10.5	20
Phenol-d6	A	100.0	91.47	1.572986	1.438744		-8.5	20
Terphenyl-d14	A	50.00	55.20	0.7462196	0.8238628		10.4	20
2,4,6-Tribromophenol	A	100.0	90.70	0.109869	9.964983E-02		-9.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22707	Injection Date:	08/13/11
Lab Sample ID:	1H22707-CCV1	Injection Time:	19:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.45	1.110356	1.120248		0.9	20
Acenaphthylene	A	50.00	52.58	1.725208	1.814308		5.2	20
Acetophenone	A	50.00	56.51	1.801986	2.036498		13.0	20
Anthracene	A	50.00	51.83	1.092671	1.132711		3.7	20
Benzidine	A	50.00	64.82	0.641297	0.8314379		29.6	20 *
Benzo(a)anthracene	A	50.00	53.69	1.119297	1.201889		7.4	20
Benzo(a)pyrene	A	50.00	53.48	1.045862	1.118724		7.0	20
Benzo(b)fluoranthene	A	50.00	59.44	1.093698	1.300154		18.9	20
Benzo(g,h,i)perylene	A	50.00	53.22	1.033139	1.099757		6.4	20
Benzoic acid	A	50.00	52.75	0.2679395	0.2826528		5.5	20
Benzo(k)fluoranthene	A	50.00	54.33	1.107729	1.2036		8.7	20
1,1-Biphenyl	A	50.00	49.79	1.444453	1.438322		-0.4	20
4-Bromophenyl-phenylether	A	50.00	45.35	0.2284778	0.2072341		-9.3	20
Butylbenzylphthalate	A	50.00	70.16	0.5129818	0.7198456		40.3	20 *
Caprolactam	A	50.00	52.40	0.1128421	0.118248		4.8	20
Carbazole	A	50.00	52.03	1.044381	1.086726		4.1	20
4-Chloro-3-methylphenol	A	50.00	51.69	0.3113523	0.3218713		3.4	20
4-Chloroaniline	A	50.00	54.03	0.4225325	0.4565837		8.1	20
Bis(2-chloroethoxy)methane	A	50.00	47.70	0.4269873	0.4073221		-4.6	20
Bis(2-chloroethyl)ether	A	50.00	53.65	1.297842	1.39257		7.3	20
2,2'-Oxybis-1-chloropropane	A	50.00	61.10	1.947114	2.379403		22.2	20 *
2-Chloronaphthalene	A	50.00	57.86	1.087766	1.258657		15.7	20
2-Chlorophenol	A	50.00	56.28	1.315004	1.48017		12.6	20
4-Chlorophenyl phenyl ether	A	50.00	47.67	0.6233489	0.5942468		-4.7	20
Chrysene	A	50.00	53.86	1.047865	1.128802		7.7	20
Dibenz(a,h)anthracene	A	50.00	52.54	1.004478	1.055425		5.1	20
Dibenzofuran	A	50.00	51.79	1.535116	1.590141		3.6	20
Di-n-butylphthalate	A	50.00	54.35	1.182012	1.284888		8.7	20
3,3'-Dichlorobenzidine	A	50.00	58.17	0.4067228	0.4731775		16.3	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22707	Injection Date:	08/13/11
Lab Sample ID:	1H22707-CCV1	Injection Time:	19:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	51.06	0.3046728	0.3111057		2.1	20
Diethylphthalate	A	50.00	51.25	1.194731	1.224531		2.5	20
2,4-Dimethylphenol	A	50.00	49.17	0.3636609	0.3576348		-1.7	20
Dimethyl phthalate	A	50.00	50.87	1.244441	1.265977		1.7	20
4,6-Dinitro-2-methylphenol	A	50.00	55.97	0.1454148	0.1627668		11.9	20
2,4-Dinitrophenol	A	50.00	55.07	0.1854397	0.204249	0.05	10.1	20
2,4-Dinitrotoluene	A	50.00	52.05	0.3929838	0.4091232		4.1	20
2,6-Dinitrotoluene	A	50.00	52.71	0.2991862	0.3153901		5.4	20
Di-n-octylphthalate	A	50.00	75.93	1.204345	1.828821		51.9	20 *
1,2-Diphenylhydrazine	A	50.00	43.69	0.8507103	0.7433438		-12.6	20
Bis(2-ethylhexyl)phthalate	A	50.00	70.11	0.6793074	0.9525076		40.2	20 *
Fluoranthene	A	50.00	46.95	1.233837	1.158632		-6.1	20
Fluorene	A	50.00	49.87	1.337519	1.333916		-0.3	20
Hexachlorobenzene	A	50.00	45.49	0.244362	0.2223092		-9.0	20
Hexachlorobutadiene	A	50.00	39.39	0.1868569	0.1472133		-21.2	20 *
Hexachlorocyclopentadiene	A	50.00	41.29	0.374975	0.3096708	0.05	-17.4	20
Hexachloroethane	A	50.00	49.48	0.5464632	0.5408026		-1.0	20
Indeno(1,2,3-cd)pyrene	A	50.00	55.22	1.038008	1.146275		10.4	20
Isophorone	A	50.00	45.40	0.7442763	0.675736		-9.2	20
1-Methylnaphthalene	A	50.00	49.78	0.5872691	0.5846641		-0.4	20
2-Methylnaphthalene	A	50.00	49.85	0.5974192	0.5956774		-0.3	20
2-Methylphenol	A	50.00	58.42	1.208635	1.412169		16.8	20
3-Methylphenol/4-Methylphenol	A	50.00	60.38	1.268409	1.531819		20.8	20 *
4-Nitroaniline	A	50.00	53.59	0.3272887	0.3508119		7.2	20
3-Nitroaniline	A	50.00	54.14	0.3230815	0.3498541		8.3	20
2-Nitroaniline	A	50.00	51.06	0.3700237	0.3778667		2.1	20
Nitrobenzene	A	50.00	42.45	0.4107927	0.3487287		-15.1	20
4-Nitrophenol	A	50.00	43.69	0.2721678	0.2377982	0.05	-12.6	20
2-Nitrophenol	A	50.00	53.88	0.1941449	0.2092199		7.8	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22707	Injection Date:	08/13/11
Lab Sample ID:	1H22707-CCV1	Injection Time:	19:38

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	54.82	0.6728889	0.7378168		9.6	20
N-Nitroso-di-n-propylamine	A	50.00	48.22	1.033966	0.9971872	0.05	-3.6	20
Pentachlorophenol	A	50.00	49.85	0.1623094	0.1618084		-0.3	20
Phenanthrene	A	50.00	51.30	1.075866	1.103846		2.6	20
Phenol	A	50.00	52.52	1.687698	1.772768		5.0	20
Pyrene	A	50.00	64.30	1.163766	1.496492		28.6	20 *
2,4,6-Trichlorophenol	A	50.00	46.55	0.382004	0.3556571		-6.9	20
2,4,5-Trichlorophenol	A	50.00	47.27	0.4142645	0.3916113		-5.5	20
2-Fluorobiphenyl	A	50.00	53.03	1.265417	1.342043		6.1	20
2-Fluorophenol	A	100.0	96.78	1.142171	1.105416		-3.2	20
Nitrobenzene-d5	A	50.00	42.84	0.4075494	0.3492204		-14.3	20
Phenol-d6	A	100.0	101.2	1.572986	1.592083		1.2	20
Terphenyl-d14	A	50.00	61.28	0.7462196	0.9145083		22.6	20 *
2,4,6-Tribromophenol	A	100.0	90.01	0.109869	9.889254E-02		-10.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22707	Injection Date:	08/13/11
Lab Sample ID:	1H22707-CCV2	Injection Time:	20:18

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	46.88	0.2344682	0.2198263		-6.2	20
Benzaldehyde	A	50.00	52.72	1.010105	1.065008		5.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22708	Injection Date:	08/14/11
Lab Sample ID:	1H22708-CCV1	Injection Time:	07:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	50.12	1.110356	1.113012		0.2	20	
Acenaphthylene	A	50.00	52.67	1.725208	1.817463		5.3	20	
Acetophenone	A	50.00	49.60	1.801986	1.78746		-0.8	20	
Anthracene	A	50.00	51.27	1.092671	1.120507		2.5	20	
Benzidine	A	50.00	64.39	0.641297	0.8259016		28.8	20	*
Benzo(a)anthracene	A	50.00	53.50	1.119297	1.197647		7.0	20	
Benzo(a)pyrene	A	50.00	53.52	1.045862	1.119437		7.0	20	
Benzo(b)fluoranthene	A	50.00	58.35	1.093698	1.276446		16.7	20	
Benzo(g,h,i)perylene	A	50.00	50.32	1.033139	1.039822		0.6	20	
Benzoic acid	A	50.00	53.29	0.2679395	0.2855621		6.6	20	
Benzo(k)fluoranthene	A	50.00	52.66	1.107729	1.166745		5.3	20	
1,1-Biphenyl	A	50.00	49.50	1.444453	1.430057		-1.0	20	
4-Bromophenyl-phenylether	A	50.00	45.51	0.2284778	0.2079658		-9.0	20	
Butylbenzylphthalate	A	50.00	66.32	0.5129818	0.6804702		32.6	20	*
Caprolactam	A	50.00	50.66	0.1128421	0.1143221		1.3	20	
Carbazole	A	50.00	51.50	1.044381	1.075709		3.0	20	
4-Chloro-3-methylphenol	A	50.00	48.84	0.3113523	0.3041208		-2.3	20	
4-Chloroaniline	A	50.00	53.63	0.4225325	0.4532073		7.3	20	
Bis(2-chloroethoxy)methane	A	50.00	46.77	0.4269873	0.3994188		-6.5	20	
Bis(2-chloroethyl)ether	A	50.00	49.85	1.297842	1.293869		-0.3	20	
2,2'-Oxybis-1-chloropropane	A	50.00	56.42	1.947114	2.197013		12.8	20	
2-Chloronaphthalene	A	50.00	55.35	1.087766	1.204123		10.7	20	
2-Chlorophenol	A	50.00	53.33	1.315004	1.402696		6.7	20	
4-Chlorophenyl phenyl ether	A	50.00	47.14	0.6233489	0.5877268		-5.7	20	
Chrysene	A	50.00	53.68	1.047865	1.124963		7.4	20	
Dibenz(a,h)anthracene	A	50.00	51.30	1.004478	1.030517		2.6	20	
Dibenzofuran	A	50.00	51.08	1.535116	1.568249		2.2	20	
Di-n-butylphthalate	A	50.00	52.79	1.182012	1.247876		5.6	20	
3,3'-Dichlorobenzidine	A	50.00	59.39	0.4067228	0.4831385		18.8	20	

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22708	Injection Date:	08/14/11
Lab Sample ID:	1H22708-CCV1	Injection Time:	07:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dichlorophenol	A	50.00	49.98	0.3046728	0.3045602		-0.04	20
Diethylphthalate	A	50.00	49.92	1.194731	1.192799		-0.2	20
2,4-Dimethylphenol	A	50.00	48.35	0.3636609	0.3516904		-3.3	20
Dimethyl phthalate	A	50.00	49.95	1.244441	1.243312		-0.09	20
4,6-Dinitro-2-methylphenol	A	50.00	55.54	0.1454148	0.1615155		11.1	20
2,4-Dinitrophenol	A	50.00	54.88	0.1854397	0.2035225	0.05	9.8	20
2,4-Dinitrotoluene	A	50.00	52.16	0.3929838	0.4099764		4.3	20
2,6-Dinitrotoluene	A	50.00	52.02	0.2991862	0.3112473		4.0	20
Di-n-octylphthalate	A	50.00	67.52	1.204345	1.626404		35.0	20 *
1,2-Diphenylhydrazine	A	50.00	43.16	0.8507103	0.7342581		-13.7	20
Bis(2-ethylhexyl)phthalate	A	50.00	65.85	0.6793074	0.8946815		31.7	20 *
Fluoranthene	A	50.00	46.87	1.233837	1.156654		-6.3	20
Fluorene	A	50.00	49.78	1.337519	1.331619		-0.4	20
Hexachlorobenzene	A	50.00	44.73	0.244362	0.2185917		-10.5	20
Hexachlorobutadiene	A	50.00	41.28	0.1868569	0.1542619		-17.4	20
Hexachlorocyclopentadiene	A	50.00	41.49	0.374975	0.3111359	0.05	-17.0	20
Hexachloroethane	A	50.00	48.39	0.5464632	0.5288365		-3.2	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.21	1.038008	1.083791		4.4	20
Isophorone	A	50.00	44.36	0.7442763	0.6603704		-11.3	20
1-Methylnaphthalene	A	50.00	48.87	0.5872691	0.5739982		-2.3	20
2-Methylnaphthalene	A	50.00	48.84	0.5974192	0.5835655		-2.3	20
2-Methylphenol	A	50.00	53.31	1.208635	1.288694		6.6	20
3-Methylphenol/4-Methylphenol	A	50.00	52.87	1.268409	1.341093		5.7	20
4-Nitroaniline	A	50.00	53.13	0.3272887	0.3477452		6.3	20
3-Nitroaniline	A	50.00	53.30	0.3230815	0.3444261		6.6	20
2-Nitroaniline	A	50.00	50.11	0.3700237	0.3708091		0.2	20
Nitrobenzene	A	50.00	42.99	0.4107927	0.353226		-14.0	20
4-Nitrophenol	A	50.00	43.80	0.2721678	0.2384414	0.05	-12.4	20
2-Nitrophenol	A	50.00	53.67	0.1941449	0.2083819		7.3	20

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV3.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22708	Injection Date:	08/14/11
Lab Sample ID:	1H22708-CCV1	Injection Time:	07:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
N-Nitrosodiphenylamine	A	50.00	54.61	0.6728889	0.7349394		9.2	20
N-Nitroso-di-n-propylamine	A	50.00	42.94	1.033966	0.8880611	0.05	-14.1	20
Pentachlorophenol	A	50.00	48.59	0.1623094	0.1577193		-2.8	20
Phenanthrene	A	50.00	50.82	1.075866	1.09359		1.6	20
Phenol	A	50.00	48.66	1.687698	1.642375		-2.7	20
Pyrene	A	50.00	62.26	1.163766	1.449214		24.5	20 *
2,4,6-Trichlorophenol	A	50.00	47.48	0.382004	0.3627331		-5.0	20
2,4,5-Trichlorophenol	A	50.00	46.10	0.4142645	0.3819709		-7.8	20
2-Fluorobiphenyl	A	50.00	53.00	1.265417	1.341421		6.0	20
2-Fluorophenol	A	100.0	97.88	1.142171	1.117972		-2.1	20
Nitrobenzene-d5	A	50.00	43.52	0.4075494	0.3546913		-13.0	20
Phenol-d6	A	100.0	95.04	1.572986	1.494964		-5.0	20
Terphenyl-d14	A	50.00	59.46	0.7462196	0.8874528		18.9	20
2,4,6-Tribromophenol	A	100.0	90.04	0.109869	9.893115E-02		-10.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8270C

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	1122001
Lab File ID:	SEQ-CCV4.D	Calibration Date:	04/29/11 00:00
Sequence:	1H22708	Injection Date:	08/14/11
Lab Sample ID:	1H22708-CCV2	Injection Time:	08:06

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Atrazine	A	50.00	45.98	0.2344682	0.2156327		-8.0	20
Benzaldehyde	A	50.00	53.17	1.010105	1.074153		6.3	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_021

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

Matrix: Laboratory ID: 1G28008-BLK1 File ID: G28008B1.D

Sampled: Prepared: Analyzed: 08/03/11 11:54

Solids: Preparation: EXT_3510 Dilution:

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 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	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	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	Y, U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	Y, U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam	1.27	1.25	2.50	5.00	Q, Y, J
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	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	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	Y, 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		12.5	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28008-BLK1 File ID: G28008B1.D

Sampled: Prepared: Analyzed: 08/03/11 11:54

Solids: Preparation: EXT_3510 Dilution:

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 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	1.86	1.25	2.50	5.00	J
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	Y, U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	Q, U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	36.36	72.7	50 - 110	
2-Fluorophenol	100.0	37.70	37.7	20 - 110	
Nitrobenzene-d5	50.00	44.43	88.9	40 - 110	
Phenol-d6	100.0	20.38	20.4	10 - 110	
Terphenyl-d14	50.00	55.17	110	50 - 135	
2,4,6-Tribromophenol	100.0	82.05	82.1	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28008-BS1 File ID: G28008L1.D

Sampled: Prepared: Analyzed: 08/03/11 11:21

Solids: Preparation: EXT_3510 Dilution:

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
91-94-1	3,3'-Dichlorobenzidine	39.13	1.25	2.50	5.00	
83-32-9	Acenaphthene	40.83	1.25	2.50	5.00	
208-96-8	Acenaphthylene	37.86	1.25	2.50	5.00	
98-86-2	Acetophenone	46.85	1.25	2.50	5.00	
120-12-7	Anthracene	48.09	1.25	2.50	5.00	
1912-24-9	Atrazine	49.30	1.25	2.50	5.00	
100-52-7	Benzaldehyde	39.49	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	U
56-55-3	Benzo(a)anthracene	46.20	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	47.68	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	45.86	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	56.87	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	Y, U
207-08-9	Benzo(k)fluoranthene	50.38	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	43.91	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	44.06	1.25	2.50	5.00	Y
85-68-7	Butylbenzylphthalate	48.25	1.25	2.50	5.00	
105-60-2	Caprolactam	6.730	1.25	2.50	5.00	Y, B
86-74-8	Carbazole	50.51	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	39.58	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	28.63	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	48.11	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	40.78	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	39.96	1.25	2.50	5.00	Y
91-58-7	2-Chloronaphthalene	42.77	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	35.82	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	47.89	1.25	2.50	5.00	
218-01-9	Chrysene	47.85	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	56.71	1.25	2.50	5.00	Y
132-64-9	Dibenzofuran	50.18	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	50.71	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	41.44	1.25	2.50	5.00	
84-66-2	Diethylphthalate	50.66	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	31.29	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	52.07	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	58.82	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	59.01	12.5	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	56.18	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	44.11	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	55.08	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G28008-BS1 File ID: G28008L1.D

Sampled: Prepared: Analyzed: 08/03/11 11:21

Solids: Preparation: EXT_3510 Dilution:

Batch: 1G28008 Sequence: 1H21605 Calibration: 1203001 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	48.72	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	51.81	1.25	2.50	5.00	B
206-44-0	Fluoranthene	49.69	1.25	2.50	5.00	
86-73-7	Fluorene	44.67	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	44.96	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	37.00	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	28.69	1.25	2.50	5.00	
67-72-1	Hexachloroethane	31.89	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	56.52	1.25	2.50	5.00	
78-59-1	Isophorone	41.63	1.25	2.50	5.00	Y
90-12-0	1-Methylnaphthalene	44.05	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	43.95	1.25	2.50	5.00	
95-48-7	2-Methylphenol	30.97	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	26.46	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	60.64	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	37.45	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	45.95	5.00	10.0	20.0	
98-95-3	Nitrobenzene	41.91	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	13.08	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	43.74	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.86	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	43.11	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	47.00	5.00	10.0	20.0	
85-01-8	Phenanthrene	46.47	1.25	2.50	5.00	
108-95-2	Phenol	13.23	1.25	2.50	5.00	
129-00-0	Pyrene	51.36	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	45.46	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	43.71	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	29.52	59.0	50 - 110	
2-Fluorophenol	100.0	43.54	43.5	20 - 110	
Nitrobenzene-d5	50.00	42.20	84.4	40 - 110	
Phenol-d6	100.0	23.70	23.7	10 - 110	
Terphenyl-d14	50.00	51.17	102	50 - 135	
2,4,6-Tribromophenol	100.0	93.34	93.3	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G29004-BLK1 File ID: G29004B1.D

Sampled: Prepared: Analyzed: 07/31/11 21:51

Solids: Preparation: EXT_3510 Dilution:

Batch: 1G29004 Sequence: 1H21312 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	Y, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	X, U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	Q, 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	X, U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G29004-BLK1 File ID: G29004B1.D

Sampled: Prepared: Analyzed: 07/31/11 21:51

Solids: Preparation: EXT_3510 Dilution:

Batch: 1G29004 Sequence: 1H21312 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	2.38	1.25	2.50	5.00	X, Q, J
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	2.50	5.00	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	Q, U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.05	70.1	50 - 110	
2-Fluorophenol	100.0	32.19	32.2	20 - 110	
Nitrobenzene-d5	50.00	32.33	64.7	40 - 110	
Phenol-d6	100.0	18.50	18.5	10 - 110	
Terphenyl-d14	50.00	56.03	112	50 - 135	
2,4,6-Tribromophenol	100.0	88.83	88.8	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: kirtland_021

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

Matrix: | Laboratory ID: 1G29004-BS1 | File ID: G29004L1.D

Sampled: | Prepared: | Analyzed: 07/31/11 23:33

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 1G29004 | Sequence: 1H21312 | Calibration: 1122001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.57	1.25	2.50	5.00	
208-96-8	Acenaphthylene	39.40	1.25	2.50	5.00	
98-86-2	Acetophenone	34.68	1.25	2.50	5.00	
120-12-7	Anthracene	47.44	1.25	2.50	5.00	
1912-24-9	Atrazine	35.00	1.25	2.50	5.00	
100-52-7	Benzaldehyde	34.45	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	Y, U
56-55-3	Benzo(a)anthracene	49.93	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	49.34	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	52.45	1.25	2.50	5.00	X
191-24-2	Benzo(g,h,i)perylene	50.69	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	50.39	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	41.15	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	49.05	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	63.52	1.25	2.50	5.00	
105-60-2	Caprolactam	6.104	1.25	2.50	5.00	
86-74-8	Carbazole	43.95	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	25.02	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	19.53	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	36.86	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	33.36	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	33.85	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	44.26	1.25	2.50	5.00	X
95-57-8	2-Chlorophenol	23.94	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	48.92	1.25	2.50	5.00	
218-01-9	Chrysene	49.22	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	52.88	1.25	2.50	5.00	
132-64-9	Dibenzofuran	45.64	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	53.00	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	34.73	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	25.76	1.25	2.50	5.00	
84-66-2	Diethylphthalate	44.43	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	21.19	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	39.12	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	37.61	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	32.16	12.5	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	43.97	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	42.00	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	66.67	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1G29004-BS1 File ID: G29004L1.D

Sampled: Prepared: Analyzed: 07/31/11 23:33

Solids: Preparation: EXT_3510 Dilution:

Batch: 1G29004 Sequence: 1H21312 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	39.41	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	66.49	1.25	2.50	5.00	X, B
206-44-0	Fluoranthene	44.64	1.25	2.50	5.00	
86-73-7	Fluorene	44.82	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	46.04	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	25.89	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	25.26	1.25	2.50	5.00	
67-72-1	Hexachloroethane	21.82	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	50.17	1.25	2.50	5.00	
78-59-1	Isophorone	31.70	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	38.07	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	38.06	1.25	2.50	5.00	
95-48-7	2-Methylphenol	19.36	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	18.00	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	32.59	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	28.65	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	34.29	5.00	10.0	20.0	
98-95-3	Nitrobenzene	31.08	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	10.31	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	28.88	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	37.74	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	33.35	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	33.05	5.00	10.0	20.0	
85-01-8	Phenanthrene	47.85	1.25	2.50	5.00	
108-95-2	Phenol	9.145	1.25	2.50	5.00	
129-00-0	Pyrene	52.09	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	29.90	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	28.99	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	33.60	67.2	50 - 110	
2-Fluorophenol	100.0	33.10	33.1	20 - 110	
Nitrobenzene-d5	50.00	32.81	65.6	40 - 110	
Phenol-d6	100.0	18.86	18.9	10 - 110	
Terphenyl-d14	50.00	49.22	98.4	50 - 135	
2,4,6-Tribromophenol	100.0	59.48	59.5	40 - 125	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H01006-BLK1 File ID: H01006B1.D

Sampled: Prepared: Analyzed: 08/11/11 01:01

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H01006 Sequence: 1H22312 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	X, U
105-60-2	Caprolactam		1.25	2.50	5.00	Q, U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	X, U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	X, U
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	U
51-28-5	2,4-Dinitrophenol		12.5	25.0	50.0	X, U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	X, U

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H01006-BLK1 File ID: H01006B1.D

Sampled: Prepared: Analyzed: 08/11/11 01:01

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H01006 Sequence: 1H22312 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	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
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	26.89	53.8	50 - 110	
2-Fluorophenol	100.0	29.80	29.8	20 - 110	
Nitrobenzene-d5	50.00	28.91	57.8	40 - 110	
Phenol-d6	100.0	16.68	16.7	0 - 110	
Terphenyl-d14	50.00	43.64	87.3	50 - 135	
2,4,6-Tribromophenol	100.0	68.97	69.0	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H01006-BS2 File ID: H01006L1.D

Sampled: Prepared: Analyzed: 08/10/11 06:24

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	39.16	1.25	2.50	5.00	
208-96-8	Acenaphthylene	37.65	1.25	2.50	5.00	
98-86-2	Acetophenone	37.14	1.25	2.50	5.00	
120-12-7	Anthracene	44.13	1.25	2.50	5.00	
1912-24-9	Atrazine	38.21	1.25	2.50	5.00	Y
100-52-7	Benzaldehyde	39.90	1.25	2.50	5.00	Y
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	44.21	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	42.17	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	43.95	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	42.82	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	43.57	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	42.57	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	41.01	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	55.53	1.25	2.50	5.00	X
105-60-2	Caprolactam	5.271	1.25	2.50	5.00	
86-74-8	Carbazole	44.31	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	26.25	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	28.71	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	39.66	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	37.69	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	35.69	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	38.65	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	26.47	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	41.91	1.25	2.50	5.00	
218-01-9	Chrysene	44.55	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	42.08	1.25	2.50	5.00	
132-64-9	Dibenzofuran	42.27	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	47.55	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	37.27	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	29.17	1.25	2.50	5.00	
84-66-2	Diethylphthalate	45.30	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	25.31	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	41.57	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	36.93	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	32.52	12.5	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	42.59	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	41.87	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	53.55	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H01006-BS2 File ID: H01006L1.D

Sampled: Prepared: Analyzed: 08/10/11 06:24

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H01006 Sequence: 1H22413 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	35.45	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	57.05	1.25	2.50	5.00	X
206-44-0	Fluoranthene	41.05	1.25	2.50	5.00	
86-73-7	Fluorene	40.89	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	39.39	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	18.39	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	18.00	1.25	2.50	5.00	
67-72-1	Hexachloroethane	17.30	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	42.56	1.25	2.50	5.00	
78-59-1	Isophorone	34.22	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	33.30	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	33.11	1.25	2.50	5.00	
95-48-7	2-Methylphenol	22.50	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	20.69	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	37.73	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	32.83	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	33.29	5.00	10.0	20.0	
98-95-3	Nitrobenzene	31.78	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	6.721	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	33.11	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	35.83	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	36.58	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	37.59	5.00	10.0	20.0	
85-01-8	Phenanthrene	44.79	1.25	2.50	5.00	
108-95-2	Phenol	9.133	1.25	2.50	5.00	
129-00-0	Pyrene	48.43	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	33.31	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	31.15	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	30.10	60.2	50 - 110	
2-Fluorophenol	100.0	33.18	33.2	20 - 110	
Nitrobenzene-d5	50.00	32.48	65.0	40 - 110	
Phenol-d6	100.0	18.72	18.7	0 - 110	
Terphenyl-d14	50.00	48.21	96.4	50 - 135	
2,4,6-Tribromophenol	100.0	71.72	71.7	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H01006-MS2 File ID: 0725101M.D

Sampled: Prepared: Analyzed: 08/11/11 09:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H01006 Sequence: 1H22312 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	42.09	1.23	2.45	4.90	
208-96-8	Acenaphthylene	40.78	1.23	2.45	4.90	
98-86-2	Acetophenone	41.96	1.23	2.45	4.90	
120-12-7	Anthracene	47.44	1.23	2.45	4.90	
1912-24-9	Atrazine	40.34	1.23	2.45	4.90	
100-52-7	Benzaldehyde	45.53	1.23	2.45	4.90	
92-87-5	Benzidine		12.3	24.5	49.0	X, U
56-55-3	Benzo(a)anthracene	49.85	1.23	2.45	4.90	
50-32-8	Benzo(a)pyrene	48.08	1.23	2.45	4.90	
205-99-2	Benzo(b)fluoranthene	50.01	1.23	2.45	4.90	
191-24-2	Benzo(g,h,i)perylene	47.76	1.23	2.45	4.90	
65-85-0	Benzoic acid		12.3	24.5	49.0	U
207-08-9	Benzo(k)fluoranthene	49.85	1.23	2.45	4.90	
92-52-4	1,1-Biphenyl	44.23	1.23	2.45	4.90	
101-55-3	4-Bromophenyl-phenylether	43.59	1.23	2.45	4.90	
85-68-7	Butylbenzylphthalate	67.73	1.23	2.45	4.90	X
105-60-2	Caprolactam	6.520	1.23	2.45	4.90	Q
86-74-8	Carbazole	50.92	1.23	2.45	4.90	
59-50-7	4-Chloro-3-methylphenol	25.67	1.23	2.45	4.90	
106-47-8	4-Chloroaniline	32.62	1.23	2.45	4.90	
111-91-1	Bis(2-chloroethoxy)methane	42.26	1.23	2.45	4.90	
111-44-4	Bis(2-chloroethyl)ether	40.41	1.23	2.45	4.90	
108-60-1	2,2'-Oxybis-1-chloropropane	50.76	1.23	2.45	4.90	X
91-58-7	2-Chloronaphthalene	42.33	1.23	2.45	4.90	
95-57-8	2-Chlorophenol	25.57	1.23	2.45	4.90	
7005-72-3	4-Chlorophenyl phenyl ether	43.88	1.23	2.45	4.90	
218-01-9	Chrysene	49.78	1.23	2.45	4.90	
53-70-3	Dibenz(a,h)anthracene	48.58	1.23	2.45	4.90	
132-64-9	Dibenzofuran	46.74	1.23	2.45	4.90	
84-74-2	Di-n-butylphthalate	54.65	1.23	2.45	4.90	
91-94-1	3,3'-Dichlorobenzidine	42.47	1.23	2.45	4.90	X
120-83-2	2,4-Dichlorophenol	27.25	1.23	2.45	4.90	
84-66-2	Diethylphthalate	47.71	1.23	2.45	4.90	
105-67-9	2,4-Dimethylphenol	23.41	4.90	9.80	19.6	
131-11-3	Dimethyl phthalate	43.75	1.23	2.45	4.90	
534-52-1	4,6-Dinitro-2-methylphenol	35.12	4.90	9.80	19.6	
51-28-5	2,4-Dinitrophenol	31.89	12.3	24.5	49.0	X, J
121-14-2	2,4-Dinitrotoluene	47.35	1.23	2.45	4.90	
606-20-2	2,6-Dinitrotoluene	46.37	1.23	2.45	4.90	
117-84-0	Di-n-octylphthalate	65.07	1.23	2.45	4.90	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H01006-MS2 File ID: 0725101M.D

Sampled: Prepared: Analyzed: 08/11/11 09:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H01006 Sequence: 1H22312 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	40.46	1.23	2.45	4.90	
117-81-7	Bis(2-ethylhexyl)phthalate	68.93	1.23	2.45	4.90	X
206-44-0	Fluoranthene	45.17	1.23	2.45	4.90	
86-73-7	Fluorene	44.12	1.23	2.45	4.90	
118-74-1	Hexachlorobenzene	41.80	1.23	2.45	4.90	
87-68-3	Hexachlorobutadiene	20.14	1.23	2.45	4.90	
77-47-4	Hexachlorocyclopentadiene	21.56	1.23	2.45	4.90	
67-72-1	Hexachloroethane	18.49	1.23	2.45	4.90	
193-39-5	Indeno(1,2,3-cd)pyrene	50.13	1.23	2.45	4.90	
78-59-1	Isophorone	37.01	1.23	2.45	4.90	
90-12-0	1-Methylnaphthalene	37.74	1.23	2.45	4.90	
91-57-6	2-Methylnaphthalene	37.45	1.23	2.45	4.90	
95-48-7	2-Methylphenol	21.79	1.23	2.45	4.90	
108-39-4/106	3-Methylphenol/4-Methylphenol	20.18	1.23	2.45	4.90	
100-01-6	4-Nitroaniline	42.18	4.90	9.80	19.6	
99-09-2	3-Nitroaniline	36.04	4.90	9.80	19.6	
88-74-4	2-Nitroaniline	38.03	4.90	9.80	19.6	
98-95-3	Nitrobenzene	35.08	1.23	2.45	4.90	
100-02-7	4-Nitrophenol	8.792	4.90	9.80	19.6	J
88-75-5	2-Nitrophenol	29.82	1.23	2.45	4.90	
86-30-6	N-Nitrosodiphenylamine	40.49	1.23	2.45	4.90	
621-64-7	N-Nitroso-di-n-propylamine	37.66	1.23	2.45	4.90	
87-86-5	Pentachlorophenol	34.40	4.90	9.80	19.6	
85-01-8	Phenanthrene	48.19	1.23	2.45	4.90	
108-95-2	Phenol	9.838	1.23	2.45	4.90	
129-00-0	Pyrene	55.12	1.23	2.45	4.90	
88-06-2	2,4,6-Trichlorophenol	27.40	1.23	2.45	4.90	
95-95-4	2,4,5-Trichlorophenol	28.11	1.23	2.45	4.90	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	37.30	76.1	50 - 110	
2-Fluorophenol	98.04	35.08	35.8	20 - 110	
Nitrobenzene-d5	49.02	36.47	74.4	40 - 110	
Phenol-d6	98.04	20.51	20.9	0 - 110	
Terphenyl-d14	49.02	46.15	94.1	50 - 135	
2,4,6-Tribromophenol	98.04	58.66	59.8	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H01006-MSD2 File ID: 0725101S.D

Sampled: Prepared: Analyzed: 08/14/11 05:39

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H01006 Sequence: 1H22707 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	43.51	1.25	2.50	5.00	
208-96-8	Acenaphthylene	41.09	1.25	2.50	5.00	
98-86-2	Acetophenone	48.07	1.25	2.50	5.00	
120-12-7	Anthracene	47.19	1.25	2.50	5.00	
1912-24-9	Atrazine	45.30	1.25	2.50	5.00	
100-52-7	Benzaldehyde	50.14	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	25.0	50.0	X, U
56-55-3	Benzo(a)anthracene	50.09	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	48.53	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	51.32	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	52.01	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	25.0	50.0	U
207-08-9	Benzo(k)fluoranthene	49.30	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	48.15	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	45.26	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	73.72	1.25	2.50	5.00	X
105-60-2	Caprolactam	6.953	1.25	2.50	5.00	Q
86-74-8	Carbazole	50.04	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	36.37	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	37.90	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	46.66	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	46.18	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	54.68	1.25	2.50	5.00	X
91-58-7	2-Chloronaphthalene	44.35	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	36.01	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	44.31	1.25	2.50	5.00	
218-01-9	Chrysene	50.27	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	52.79	1.25	2.50	5.00	
132-64-9	Dibenzofuran	47.22	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	53.99	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	41.32	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	40.20	1.25	2.50	5.00	
84-66-2	Diethylphthalate	50.01	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	29.50	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	49.81	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	53.41	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	49.83	12.5	25.0	50.0	X, J
121-14-2	2,4-Dinitrotoluene	48.96	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	49.23	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	73.26	1.25	2.50	5.00	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Matrix: Laboratory ID: 1H01006-MSD2 File ID: 0725101S.D

Sampled: Prepared: Analyzed: 08/14/11 05:39

Solids: Preparation: EXT_3510 Dilution:

Batch: 1H01006 Sequence: 1H22707 Calibration: 1122001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	42.10	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	74.66	1.25	2.50	5.00	X
206-44-0	Fluoranthene	42.81	1.25	2.50	5.00	
86-73-7	Fluorene	44.28	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	42.31	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	21.26	1.25	2.50	5.00	Y
77-47-4	Hexachlorocyclopentadiene	21.69	1.25	2.50	5.00	
67-72-1	Hexachloroethane	17.75	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	53.22	1.25	2.50	5.00	
78-59-1	Isophorone	39.99	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	39.26	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	39.10	1.25	2.50	5.00	
95-48-7	2-Methylphenol	28.87	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	26.22	1.25	2.50	5.00	X
100-01-6	4-Nitroaniline	46.60	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	40.42	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	41.74	5.00	10.0	20.0	
98-95-3	Nitrobenzene	37.96	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	9.584	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	45.02	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	43.43	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	42.63	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	49.67	5.00	10.0	20.0	
85-01-8	Phenanthrene	48.24	1.25	2.50	5.00	
108-95-2	Phenol	10.83	1.25	2.50	5.00	
129-00-0	Pyrene	60.18	1.25	2.50	5.00	X
88-06-2	2,4,6-Trichlorophenol	41.20	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	40.40	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.34	78.7	50 - 110	
2-Fluorophenol	100.0	39.89	39.9	20 - 110	
Nitrobenzene-d5	50.00	39.13	78.3	40 - 110	
Phenol-d6	100.0	22.21	22.2	0 - 110	
Terphenyl-d14	50.00	63.91	128	50 - 135	X
2,4,6-Tribromophenol	100.0	90.11	90.1	40 - 125	

HOLDING TIME SUMMARY

SW8270C

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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
GW0207	07/25/11 14:37	07/26/11 09:00	07/28/11 15:00	2.97	7.00	08/03/11 14:39	5.99	40.00	
GW0242	07/25/11 11:00	07/26/11 09:00	07/28/11 15:00	3.13	7.00	08/03/11 15:12	6.01	40.00	
GW0174	07/26/11 12:56	07/27/11 09:00	07/28/11 15:00	2.04	7.00	08/03/11 22:19	6.30	40.00	
GW0175	07/26/11 10:27	07/27/11 09:00	07/28/11 15:00	2.15	7.00	08/14/11 06:19	16.64	40.00	
GW0239	07/26/11 12:23	07/27/11 09:00	07/28/11 15:00	2.07	7.00	08/14/11 09:26	16.77	40.00	
GW0170	07/27/11 12:46	07/28/11 09:00	07/29/11 12:47	1.96	7.00	08/01/11 20:11	3.31	40.00	
GW0171	07/27/11 12:46	07/28/11 09:00	07/29/11 12:47	1.96	7.00	08/01/11 20:44	3.33	40.00	
GW0237	07/27/11 16:12	07/28/11 09:00	07/29/11 12:47	1.82	7.00	08/01/11 21:19	3.36	40.00	
GW0238	07/27/11 16:12	07/28/11 09:00	07/29/11 12:47	1.82	7.00	08/01/11 21:52	3.38	40.00	
GW0145	07/28/11 13:56	07/29/11 09:00	08/03/11 14:03	6.00	7.00	08/10/11 12:29	6.93	40.00	
GW0143	07/29/11 13:58	07/30/11 11:00	08/03/11 14:03	4.96	7.00	08/10/11 13:12	6.96	40.00	
GW0150	07/29/11 14:40	07/30/11 11:00	08/03/11 14:03	4.93	7.00	08/10/11 13:55	6.99	40.00	
GW0233	07/29/11 10:37	07/30/11 11:00	08/03/11 14:03	5.10	7.00	08/10/11 14:37	7.02	40.00	
GW0241	07/29/11 11:37	07/30/11 11:00	08/03/11 14:03	5.06	7.00	08/14/11 11:28	10.89	40.00	

SW8015B (GRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21403	Instrument:	GL-GCVOA2
Calibration:	1214002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H21403-CAL1	003F0301.D	07/29/11 13:22
Cal Standard	1H21403-CAL2	004F0401.D	07/29/11 14:02
Cal Standard	1H21403-CAL3	005F0501.D	07/29/11 14:43
Cal Standard	1H21403-CAL4	006F0601.D	07/29/11 15:24
Cal Standard	1H21403-CAL5	007F0701.D	07/29/11 16:05
Cal Standard	1H21403-CAL6	008F0801.D	07/29/11 16:45
Initial Cal Check	1H21403-ICV1	009F0901.D	07/29/11 17:26

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21404	Instrument:	GL-GCVOA2
Calibration:	1214002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H21404-CCV1	010F1001.D	07/29/11 18:07
LCS	1G26012-BS1	011F1101.D	07/29/11 18:48
LCS Dup	1G26012-BSD1	012F1201.D	07/29/11 19:28
Blank	1G26012-BLK1	013F1301.D	07/29/11 20:08
Calibration Check	1H21404-CCV2	024F2401.D	07/30/11 03:36
GW0207	1107209-01	027F2701.D	07/30/11 05:34
GW0242	1107209-03	028F2801.D	07/30/11 06:13
GW0174	1107224-01	029F2901.D	07/30/11 06:52
GW0175	1107224-03	030F3001.D	07/30/11 07:31
GW0239	1107224-05	031F3101.D	07/30/11 08:10
Calibration Check	1H21404-CCV3	032F3201.D	07/30/11 08:49

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22010	Instrument:	GL-GCVOA2
Calibration:	1214002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22010-CCV1	003F0301.D	08/05/11 16:13
LCS	1H02020-BS1	004F0401.D	08/05/11 16:53
Blank	1H02020-BLK1	005F0501.D	08/05/11 17:32
GW0170	1107237-01	008F0801.D	08/05/11 19:31
GW0171	1107237-03	009F0901.D	08/05/11 20:10
GW0237	1107237-05	010F1001.D	08/05/11 20:50
GW0238	1107237-07	011F1101.D	08/05/11 21:30
GW0145	1107251-01	012F1201.D	08/05/11 22:09
GW0145	1H02020-MS1	016F1601.D	08/06/11 00:52
GW0145	1H02020-MSD1	017F1701.D	08/06/11 01:33
Calibration Check	1H22010-CCV2	018F1801.D	08/06/11 02:13

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22404	Instrument:	GL-GCVOA2
Calibration:	1214002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22404-CCV1	003F0301.D	08/10/11 15:21
LCS	1H08009-BS1	004F0401.D	08/10/11 16:02
LCS Dup	1H08009-BSD1	005F0501.D	08/10/11 16:42
Blank	1H08009-BLK1	006F0601.D	08/10/11 17:23
GW0143	1108004-01	010F1001.D	08/10/11 20:03
GW0150	1108004-03	011F1101.D	08/10/11 20:43
GW0233	1108004-05	012F1201.D	08/10/11 21:22
GW0241	1108004-07	013F1301.D	08/10/11 22:02
Calibration Check	1H22404-CCV2	017F1701.D	08/11/11 00:47

ANALYSIS DATA SHEET

GW0207

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-01	File ID:	027F2701.D
Sampled:	07/25/11 14:37	Prepared:	07/29/11 12:29	Analyzed:	07/30/11 05:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1G26012 Sequence: 1H21404 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06772	135	50 - 150	X

ANALYSIS DATA SHEET

GW0242

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-03	File ID:	028F2801.D
Sampled:	07/25/11 11:00	Prepared:	07/29/11 12:29	Analyzed:	07/30/11 06:13
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1G26012 Sequence: 1H21404 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07031	141	50 - 150	X

ANALYSIS DATA SHEET

GW0174

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-01	File ID:	029F2901.D
Sampled:	07/26/11 12:56	Prepared:	07/29/11 12:29	Analyzed:	07/30/11 06:52
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1G26012 Sequence: 1H21404 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06740	135	50 - 150	X

ANALYSIS DATA SHEET

GW0175

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-03	File ID:	030F3001.D
Sampled:	07/26/11 10:27	Prepared:	07/29/11 12:29	Analyzed:	07/30/11 07:31
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1G26012 Sequence: 1H21404 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06720	134	50 - 150	X

ANALYSIS DATA SHEET

GW0239

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-05	File ID:	031F3101.D
Sampled:	07/26/11 12:23	Prepared:	07/29/11 12:29	Analyzed:	07/30/11 08:10
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1G26012 Sequence: 1H21404 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06851	137	50 - 150	X

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-01	File ID:	008F0801.D
Sampled:	07/27/11 12:46	Prepared:	08/05/11 12:47	Analyzed:	08/05/11 19:31
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H02020 Sequence: 1H22010 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.224	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1024	205	50 - 150	*X

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-03	File ID:	009F0901.D
Sampled:	07/27/11 12:46	Prepared:	08/05/11 12:47	Analyzed:	08/05/11 20:10
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H02020 Sequence: 1H22010 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.205	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.09997	200	50 - 150	*X

ANALYSIS DATA SHEET

GW0237

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-05	File ID:	010F1001.D
Sampled:	07/27/11 16:12	Prepared:	08/05/11 12:47	Analyzed:	08/05/11 20:50
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H02020 Sequence: 1H22010 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.09915	198	50 - 150	*X

ANALYSIS DATA SHEET

GW0238

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-07	File ID:	011F1101.D
Sampled:	07/27/11 16:12	Prepared:	08/05/11 12:47	Analyzed:	08/05/11 21:30
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H02020 Sequence: 1H22010 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.09960	199	50 - 150	*X

ANALYSIS DATA SHEET

GW0145

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-01	File ID:	012F1201.D
Sampled:	07/28/11 13:56	Prepared:	08/05/11 12:47	Analyzed:	08/05/11 22:09
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H02020 Sequence: 1H22010 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.09552	191	50 - 150	*X

ANALYSIS DATA SHEET

GW0143

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-01	File ID:	010F1001.D
Sampled:	07/29/11 13:58	Prepared:	08/10/11 16:00	Analyzed:	08/10/11 20:03
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1076	215	50 - 150	*X

ANALYSIS DATA SHEET

GW0150

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-03	File ID:	011F1101.D
Sampled:	07/29/11 14:40	Prepared:	08/10/11 16:00	Analyzed:	08/10/11 20:43
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1066	213	50 - 150	*X

ANALYSIS DATA SHEET

GW0233

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-05	File ID:	012F1201.D
Sampled:	07/29/11 10:37	Prepared:	08/10/11 16:00	Analyzed:	08/10/11 21:22
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1099	220	50 - 150	*X

ANALYSIS DATA SHEET

GW0241

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-07	File ID:	013F1301.D
Sampled:	07/29/11 11:37	Prepared:	08/10/11 16:00	Analyzed:	08/10/11 22:02
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 1H08009 Sequence: 1H22404 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1102	220	50 - 150	*X

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G26012	Laboratory ID:	1G26012-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	0.5490	110	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.5522	110	0.583	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H02020	Laboratory ID:	1H02020-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	0.7286	146	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H08009	Laboratory ID:	1H08009-BS1
Preparation:	8015GRO	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	**0.5000**	**0.8263**	**165**	**50 - 150**

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	**0.5000**	**0.8329**	**167 ***	**0.804**	**50**	**50 - 150**

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H02020

% Solids:

Source Sample Name: **1107251-01**

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	0.7433	149		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	0.7306	146	1.72		50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G26012 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	07/29/11 12:29	5.00	5.00
GW0242	1107209-03	07/29/11 12:29	5.00	5.00
GW0174	1107224-01	07/29/11 12:29	5.00	5.00
GW0175	1107224-03	07/29/11 12:29	5.00	5.00
GW0239	1107224-05	07/29/11 12:29	5.00	5.00
Blank	1G26012-BLK1	07/29/11 12:29	5.00	5.00
LCS	1G26012-BS1	07/29/11 12:29	5.00	5.00
LCS Dup	1G26012-BSD1	07/29/11 12:29	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H02020 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0170	1107237-01	08/05/11 12:47	5.00	5.00
GW0171	1107237-03	08/05/11 12:47	5.00	5.00
GW0237	1107237-05	08/05/11 12:47	5.00	5.00
GW0238	1107237-07	08/05/11 12:47	5.00	5.00
GW0145	1107251-01	08/05/11 12:47	5.00	5.00
Blank	1H02020-BLK1	08/05/11 12:47	5.00	5.00
LCS	1H02020-BS1	08/05/11 12:47	5.00	5.00
GW0145	1H02020-MS1	08/05/11 12:47	5.00	5.00
GW0145	1H02020-MSD1	08/05/11 12:47	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H08009 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0143	1108004-01	08/10/11 16:00	5.00	5.00
GW0150	1108004-03	08/10/11 16:00	5.00	5.00
GW0233	1108004-05	08/10/11 16:00	5.00	5.00
GW0241	1108004-07	08/10/11 16:00	5.00	5.00
Blank	1H08009-BLK1	08/10/11 16:00	5.00	5.00
LCS	1H08009-BS1	08/10/11 16:00	5.00	5.00
LCS Dup	1H08009-BSD1	08/10/11 16:00	5.00	5.00

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21403	Instrument:	GL-GCVOA2
Calibration:	1214002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11H0021	GRO Cal 0.1ppm	1H21403-CAL1	003F0301.D	07/29/11 13:22
11H0022	GRO Cal 0.2ppm	1H21403-CAL2	004F0401.D	07/29/11 14:02
11H0023	GRO Cal 0.5ppm	1H21403-CAL3	005F0501.D	07/29/11 14:43
11H0024	GRO Cal 1.0ppm	1H21403-CAL4	006F0601.D	07/29/11 15:24
11H0025	GRO Cal 2.0ppm	1H21403-CAL5	007F0701.D	07/29/11 16:05
11H0026	GRO Cal 5.0ppm	1H21403-CAL6	008F0801.D	07/29/11 16:45

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1214002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/29/11 13:22	7/29/11 16:45

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Gasoline Range Organics (C6-C10	0.1	1269000	0.2	1011490	0.5	1022668	1	906389	2	828872.5	5	878216.6
Bromofluorobenzene	0.01	608000	0.02	563450	0.05	567580	0.1	468580	0.2	546655	0.5	531680

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1214002	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/29/11 13:22	7/29/11 16:45

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	986106	16.01668	8.109	1.947182E-02			20	
Bromofluorobenzene	547657.5	8.485135	20.20133	8.825558E-03			20	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	009F0901.D	Calibration Date:	07/29/11 13:22
Sequence:	1H21403	Injection Date:	07/29/11
Lab Sample ID:	1H21403-ICV1	Injection Time:	17:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.5165	986106	1018658		3.3	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	010F1001.D	Calibration Date:	07/29/11 13:22
Sequence:	1H21404	Injection Date:	07/29/11
Lab Sample ID:	1H21404-CCV1	Injection Time:	18:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4680	986106	923056		-6.4	20
Bromofluorobenzene	A	0.05000	0.07259	547657.5	795140		45.2	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	024F2401.D	Calibration Date:	07/29/11 13:22
Sequence:	1H21404	Injection Date:	07/30/11
Lab Sample ID:	1H21404-CCV2	Injection Time:	03:36

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4887	986106	963830		-2.3	20
Bromofluorobenzene	A	0.05000	0.07209	547657.5	789660		44.2	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	032F3201.D	Calibration Date:	07/29/11 13:22
Sequence:	1H21404	Injection Date:	07/30/11
Lab Sample ID:	1H21404-CCV3	Injection Time:	08:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.4900	986106	966298		-2.0	20
Bromofluorobenzene	A	0.05000	0.07685	547657.5	841800		53.7	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	003F0301.D	Calibration Date:	07/29/11 13:22
Sequence:	1H22010	Injection Date:	08/05/11
Lab Sample ID:	1H22010-CCV1	Injection Time:	16:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.6650	986106	1311496		33.0	20 *
Bromofluorobenzene	A	0.05000	0.1048	547657.5	1147380		110	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	018F1801.D	Calibration Date:	07/29/11 13:22
Sequence:	1H22010	Injection Date:	08/06/11
Lab Sample ID:	1H22010-CCV2	Injection Time:	02:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.6400	986106	1262180		28.0	20 *
Bromofluorobenzene	A	0.05000	0.1056	547657.5	1156560		111	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	003F0301.D	Calibration Date:	07/29/11 13:22
Sequence:	1H22404	Injection Date:	08/10/11
Lab Sample ID:	1H22404-CCV1	Injection Time:	15:21

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.7274	986106	1434688		45.5	20 *
Bromofluorobenzene	A	0.05000	0.1114	547657.5	1220200		123	20 *

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	1214002
Lab File ID:	017F1701.D	Calibration Date:	07/29/11 13:22
Sequence:	1H22404	Injection Date:	08/11/11
Lab Sample ID:	1H22404-CCV2	Injection Time:	00:47

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	A	0.5000	0.7116	986106	1403360		42.3	20 *
Bromofluorobenzene	A	0.05000	0.1099	547657.5	1203680		120	20 *

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

* Values outside of QC limits

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21404	Instrument:	GL-GCVOA2
		Calibration:	1214002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H21404-CCV1) ug/mL				Lab File ID: 010F1001.D		Analyzed: 07/29/11 18:07		
Bromofluorobenzene	0.05000	145	80 - 120	20.2	20.2	0.0000	+/-0.210	*
LCS (1G26012-BS1) mg/L				Lab File ID: 011F1101.D		Analyzed: 07/29/11 18:48		
Bromofluorobenzene	0.05000	145	50 - 150	20.203	20.2	0.0030	+/-0.210	
LCS Dup (1G26012-BSD1) mg/L				Lab File ID: 012F1201.D		Analyzed: 07/29/11 19:28		
Bromofluorobenzene	0.05000	148	50 - 150	20.206	20.2	0.0060	+/-0.210	
Blank (1G26012-BLK1) mg/L				Lab File ID: 013F1301.D		Analyzed: 07/29/11 20:08		
Bromofluorobenzene	0.05000	140	50 - 150	20.21	20.2	0.0100	+/-0.210	
Calibration Check (1H21404-CCV2) ug/mL				Lab File ID: 024F2401.D		Analyzed: 07/30/11 03:36		
Bromofluorobenzene	0.05000	144	80 - 120	20.213	20.2	0.0130	+/-0.210	*
GW0207 (1107209-01) mg/L				Lab File ID: 027F2701.D		Analyzed: 07/30/11 05:34		
Bromofluorobenzene	0.05000	135	50 - 150	20.226	20.2	0.0260	+/-0.210	
GW0242 (1107209-03) mg/L				Lab File ID: 028F2801.D		Analyzed: 07/30/11 06:13		
Bromofluorobenzene	0.05000	141	50 - 150	20.23	20.2	0.0300	+/-0.210	
GW0174 (1107224-01) mg/L				Lab File ID: 029F2901.D		Analyzed: 07/30/11 06:52		
Bromofluorobenzene	0.05000	135	50 - 150	20.23	20.2	0.0300	+/-0.210	
GW0175 (1107224-03) mg/L				Lab File ID: 030F3001.D		Analyzed: 07/30/11 07:31		
Bromofluorobenzene	0.05000	134	50 - 150	20.23	20.2	0.0300	+/-0.210	
GW0239 (1107224-05) mg/L				Lab File ID: 031F3101.D		Analyzed: 07/30/11 08:10		
Bromofluorobenzene	0.05000	137	50 - 150	20.236	20.2	0.0360	+/-0.210	
Calibration Check (1H21404-CCV3) ug/mL				Lab File ID: 032F3201.D		Analyzed: 07/30/11 08:49		
Bromofluorobenzene	0.05000	154	80 - 120	20.25	20.2	0.0500	+/-0.210	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22010	Instrument:	GL-GCVOA2
		Calibration:	1214002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22010-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 08/05/11 16:13		
Bromofluorobenzene	0.05000	210	80 - 120	20.22	20.22	0.0000	+/-0.210	*
LCS (1H02020-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/05/11 16:53		
Bromofluorobenzene	0.05000	204	50 - 150	20.213	20.22	-0.0070	+/-0.210	*
Blank (1H02020-BLK1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/05/11 17:32		
Bromofluorobenzene	0.05000	193	50 - 150	20.213	20.22	-0.0070	+/-0.210	*
GW0170 (1107237-01) mg/L				Lab File ID: 008F0801.D		Analyzed: 08/05/11 19:31		
Bromofluorobenzene	0.05000	205	50 - 150	20.213	20.22	-0.0070	+/-0.210	*
GW0171 (1107237-03) mg/L				Lab File ID: 009F0901.D		Analyzed: 08/05/11 20:10		
Bromofluorobenzene	0.05000	200	50 - 150	20.206	20.22	-0.0140	+/-0.210	*
GW0237 (1107237-05) mg/L				Lab File ID: 010F1001.D		Analyzed: 08/05/11 20:50		
Bromofluorobenzene	0.05000	198	50 - 150	20.21	20.22	-0.0100	+/-0.210	*
GW0238 (1107237-07) mg/L				Lab File ID: 011F1101.D		Analyzed: 08/05/11 21:30		
Bromofluorobenzene	0.05000	199	50 - 150	20.21	20.22	-0.0100	+/-0.210	*
GW0145 (1107251-01) mg/L				Lab File ID: 012F1201.D		Analyzed: 08/05/11 22:09		
Bromofluorobenzene	0.05000	191	50 - 150	20.206	20.22	-0.0140	+/-0.210	*
Matrix Spike (1H02020-MS1) mg/L				Lab File ID: 016F1601.D		Analyzed: 08/06/11 00:52		
Bromofluorobenzene	0.05000	213	50 - 150	20.2	20.22	-0.0200	+/-0.210	*
Matrix Spike Dup (1H02020-MSD1) mg/L				Lab File ID: 017F1701.D		Analyzed: 08/06/11 01:33		
Bromofluorobenzene	0.05000	211	50 - 150	20.2	20.22	-0.0200	+/-0.210	*
Calibration Check (1H22010-CCV2) ug/mL				Lab File ID: 018F1801.D		Analyzed: 08/06/11 02:13		
Bromofluorobenzene	0.05000	211	80 - 120	20.2	20.22	-0.0200	+/-0.210	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22404	Instrument:	GL-GCVOA2
		Calibration:	1214002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22404-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 08/10/11 15:21		
Bromofluorobenzene	0.05000	223	80 - 120	20.206	20.206	0.0000	+/-0.210	*
LCS (1H08009-BS1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/10/11 16:02		
Bromofluorobenzene	0.05000	224	50 - 150	20.206	20.206	0.0000	+/-0.210	*
LCS Dup (1H08009-BSD1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/10/11 16:42		
Bromofluorobenzene	0.05000	221	50 - 150	20.206	20.206	0.0000	+/-0.210	*
Blank (1H08009-BLK1) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/10/11 17:23		
Bromofluorobenzene	0.05000	213	50 - 150	20.21	20.206	0.0040	+/-0.210	*
GW0143 (1108004-01) mg/L				Lab File ID: 010F1001.D		Analyzed: 08/10/11 20:03		
Bromofluorobenzene	0.05000	215	50 - 150	20.216	20.206	0.0100	+/-0.210	*
GW0150 (1108004-03) mg/L				Lab File ID: 011F1101.D		Analyzed: 08/10/11 20:43		
Bromofluorobenzene	0.05000	213	50 - 150	20.216	20.206	0.0100	+/-0.210	*
GW0233 (1108004-05) mg/L				Lab File ID: 012F1201.D		Analyzed: 08/10/11 21:22		
Bromofluorobenzene	0.05000	220	50 - 150	20.216	20.206	0.0100	+/-0.210	*
GW0241 (1108004-07) mg/L				Lab File ID: 013F1301.D		Analyzed: 08/10/11 22:02		
Bromofluorobenzene	0.05000	220	50 - 150	20.22	20.206	0.0140	+/-0.210	*
Calibration Check (1H22404-CCV2) ug/mL				Lab File ID: 017F1701.D		Analyzed: 08/11/11 00:47		
Bromofluorobenzene	0.05000	220	80 - 120	20.206	20.206	0.0000	+/-0.210	*

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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
GW0207	07/25/11 14:37	07/26/11 09:00	07/29/11 12:29	N/A	14.00	07/30/11 05:34	4.58	14.00	
GW0242	07/25/11 11:00	07/26/11 09:00	07/29/11 12:29	N/A	14.00	07/30/11 06:13	4.76	14.00	
GW0174	07/26/11 12:56	07/27/11 09:00	07/29/11 12:29	N/A	14.00	07/30/11 06:52	3.71	14.00	
GW0175	07/26/11 10:27	07/27/11 09:00	07/29/11 12:29	N/A	14.00	07/30/11 07:31	3.84	14.00	
GW0239	07/26/11 12:23	07/27/11 09:00	07/29/11 12:29	N/A	14.00	07/30/11 08:10	3.78	14.00	
GW0170	07/27/11 12:46	07/28/11 09:00	08/05/11 12:47	N/A	14.00	08/05/11 19:31	9.24	14.00	
GW0171	07/27/11 12:46	07/28/11 09:00	08/05/11 12:47	N/A	14.00	08/05/11 20:10	9.27	14.00	
GW0237	07/27/11 16:12	07/28/11 09:00	08/05/11 12:47	N/A	14.00	08/05/11 20:50	9.15	14.00	
GW0238	07/27/11 16:12	07/28/11 09:00	08/05/11 12:47	N/A	14.00	08/05/11 21:30	9.18	14.00	
GW0145	07/28/11 13:56	07/29/11 09:00	08/05/11 12:47	N/A	14.00	08/05/11 22:09	8.34	14.00	
GW0143	07/29/11 13:58	07/30/11 11:00	08/10/11 16:00	N/A	14.00	08/10/11 20:03	12.21	14.00	
GW0150	07/29/11 14:40	07/30/11 11:00	08/10/11 16:00	N/A	14.00	08/10/11 20:43	12.21	14.00	
GW0233	07/29/11 10:37	07/30/11 11:00	08/10/11 16:00	N/A	14.00	08/10/11 21:22	12.41	14.00	
GW0241	07/29/11 11:37	07/30/11 11:00	08/10/11 16:00	N/A	14.00	08/10/11 22:02	12.39	14.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1G26012-BLK1	File ID:	013F1301.D
Sampled:		Prepared:		Analyzed:	07/29/11 20:08
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1G26012	Sequence:	1H21404	Calibration:	1214002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.06999	140	50 - 150	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1G26012-BS1	File ID:	011F1101.D
Sampled:		Prepared:		Analyzed:	07/29/11 18:48
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1G26012	Sequence:	1H21404	Calibration:	1214002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5490	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07234	145	50 - 150	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1G26012-BSD1	File ID:	012F1201.D
Sampled:		Prepared:		Analyzed:	07/29/11 19:28
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1G26012	Sequence:	1H21404	Calibration:	1214002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.5522	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.07397	148	50 - 150	X

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1H02020-BLK1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/05/11 17:32
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 1H02020 Sequence: 1H22010 Calibration: 1214002 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.09657	193	50 - 150	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H02020-BS1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	08/05/11 16:53
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1H02020	Sequence:	1H22010	Calibration:	1214002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.7286	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1020	204	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H02020-MS1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	08/06/11 00:52
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1H02020	Sequence:	1H22010	Calibration:	1214002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.7433	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1067	213	50 - 150	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1H02020-MSD1
File ID: 017F1701.D
Sampled:
Prepared:
Analyzed: 08/06/11 01:33
Solids:
Preparation: 8015GRO
Dilution:
Batch: 1H02020
Sequence: 1H22010
Calibration: 1214002
Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.7306	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1053	211	50 - 150	X

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1H08009-BLK1
File ID: 006F0601.D
Sampled:
Prepared:
Analyzed: 08/10/11 17:23
Solids:
Preparation: 8015GRO
Dilution:
Batch: 1H08009
Sequence: 1H22404
Calibration: 1214002
Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	Q, X, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1067	213	50 - 150	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1H08009-BS1
File ID: 004F0401.D
Sampled:
Prepared:
Analyzed: 08/10/11 16:02
Solids:
Preparation: 8015GRO
Dilution:
Batch: 1H08009
Sequence: 1H22404
Calibration: 1214002
Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.8263	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1122	224	50 - 150	X

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H08009-BSD1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/10/11 16:42
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	1H08009	Sequence:	1H22404	Calibration:	1214002	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	0.8329	0.0500	0.100	0.150	X

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.1105	221	50 - 150	X

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: GL-GCVOA2

Analyte	MDL	MRL	Units	Method
Gasoline Range Organics (C6-C10)	0.0500	0.150	mg/L	SW8015B GRO

SW8015B (DRO)
Forms

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21510	Instrument:	GL-GCFID2
Calibration:	1215003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H21510-CAL6	003F0301.D	08/01/11 15:40
Cal Standard	1H21510-CAL5	004F0401.D	08/01/11 16:14
Cal Standard	1H21510-CAL4	005F0501.D	08/01/11 16:49
Cal Standard	1H21510-CAL3	006F0601.D	08/01/11 17:23
Cal Standard	1H21510-CAL2	007F0701.D	08/01/11 17:57
Cal Standard	1H21510-CAL1	008F0801.D	08/01/11 18:31
Initial Cal Check	1H21510-ICV1	009F0901.D	08/01/11 19:05

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22704	Instrument:	GL-GCFID2
Calibration:	1215003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22704-CCV1	003F0301.D	08/11/11 15:03
Calibration Check	1H22704-CCV2	014F1401.D	08/11/11 20:10
Blank	1H02006-BLK1	022F2201.D	08/11/11 23:52
LCS	1H02006-BS1	023F2301.D	08/12/11 00:20
LCS Dup	1H02006-BSD1	024F2401.D	08/12/11 00:48
Calibration Check	1H22704-CCV3	025F2501.D	08/12/11 01:15
GW0143	1108004-01	026F2601.D	08/12/11 01:43
GW0150	1108004-03	027F2701.D	08/12/11 02:11
GW0233	1108004-05	028F2801.D	08/12/11 02:39
GW0241	1108004-07	029F2901.D	08/12/11 03:07
Calibration Check	1H22704-CCV4	036F3601.D	08/12/11 06:19
Blank	1G29008-BLK1	042F4201.D	08/12/11 09:05
LCS	1G29008-BS1	043F4301.D	08/12/11 09:33
GW0170	1107237-01	044F4401.D	08/12/11 10:01
GW0171	1107237-03	045F4501.D	08/12/11 10:28
GW0237	1107237-05	046F4601.D	08/12/11 10:56
Calibration Check	1H22704-CCV5	047F4701.D	08/12/11 11:24
GW0238	1107237-07	048F4801.D	08/12/11 11:52
GW0145	1107251-01	049F4901.D	08/12/11 12:20
GW0145	1G29008-MS1	050F5001.D	08/12/11 12:48
GW0145	1G29008-MSD1	051F5101.D	08/12/11 13:15
Calibration Check	1H22704-CCV6	052F5201.D	08/12/11 13:44

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22812	Instrument:	GL-GCFID2
Calibration:	1215003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22812-CCV1	003F0301.D	08/15/11 07:53
Blank	1G26006-BLK1	004F0401.D	08/15/11 08:21
LCS	1G26006-BS1	005F0501.D	08/15/11 08:49
LCS Dup	1G26006-BSD1	006F0601.D	08/15/11 09:17
Calibration Check	1H22812-CCV2	014F1401.D	08/15/11 12:58
GW0207	1107209-01	018F1801.D	08/15/11 14:49
GW0242	1107209-03	019F1901.D	08/15/11 15:17
GW0174	1107224-01	020F2001.D	08/15/11 15:45
GW0175	1107224-03	021F2101.D	08/15/11 16:13
GW0239	1107224-05	022F2201.D	08/15/11 16:40
Calibration Check	1H22812-CCV3	023F2301.D	08/15/11 17:08

ANALYSIS DATA SHEET

GW0207

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-01	File ID:	018F1801.D
Sampled:	07/25/11 14:37	Prepared:	07/27/11 12:45	Analyzed:	08/15/11 14:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G26006 Sequence: 1H22812 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01214	63.1	30 - 140	

ANALYSIS DATA SHEET

GW0242

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-03	File ID:	019F1901.D
Sampled:	07/25/11 11:00	Prepared:	07/27/11 12:45	Analyzed:	08/15/11 15:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G26006 Sequence: 1H22812 Calibration: 1215003 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	0.008452	44.8	30 - 140	

ANALYSIS DATA SHEET

GW0174

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-01	File ID:	020F2001.D
Sampled:	07/26/11 12:56	Prepared:	07/28/11 12:40	Analyzed:	08/15/11 15:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G26006 Sequence: 1H22812 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01036	53.9	30 - 140	

ANALYSIS DATA SHEET

GW0175

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-03	File ID:	021F2101.D
Sampled:	07/26/11 10:27	Prepared:	07/28/11 11:35	Analyzed:	08/15/11 16:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G26006 Sequence: 1H22812 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01194	59.7	30 - 140	

ANALYSIS DATA SHEET

GW0239

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-05	File ID:	022F2201.D
Sampled:	07/26/11 12:23	Prepared:	07/28/11 11:35	Analyzed:	08/15/11 16:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G26006 Sequence: 1H22812 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01212	60.6	30 - 140	

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-01	File ID:	044F4401.D
Sampled:	07/27/11 12:46	Prepared:	08/01/11 14:09	Analyzed:	08/12/11 10:01
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29008 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.118	0.111	0.111	0.111	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01115	50.2	30 - 140	

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-03	File ID:	045F4501.D
Sampled:	07/27/11 12:46	Prepared:	08/01/11 14:09	Analyzed:	08/12/11 10:28
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29008 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.127	0.111	0.111	0.111	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01084	48.8	30 - 140	

ANALYSIS DATA SHEET

GW0237

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-05	File ID:	046F4601.D
Sampled:	07/27/11 16:12	Prepared:	08/01/11 14:09	Analyzed:	08/12/11 10:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29008 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.008182	40.9	30 - 140	

ANALYSIS DATA SHEET

GW0238

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-07	File ID:	048F4801.D
Sampled:	07/27/11 16:12	Prepared:	08/01/11 14:09	Analyzed:	08/12/11 11:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29008 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.111	0.111	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01005	45.2	30 - 140	

ANALYSIS DATA SHEET

GW0145

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-01	File ID:	049F4901.D
Sampled:	07/28/11 13:56	Prepared:	08/01/11 14:09	Analyzed:	08/12/11 12:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1G29008 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	N, U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.009099	45.5	30 - 140	

ANALYSIS DATA SHEET

GW0143

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-01	File ID:	026F2601.D
Sampled:	07/29/11 13:58	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 01:43
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01261	63.1	30 - 140	

ANALYSIS DATA SHEET

GW0150

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-03	File ID:	027F2701.D
Sampled:	07/29/11 14:40	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 02:11
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01265	64.5	30 - 140	

ANALYSIS DATA SHEET

GW0233

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-05	File ID:	028F2801.D
Sampled:	07/29/11 10:37	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 02:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0980	0.0980	0.0980	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01101	56.1	30 - 140	

ANALYSIS DATA SHEET

GW0241

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-07	File ID:	029F2901.D
Sampled:	07/29/11 11:37	Prepared:	08/04/11 11:47	Analyzed:	08/12/11 03:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 1H02006 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.0962	0.0962	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.01153	59.9	30 - 140	

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G26006	Laboratory ID:	1G26006-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	0.5000	50.0	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Diesel Range Organics (C10-C28)	1.000	0.5099	51.0	1.95	50	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G29008	Laboratory ID:	1G29008-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	0.6864	68.6	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H02006	Laboratory ID:	1H02006-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.5309	53.1	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS	
					RPD	REC.
Diesel Range Organics (C10-C28)	1.000	0.5096	51.0	4.09	50	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1G29008

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	0.9804	ND	0.5416	55.2		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.3587	35.9	40.6	*	50	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G26006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	07/27/11 12:45	1,040.00	1.00
GW0242	1107209-03	07/27/11 12:45	1,060.00	1.00
GW0174	1107224-01	07/28/11 12:40	1,040.00	1.00
GW0175	1107224-03	07/28/11 11:35	1,000.00	1.00
GW0239	1107224-05	07/28/11 11:35	1,000.00	1.00
Blank	1G26006-BLK1	07/27/11 12:45	1,000.00	1.00
LCS	1G26006-BS1	07/27/11 12:45	1,000.00	1.00
LCS Dup	1G26006-BSD1	07/27/11 12:45	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G29008 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0170	1107237-01	08/01/11 14:09	900.00	1.00
GW0171	1107237-03	08/01/11 14:09	900.00	1.00
GW0237	1107237-05	08/01/11 14:09	1,000.00	1.00
GW0238	1107237-07	08/01/11 14:09	900.00	1.00
GW0145	1107251-01	08/01/11 14:09	1,000.00	1.00
Blank	1G29008-BLK1	08/01/11 14:09	1,000.00	1.00
LCS	1G29008-BS1	08/01/11 14:09	1,000.00	1.00
GW0145	1G29008-MS1	08/01/11 14:09	1,020.00	1.00
GW0145	1G29008-MSD1	08/01/11 14:09	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H02006 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0143	1108004-01	08/04/11 11:47	1,000.00	1.00
GW0150	1108004-03	08/04/11 11:47	1,020.00	1.00
GW0233	1108004-05	08/04/11 11:47	1,020.00	1.00
GW0241	1108004-07	08/04/11 11:47	1,040.00	1.00
Blank	1H02006-BLK1	08/04/11 11:47	1,000.00	1.00
LCS	1H02006-BS1	08/04/11 11:47	1,000.00	1.00
LCS Dup	1H02006-BSD1	08/04/11 11:47	1,000.00	1.00

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21510	Instrument:	GL-GCFID2
Calibration:	1215003		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11G0729	DRO ICAL6@100ppm	1H21510-CAL6	003F0301.D	08/01/11 15:40
11G0728	DRO ICAL5@250ppm	1H21510-CAL5	004F0401.D	08/01/11 16:14
11G0727	DRO ICAL4@500ppm	1H21510-CAL4	005F0501.D	08/01/11 16:49
11G0726	DRO ICAL3@1000ppm	1H21510-CAL3	006F0601.D	08/01/11 17:23
11G0725	DRO ICAL2@2500ppm	1H21510-CAL2	007F0701.D	08/01/11 17:57
11G0724	DRO ICAL1@5000ppm	1H21510-CAL1	008F0801.D	08/01/11 18:31

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1215003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	8/1/11_15:40	8/1/11_18:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	5000	2274.896	2500	2507.639	1000	2530.785	500	2655.026	250	2640.648	100	2519.53
Diesel Range Organics (C8-C40)	5000		2500		1000		500		250		100	
o-Terphenyl	250	3079.06	125	3198.432	50	3080.72	25	3554.52	12.5	3522.88	5	3433.2
Diesel Range Organics (C8-C28)	5000		2500		1000		500		250		100	
Diesel Range Organics (C8-C34)	5000		2500		1000		500		250		100	

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1215003	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	8/1/11 15:40	8/1/11 18:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	2521.421	5.412449	4.293	2.029058E-02			20	
Diesel Range Organics (C8-C40)							20	
o-Terphenyl	3311.469	6.597064	7.975667	0.1597152			20	
Diesel Range Organics (C8-C28)							20	
Diesel Range Organics (C8-C34)							20	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	009F0901.D	Calibration Date:	08/03/11 16:40
Sequence:	1H21510	Injection Date:	08/01/11
Lab Sample ID:	1H21510-ICV1	Injection Time:	19:05

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	500.0	556.9	2521.421	2808.408		11.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	003F0301.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/11/11
Lab Sample ID:	1H22704-CCV1	Injection Time:	15:03

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	933.7	2521.421	2354.129		-6.6	20
o-Terphenyl	A	50.00	40.01	3311.469	2649.98		-20.0	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	014F1401.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/11/11
Lab Sample ID:	1H22704-CCV2	Injection Time:	20:10

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	982.4	2521.421	2477.132		-1.8	20
o-Terphenyl	A	50.00	41.12	3311.469	2723.2		-17.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	025F2501.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/12/11
Lab Sample ID:	1H22704-CCV3	Injection Time:	01:15

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	989.5	2521.421	2494.927		-1.1	20
o-Terphenyl	A	50.00	40.40	3311.469	2675.84		-19.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	036F3601.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/12/11
Lab Sample ID:	1H22704-CCV4	Injection Time:	06:19

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	998.4	2521.421	2517.405		-0.2	20
o-Terphenyl	A	50.00	40.22	3311.469	2663.42		-19.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	047F4701.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/12/11
Lab Sample ID:	1H22704-CCV5	Injection Time:	11:24

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1031	2521.421	2600.416		3.1	20
o-Terphenyl	A	50.00	41.90	3311.469	2774.78		-16.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	052F5201.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22704	Injection Date:	08/12/11
Lab Sample ID:	1H22704-CCV6	Injection Time:	13:44

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1015	2521.421	2560.015		1.5	20
o-Terphenyl	A	50.00	40.31	3311.469	2669.84		-19.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	003F0301.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22812	Injection Date:	08/15/11
Lab Sample ID:	1H22812-CCV1	Injection Time:	07:53

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	988.6	2521.421	2492.69		-1.1	20
o-Terphenyl	A	50.00	40.80	3311.469	2701.92		-18.4	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	014F1401.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22812	Injection Date:	08/15/11
Lab Sample ID:	1H22812-CCV2	Injection Time:	12:58

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1010	2521.421	2547.605		1.0	20
o-Terphenyl	A	50.00	43.90	3311.469	2907.32		-12.2	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	1215003
Lab File ID:	023F2301.D	Calibration Date:	08/03/11 16:40
Sequence:	1H22812	Injection Date:	08/15/11
Lab Sample ID:	1H22812-CCV3	Injection Time:	17:08

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	A	1000	1015	2521.421	2559.023		1.5	20
o-Terphenyl	A	50.00	42.36	3311.469	2805.66		-15.3	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22704	Instrument:	GL-GCFID2
		Calibration:	1215003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22704-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 08/11/11 15:03		
o-Terphenyl	50.00	80.0	80 - 120	7.97	7.97	0.0000	+/-0.050	
Calibration Check (1H22704-CCV2) mg/L				Lab File ID: 014F1401.D		Analyzed: 08/11/11 20:10		
o-Terphenyl	50.00	82.2	80 - 120	7.95	7.97	-0.0200	+/-0.050	
Blank (1H02006-BLK1) mg/L				Lab File ID: 022F2201.D		Analyzed: 08/11/11 23:52		
o-Terphenyl	0.02000	61.2	30 - 140	7.953	7.97	-0.0170	+/-0.050	
LCS (1H02006-BS1) mg/L				Lab File ID: 023F2301.D		Analyzed: 08/12/11 00:20		
o-Terphenyl	0.02000	54.0	30 - 140	7.943	7.97	-0.0270	+/-0.050	
LCS Dup (1H02006-BSD1) mg/L				Lab File ID: 024F2401.D		Analyzed: 08/12/11 00:48		
o-Terphenyl	0.02000	53.8	30 - 140	7.94	7.97	-0.0300	+/-0.050	
Calibration Check (1H22704-CCV3) mg/L				Lab File ID: 025F2501.D		Analyzed: 08/12/11 01:15		
o-Terphenyl	50.00	80.8	80 - 120	7.94	7.97	-0.0300	+/-0.050	
GW0143 (1108004-01) mg/L				Lab File ID: 026F2601.D		Analyzed: 08/12/11 01:43		
o-Terphenyl	0.02000	63.1	30 - 140	7.946	7.97	-0.0240	+/-0.050	
GW0150 (1108004-03) mg/L				Lab File ID: 027F2701.D		Analyzed: 08/12/11 02:11		
o-Terphenyl	0.01961	64.5	30 - 140	7.946	7.97	-0.0240	+/-0.050	
GW0233 (1108004-05) mg/L				Lab File ID: 028F2801.D		Analyzed: 08/12/11 02:39		
o-Terphenyl	0.01961	56.1	30 - 140	7.95	7.97	-0.0200	+/-0.050	
GW0241 (1108004-07) mg/L				Lab File ID: 029F2901.D		Analyzed: 08/12/11 03:07		
o-Terphenyl	0.01923	59.9	30 - 140	7.95	7.97	-0.0200	+/-0.050	
Calibration Check (1H22704-CCV4) mg/L				Lab File ID: 036F3601.D		Analyzed: 08/12/11 06:19		
o-Terphenyl	50.00	80.4	80 - 120	7.943	7.97	-0.0270	+/-0.050	
Blank (1G29008-BLK1) mg/L				Lab File ID: 042F4201.D		Analyzed: 08/12/11 09:05		
o-Terphenyl	0.02000	57.0	30 - 140	7.966	7.97	-0.0040	+/-0.050	
LCS (1G29008-BS1) mg/L				Lab File ID: 043F4301.D		Analyzed: 08/12/11 09:33		
o-Terphenyl	0.02000	62.6	30 - 140	7.953	7.97	-0.0170	+/-0.050	
GW0170 (1107237-01) mg/L				Lab File ID: 044F4401.D		Analyzed: 08/12/11 10:01		
o-Terphenyl	0.02222	50.2	30 - 140	7.963	7.97	-0.0070	+/-0.050	
GW0171 (1107237-03) mg/L				Lab File ID: 045F4501.D		Analyzed: 08/12/11 10:28		
o-Terphenyl	0.02222	48.8	30 - 140	7.96	7.97	-0.0100	+/-0.050	
GW0237 (1107237-05) mg/L				Lab File ID: 046F4601.D		Analyzed: 08/12/11 10:56		
o-Terphenyl	0.02000	40.9	30 - 140	7.97	7.97	0.0000	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22704	Instrument:	GL-GCFID2
		Calibration:	1215003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22704-CCV5) mg/L				Lab File ID: 047F4701.D		Analyzed: 08/12/11 11:24		
o-Terphenyl	50.00	83.8	80 - 120	7.956	7.97	-0.0140	+/-0.050	
GW0238 (1107237-07) mg/L				Lab File ID: 048F4801.D		Analyzed: 08/12/11 11:52		
o-Terphenyl	0.02222	45.2	30 - 140	7.97	7.97	0.0000	+/-0.050	
GW0145 (1107251-01) mg/L				Lab File ID: 049F4901.D		Analyzed: 08/12/11 12:20		
o-Terphenyl	0.02000	45.5	30 - 140	7.973	7.97	0.0030	+/-0.050	
Matrix Spike (1G29008-MS1) mg/L				Lab File ID: 050F5001.D		Analyzed: 08/12/11 12:48		
o-Terphenyl	0.01961	47.3	30 - 140	7.963	7.97	-0.0070	+/-0.050	
Matrix Spike Dup (1G29008-MSD1) mg/L				Lab File ID: 051F5101.D		Analyzed: 08/12/11 13:15		
o-Terphenyl	0.02000	28.7	30 - 140	7.966	7.97	-0.0040	+/-0.050	*
Calibration Check (1H22704-CCV6) mg/L				Lab File ID: 052F5201.D		Analyzed: 08/12/11 13:44		
o-Terphenyl	50.00	80.6	80 - 120	7.96	7.97	-0.0100	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22812	Instrument:	GL-GCFID2
		Calibration:	1215003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (1H22812-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 08/15/11 07:53		
o-Terphenyl	50.00	81.6	80 - 120	7.946	7.946	0.0000	+/-0.050	
Blank (1G26006-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 08/15/11 08:21		
o-Terphenyl	0.02000	54.7	30 - 140	7.963	7.946	0.0170	+/-0.050	
LCS (1G26006-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 08/15/11 08:49		
o-Terphenyl	0.02000	49.2	30 - 140	7.95	7.946	0.0040	+/-0.050	
LCS Dup (1G26006-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 08/15/11 09:17		
o-Terphenyl	0.02000	46.1	30 - 140	7.953	7.946	0.0070	+/-0.050	
Calibration Check (1H22812-CCV2) mg/L				Lab File ID: 014F1401.D		Analyzed: 08/15/11 12:58		
o-Terphenyl	50.00	87.8	80 - 120	7.95	7.946	0.0040	+/-0.050	
GW0207 (1107209-01) mg/L				Lab File ID: 018F1801.D		Analyzed: 08/15/11 14:49		
o-Terphenyl	0.01923	63.1	30 - 140	7.956	7.946	0.0100	+/-0.050	
GW0242 (1107209-03) mg/L				Lab File ID: 019F1901.D		Analyzed: 08/15/11 15:17		
o-Terphenyl	0.01887	44.8	30 - 140	7.963	7.946	0.0170	+/-0.050	
GW0174 (1107224-01) mg/L				Lab File ID: 020F2001.D		Analyzed: 08/15/11 15:45		
o-Terphenyl	0.01923	53.9	30 - 140	7.963	7.946	0.0170	+/-0.050	
GW0175 (1107224-03) mg/L				Lab File ID: 021F2101.D		Analyzed: 08/15/11 16:13		
o-Terphenyl	0.02000	59.7	30 - 140	7.956	7.946	0.0100	+/-0.050	
GW0239 (1107224-05) mg/L				Lab File ID: 022F2201.D		Analyzed: 08/15/11 16:40		
o-Terphenyl	0.02000	60.6	30 - 140	7.963	7.946	0.0170	+/-0.050	
Calibration Check (1H22812-CCV3) mg/L				Lab File ID: 023F2301.D		Analyzed: 08/15/11 17:08		
o-Terphenyl	50.00	84.7	80 - 120	7.95	7.946	0.0040	+/-0.050	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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
GW0207	07/25/11 14:37	07/26/11 09:00	07/27/11 12:45	1.88	7.00	08/15/11 14:49	19.09	40.00	
GW0242	07/25/11 11:00	07/26/11 09:00	07/27/11 12:45	2.03	7.00	08/15/11 15:17	19.11	40.00	
GW0174	07/26/11 12:56	07/27/11 09:00	07/28/11 12:40	1.95	7.00	08/15/11 15:45	18.13	40.00	
GW0175	07/26/11 10:27	07/27/11 09:00	07/28/11 11:35	2.01	7.00	08/15/11 16:13	18.19	40.00	
GW0239	07/26/11 12:23	07/27/11 09:00	07/28/11 11:35	1.93	7.00	08/15/11 16:40	18.21	40.00	
GW0170	07/27/11 12:46	07/28/11 09:00	08/01/11 14:09	5.02	7.00	08/12/11 10:01	10.83	40.00	
GW0171	07/27/11 12:46	07/28/11 09:00	08/01/11 14:09	5.02	7.00	08/12/11 10:28	10.85	40.00	
GW0237	07/27/11 16:12	07/28/11 09:00	08/01/11 14:09	4.87	7.00	08/12/11 10:56	10.87	40.00	
GW0238	07/27/11 16:12	07/28/11 09:00	08/01/11 14:09	4.87	7.00	08/12/11 11:52	10.90	40.00	
GW0145	07/28/11 13:56	07/29/11 09:00	08/01/11 14:09	4.01	7.00	08/12/11 12:20	10.92	40.00	
GW0143	07/29/11 13:58	07/30/11 11:00	08/04/11 11:47	5.87	7.00	08/12/11 01:43	7.58	40.00	
GW0150	07/29/11 14:40	07/30/11 11:00	08/04/11 11:47	5.84	7.00	08/12/11 02:11	7.60	40.00	
GW0233	07/29/11 10:37	07/30/11 11:00	08/04/11 11:47	6.01	7.00	08/12/11 02:39	7.62	40.00	
GW0241	07/29/11 11:37	07/30/11 11:00	08/04/11 11:47	5.97	7.00	08/12/11 03:07	7.64	40.00	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1G26006-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	08/15/11 08:21
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1G26006	Sequence:	1H22812	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01094	54.7	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1G26006-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	08/15/11 08:49
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1G26006	Sequence:	1H22812	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5000	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.009831	49.2	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1G26006-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	08/15/11 09:17
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1G26006	Sequence:	1H22812	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5099	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.009221	46.1	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1G29008-BLK1	File ID:	042F4201.D
Sampled:		Prepared:		Analyzed:	08/12/11 09:05
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1G29008 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01141	57.0	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1G29008-BS1	File ID:	043F4301.D
Sampled:		Prepared:		Analyzed:	08/12/11 09:33
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1G29008 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.6864	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01253	62.6	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1G29008-MS1	File ID:	050F5001.D
Sampled:		Prepared:		Analyzed:	08/12/11 12:48
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1G29008 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5416	0.0980	0.0980	0.0980	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.009280	47.3	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_021	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	1G29008-MSD1	File ID:	051F5101.D
Sampled:		Prepared:		Analyzed:	08/12/11 13:15
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 1G29008 Sequence: 1H22704 Calibration: 1215003 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.3587	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.005741	28.7	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H02006-BLK1	File ID:	022F2201.D
Sampled:		Prepared:		Analyzed:	08/11/11 23:52
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1H02006	Sequence:	1H22704	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.100	0.100	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01225	61.2	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H02006-BS1	File ID:	023F2301.D
Sampled:		Prepared:		Analyzed:	08/12/11 00:20
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1H02006	Sequence:	1H22704	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5309	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01079	54.0	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H02006-BSD1	File ID:	024F2401.D
Sampled:		Prepared:		Analyzed:	08/12/11 00:48
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	1H02006	Sequence:	1H22704	Calibration:	1215003	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	0.5096	0.100	0.100	0.100	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01077	53.8	30 - 140	

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: GL-GCFID2

Analyte	MDL	MRL	Units	Method
Diesel Range Organics (C10-C28)	0.100	0.100	mg/L	SW8015B DRO

Data for SW8011 Forms

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21706	Instrument:	GL-ECD2
Calibration:	1217001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H21706-CAL1	002R0101.D	07/24/11 05:47
Cal Standard	1H21706-CAL1	002F0101.D	07/24/11 05:47
Cal Standard	1H21706-CAL2	003R0101.D	07/24/11 06:08
Cal Standard	1H21706-CAL2	003F0101.D	07/24/11 06:08
Cal Standard	1H21706-CAL3	004R0101.D	07/24/11 06:29
Cal Standard	1H21706-CAL3	004F0101.D	07/24/11 06:29
Cal Standard	1H21706-CAL4	005R0101.D	07/24/11 06:50
Cal Standard	1H21706-CAL4	005F0101.D	07/24/11 06:50
Cal Standard	1H21706-CAL5	006R0101.D	07/24/11 07:11
Cal Standard	1H21706-CAL5	006F0101.D	07/24/11 07:11
Cal Standard	1H21706-CAL6	007R0101.D	07/24/11 07:33
Cal Standard	1H21706-CAL6	007F0101.D	07/24/11 07:33
Initial Cal Check	1H21706-ICV1	008R0101.D	07/24/11 07:54
Initial Cal Check	1H21706-ICV1	008F0101.D	07/24/11 07:54

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21907	Instrument:	GL-ECD2
Calibration:	1217001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H21907-CCV1	002R0101.D	08/02/11 18:55
Calibration Check	1H21907-CCV1	002F0101.D	08/02/11 18:55
Blank	1H02019-BLK1	003F0101.D	08/02/11 19:16
LCS	1H02019-BS1	004R0101.D	08/02/11 19:38
LCS	1H02019-BS1	004F0101.D	08/02/11 19:38
Calibration Check	1H21907-CCV2	013R0101.D	08/02/11 22:49
Calibration Check	1H21907-CCV2	013F0101.D	08/02/11 22:49
Calibration Check	1H21907-CCV3	024R0101.D	08/03/11 02:45
Calibration Check	1H21907-CCV3	024F0101.D	08/03/11 02:45
GW0207	1107209-01	025R0101.D	08/03/11 03:07
GW0242	1107209-03	026R0101.D	08/03/11 03:28
Calibration Check	1H21907-CCV4	029R0101.D	08/03/11 17:50
Calibration Check	1H21907-CCV4	029F0101.D	08/03/11 17:50

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22903	Instrument:	GL-ECD2
Calibration:	1217001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22903-CCV1	002R0101.D	08/10/11 14:39
Calibration Check	1H22903-CCV1	002F0101.D	08/10/11 14:39
Blank	1H09023-BLK1	003R0101.D	08/10/11 15:01
LCS	1H09023-BS1	004R0101.D	08/10/11 15:22
GW0174	1107224-01	008F0101.D	08/10/11 16:49
GW0175	1107224-03	009R0101.D	08/10/11 17:11
GW0239	1107224-05	010R0101.D	08/10/11 17:33
GW0170	1107237-01	011R0101.D	08/10/11 17:54
GW0170	1107237-01	011F0101.D	08/10/11 17:54
GW0171	1107237-03	012R0101.D	08/10/11 18:16
GW0171	1107237-03	012F0101.D	08/10/11 18:16
Calibration Check	1H22903-CCV2	013F0101.D	08/10/11 18:37
Calibration Check	1H22903-CCV2	013R0101.D	08/10/11 18:37
GW0237	1107237-05	014R0101.D	08/10/11 18:59
GW0238	1107237-07	015R0101.D	08/10/11 19:20
MW14-0711	1H09023-MS1	020R0101.D	08/10/11 21:07
MW14-0711	1H09023-MS1	020F0101.D	08/10/11 21:07
MW14-0711	1H09023-MSD1	021F0101.D	08/10/11 21:28
MW14-0711	1H09023-MSD1	021R0101.D	08/10/11 21:28
Calibration Check	1H22903-CCV3	024R0101.D	08/10/11 22:34
Calibration Check	1H22903-CCV3	024F0101.D	08/10/11 22:34

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22907	Instrument:	GL-ECD2
Calibration:	1217001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22907-CCV1	002R0101.D	08/11/11 19:56
Calibration Check	1H22907-CCV1	002F0101.D	08/11/11 19:56
Blank	1H11016-BLK1	003F0101.D	08/11/11 20:17
LCS	1H11016-BS1	004R0101.D	08/11/11 20:38
LCS	1H11016-BS1	004F0101.D	08/11/11 20:38
GW0145	1107251-01	005R0101.D	08/11/11 20:59
GW0145	1107251-01	005F0101.D	08/11/11 20:59
GW0145	1H11016-MS1	006R0101.D	08/11/11 21:20
GW0145	1H11016-MS1	006F0101.D	08/11/11 21:20
GW0145	1H11016-MSD1	007F0101.D	08/11/11 21:41
GW0145	1H11016-MSD1	007R0101.D	08/11/11 21:41
GW0143	1108004-01	008R0101.D	08/11/11 22:02
GW0150	1108004-03	009R0101.D	08/11/11 22:24
GW0233	1108004-05	010R0101.D	08/11/11 22:45
GW0241	1108004-07	011R0101.D	08/11/11 23:07
Calibration Check	1H22907-CCV2	013R0101.D	08/11/11 23:50
Calibration Check	1H22907-CCV2	013F0101.D	08/11/11 23:50

ANALYSIS DATA SHEET

GW0207

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-01	File ID:	025R0101.D
Sampled:	07/25/11 14:37	Prepared:	08/02/11 15:06	Analyzed:	08/03/11 03:07
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H02019 Sequence: 1H21907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00945	0.0189	0.0284	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0242

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-03	File ID:	026R0101.D
Sampled:	07/25/11 11:00	Prepared:	08/02/11 15:06	Analyzed:	08/03/11 03:28
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H02019 Sequence: 1H21907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00986	0.0197	0.0296	U

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0174

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-01	File ID:	008F0101.D
Sampled:	07/26/11 12:56	Prepared:	08/09/11 13:00	Analyzed:	08/10/11 16:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H09023 Sequence: 1H22903 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00948	0.0190	0.0284	UXH1, Q,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0175

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-03	File ID:	009R0101.D
Sampled:	07/26/11 10:27	Prepared:	08/09/11 13:00	Analyzed:	08/10/11 17:11
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H09023 Sequence: 1H22903 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00939	0.0188	0.0282	UXH1, Q,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0239

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-05	File ID:	010R0101.D
Sampled:	07/26/11 12:23	Prepared:	08/09/11 13:00	Analyzed:	08/10/11 17:33
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H09023 Sequence: 1H22903 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00945	0.0189	0.0284	UXH1, Q,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-01	File ID:	011F0101.D
Sampled:	07/27/11 12:46	Prepared:	08/09/11 13:00	Analyzed:	08/10/11 17:54
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H09023 Sequence: 1H22903 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.845	0.00946	0.0189	0.0284	XQ,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-03	File ID:	012F0101.D
Sampled:	07/27/11 12:46	Prepared:	08/09/11 13:00	Analyzed:	08/10/11 18:16
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H09023 Sequence: 1H22903 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.952	0.00967	0.0193	0.0290	XQ,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0237

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-05	File ID:	014R0101.D
Sampled:	07/27/11 16:12	Prepared:	08/09/11 13:00	Analyzed:	08/10/11 18:59
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H09023 Sequence: 1H22903 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00938	0.0188	0.0281	UXQ,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0238

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-07	File ID:	015R0101.D
Sampled:	07/27/11 16:12	Prepared:	08/09/11 13:00	Analyzed:	08/10/11 19:20
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H09023 Sequence: 1H22903 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00947	0.0189	0.0284	UXQ,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0145

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-01	File ID:	005F0101.D
Sampled:	07/28/11 13:56	Prepared:	08/11/11 16:19	Analyzed:	08/11/11 20:59
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00940	0.0188	0.0282	UXN,

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0143

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-01	File ID:	008R0101.D
Sampled:	07/29/11 13:58	Prepared:	08/11/11 16:19	Analyzed:	08/11/11 22:02
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00960	0.0192	0.0288	UX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0150

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-03	File ID:	009R0101.D
Sampled:	07/29/11 14:40	Prepared:	08/11/11 16:19	Analyzed:	08/11/11 22:24
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00952	0.0190	0.0286	UX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0233

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-05	File ID:	010R0101.D
Sampled:	07/29/11 10:37	Prepared:	08/11/11 16:19	Analyzed:	08/11/11 22:45
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00956	0.0191	0.0287	UX

* Values outside of QC limits

ANALYSIS DATA SHEET

GW0241

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-07	File ID:	011R0101.D
Sampled:	07/29/11 11:37	Prepared:	08/11/11 16:19	Analyzed:	08/11/11 23:07
Solids:		Preparation:	EDB	Dilution:	1

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00933	0.0187	0.0280	UX

* Values outside of QC limits

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H02019	Laboratory ID:	1H02019-BS1
Preparation:	EDB	Initial/Final:	35.41 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	0.4942	0.5023	102	70 - 130
1,2-Dibromoethane [2C]	0.4942	0.3836	77.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H09023	Laboratory ID:	1H09023-BS1
Preparation:	EDB	Initial/Final:	34.13 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	**0.5127**	**0.0308 U**	**0**	**70 - 130**
1,2-Dibromoethane [2C]	**0.5127**	**0.0308 U**	**0**	**70 - 130**

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H11016	Laboratory ID:	1H11016-BS1
Preparation:	EDB	Initial/Final:	32.64 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	0.5362	0.6575	123	70 - 130
1,2-Dibromoethane [2C]	0.5362	0.5143	95.9	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

MW14-0711

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H09023

% Solids:

Source Sample Name: **1108007-09**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4654	ND	0.4833	104		70 - 130
1,2-Dibromoethane [2C]	0.4654	ND	0.4712	101		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4714	0.4150	88.0	15.2		20	70 - 130
1,2-Dibromoethane [2C]	0.4714	0.4366	92.6	7.61		20	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H11016

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4713	ND	0.7164	152	*	70 - 130
1,2-Dibromoethane [2C]	0.4713	0.02882	0.5483	110		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4682	0.6305	135	12.8	*	20	70 - 130
1,2-Dibromoethane [2C]	0.4682	0.5239	106	4.55		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H02019 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	08/02/11 15:06	37.02	35.00
GW0242	1107209-03	08/02/11 15:06	35.51	35.00
Blank	1H02019-BLK1	08/02/11 15:06	33.61	35.00
LCS	1H02019-BS1	08/02/11 15:06	35.41	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H09023 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0174	1107224-01	08/09/11 13:00	36.92	35.00
GW0175	1107224-03	08/09/11 13:00	37.28	35.00
GW0239	1107224-05	08/09/11 13:00	37.03	35.00
GW0170	1107237-01	08/09/11 13:00	37.00	35.00
GW0171	1107237-03	08/09/11 13:00	36.18	35.00
GW0237	1107237-05	08/09/11 13:00	37.33	35.00
GW0238	1107237-07	08/09/11 13:00	36.97	35.00
Blank	1H09023-BLK1	08/09/11 13:00	34.19	35.00
LCS	1H09023-BS1	08/09/11 13:00	34.13	35.00
MW14-0711	1H09023-MS1	08/09/11 13:00	37.60	35.00
MW14-0711	1H09023-MSD1	08/09/11 13:00	37.12	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H11016 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0145	1107251-01	08/11/11 16:19	37.23	35.00
GW0143	1108004-01	08/11/11 16:19	36.46	35.00
GW0150	1108004-03	08/11/11 16:19	36.75	35.00
GW0233	1108004-05	08/11/11 16:19	36.61	35.00
GW0241	1108004-07	08/11/11 16:19	37.50	35.00
Blank	1H11016-BLK1	08/11/11 16:19	32.39	35.00
LCS	1H11016-BS1	08/11/11 16:19	32.64	35.00
GW0145	1H11016-MS1	08/11/11 16:19	37.13	35.00
GW0145	1H11016-MSD1	08/11/11 16:19	37.38	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1H02019-BLK1	File ID:	003F0101.D
Sampled:		Prepared:	08/02/11 15:06	Analyzed:	08/02/11 19:16
Solids:		Preparation:	EDB	Dilution:	

Batch: 1H02019 Sequence: 1H21907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0104	0.0208	0.0312	U

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1H09023-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	08/09/11 13:00	Analyzed:	08/10/11 15:01
Solids:		Preparation:	EDB	Dilution:	

Batch: 1H09023 Sequence: 1H22903 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0102	0.0205	0.0307	U

* Values outside of QC limits

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1H11016-BLK1	File ID:	003F0101.D
Sampled:		Prepared:	08/11/11 16:19	Analyzed:	08/11/11 20:17
Solids:		Preparation:	EDB	Dilution:	

Batch: 1H11016 Sequence: 1H22907 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0108	0.0216	0.0324	U

* Values outside of QC limits

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21706	Instrument:	GL-ECD2
Calibration:	1217001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
11G0585	EDB ICAL 1 (0.03ppb)	1H21706-CAL1	002R0101.D	07/24/11 05:47
11G0585	EDB ICAL 1 (0.03ppb)	1H21706-CAL1	002F0101.D	07/24/11 05:47
11G0586	EDB ICAL 2 (0.05ppb)	1H21706-CAL2	003R0101.D	07/24/11 06:08
11G0586	EDB ICAL 2 (0.05ppb)	1H21706-CAL2	003F0101.D	07/24/11 06:08
11G0587	EDB ICAL 3 (0.10ppb)	1H21706-CAL3	004R0101.D	07/24/11 06:29
11G0587	EDB ICAL 3 (0.10ppb)	1H21706-CAL3	004F0101.D	07/24/11 06:29
11G0588	EDB ICAL 4 (0.20ppb)	1H21706-CAL4	005R0101.D	07/24/11 06:50
11G0588	EDB ICAL 4 (0.20ppb)	1H21706-CAL4	005F0101.D	07/24/11 06:50
11G0589	EDB ICAL 5 (0.50ppb)/CCV	1H21706-CAL5	006R0101.D	07/24/11 07:11
11G0589	EDB ICAL 5 (0.50ppb)/CCV	1H21706-CAL5	006F0101.D	07/24/11 07:11
11G0590	EDB ICAL 6 (1.00ppb)	1H21706-CAL6	007R0101.D	07/24/11 07:33
11G0590	EDB ICAL 6 (1.00ppb)	1H21706-CAL6	007F0101.D	07/24/11 07:33

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	1217001	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	7/24/11 5:47	7/24/11 7:33

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.03	105200	0.05	73940	0.1	44320	0.2	29740	0.5	19872	1	16148
1,2-Dibromoethane [2C]	0.03	47700	0.05	45320	0.1	42100	0.2	40220	0.5	37742	1	34697
1,2-Dibromo-3-chloropropane	0.03	31633.33	0.05	31160	0.1	30840	0.2	30265	0.5	26672	1	23374
1,2-Dibromo-3-chloropropane [2C]	0.03	66300	0.05	86800	0.1	71910	0.2	75020	0.5	75158	1	73227

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1217001	Instrument:	GL-ECD2
Matrix:	Water	Calibration Dates:	7/24/11 5:47 7/24/11 7:33

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	48203.33	72.44401	1.7675	0.1671121	0.9980929		0.995	
1,2-Dibromoethane [2C]	41296.5	11.62254	0.6815	0.2415891			20	
1,2-Dibromo-3-chloropropane	28990.72	11.29974	7.396	1.722382E-02			20	
1,2-Dibromo-3-chloropropane [2C]	74735.83	9.020224	4.6435	1.905185E-02			20	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	008F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H21706	Injection Date:	07/24/11
Lab Sample ID:	1H21706-ICV1	Injection Time:	07:54

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5673	48203.33	21176		13.5	20
1,2-Dibromoethane [2C]	A	0.5000	0.4368	41296.5	36074		-12.6	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	002F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H21907	Injection Date:	08/02/11
Lab Sample ID:	1H21907-CCV1	Injection Time:	18:55

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5332	48203.33	20270		6.6	20
1,2-Dibromoethane [2C]	A	0.5000	0.4028	41296.5	33266		-19.4	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	013F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H21907	Injection Date:	08/02/11
Lab Sample ID:	1H21907-CCV2	Injection Time:	22:49

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4924	48203.33	19188		-1.5	20
1,2-Dibromoethane [2C]	A	0.5000	0.4663	41296.5	38514		-6.7	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	024F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H21907	Injection Date:	08/03/11
Lab Sample ID:	1H21907-CCV3	Injection Time:	02:45

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4154	48203.33	17146		-16.9	20
1,2-Dibromoethane [2C]	A	0.5000	0.3023	41296.5	24966		-39.5	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	029F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H21907	Injection Date:	08/03/11
Lab Sample ID:	1H21907-CCV4	Injection Time:	17:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.4613	48203.33	18364		-7.7	20
1,2-Dibromoethane [2C]	A	0.5000	0.3784	41296.5	31256		-24.3	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	002F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22903	Injection Date:	08/10/11
Lab Sample ID:	1H22903-CCV1	Injection Time:	14:39

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.7120	48203.33	25014		42.4	20 *
1,2-Dibromoethane [2C]	A	0.5000	0.4496	41296.5	37138		-10.1	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	013F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22903	Injection Date:	08/10/11
Lab Sample ID:	1H22903-CCV2	Injection Time:	18:37

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5169	48203.33	19838		3.4	20
1,2-Dibromoethane [2C]	A	0.5000	0.4196	41296.5	34660		-16.1	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	024F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22903	Injection Date:	08/10/11
Lab Sample ID:	1H22903-CCV3	Injection Time:	22:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.6644	48203.33	23752		32.9	20 *
1,2-Dibromoethane [2C]	A	0.5000	0.4379	41296.5	36168		-12.4	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_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	002F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22907	Injection Date:	08/11/11
Lab Sample ID:	1H22907-CCV1	Injection Time:	19:56

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.5485	48203.33	20678		9.7	20
1,2-Dibromoethane [2C]	A	0.5000	0.4758	41296.5	39298		-4.8	20

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

* Values outside of QC limits

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	1217001
Lab File ID:	013F0101.D	Calibration Date:	07/24/11 05:45
Sequence:	1H22907	Injection Date:	08/11/11
Lab Sample ID:	1H22907-CCV2	Injection Time:	23:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	L	0.5000	0.6271	48203.33	22762		25.4	20 *
1,2-Dibromoethane [2C]	A	0.5000	0.4519	41296.5	37324		-9.6	20

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

* Values outside of QC limits

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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
GW0207	07/25/11 14:37	07/26/11 09:00	08/02/11 15:06	N/A	14.00	08/03/11 03:07	8.48	14.00	
GW0242	07/25/11 11:00	07/26/11 09:00	08/02/11 15:06	N/A	14.00	08/03/11 03:28	8.64	14.00	
GW0174	07/26/11 12:56	07/27/11 09:00	08/09/11 13:00	N/A	14.00	08/10/11 16:49	15.12	14.00	*
GW0175	07/26/11 10:27	07/27/11 09:00	08/09/11 13:00	N/A	14.00	08/10/11 17:11	15.24	14.00	*
GW0239	07/26/11 12:23	07/27/11 09:00	08/09/11 13:00	N/A	14.00	08/10/11 17:33	15.17	14.00	*
GW0170	07/27/11 12:46	07/28/11 09:00	08/09/11 13:00	N/A	14.00	08/10/11 17:54	14.17	14.00	
GW0171	07/27/11 12:46	07/28/11 09:00	08/09/11 13:00	N/A	14.00	08/10/11 18:16	14.19	14.00	
GW0237	07/27/11 16:12	07/28/11 09:00	08/09/11 13:00	N/A	14.00	08/10/11 18:59	14.07	14.00	
GW0238	07/27/11 16:12	07/28/11 09:00	08/09/11 13:00	N/A	14.00	08/10/11 19:20	14.09	14.00	
GW0145	07/28/11 13:56	07/29/11 09:00	08/11/11 16:19	N/A	14.00	08/11/11 20:59	14.29	14.00	
GW0143	07/29/11 13:58	07/30/11 11:00	08/11/11 16:19	N/A	14.00	08/11/11 22:02	13.29	14.00	
GW0150	07/29/11 14:40	07/30/11 11:00	08/11/11 16:19	N/A	14.00	08/11/11 22:24	13.28	14.00	
GW0233	07/29/11 10:37	07/30/11 11:00	08/11/11 16:19	N/A	14.00	08/11/11 22:45	13.46	14.00	
GW0241	07/29/11 11:37	07/30/11 11:00	08/11/11 16:19	N/A	14.00	08/11/11 23:07	13.44	14.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1H02019-BS1
File ID: 004F0101.D
Sampled:
Prepared:
Analyzed: 08/02/11 19:38
Solids:
Preparation: EDB
Dilution:
Batch: 1H02019
Sequence: 1H21907
Calibration: 1217001
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.5023	0.00988	0.0198	0.0297	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H02019-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	08/02/11 19:38
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H02019	Sequence:	1H21907	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.3836	0.00988	0.0198	0.0297	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H09023-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	08/10/11 15:22
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H09023	Sequence:	1H22903	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0103	0.0205	0.0308	X

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1H09023-BS1
File ID: 004R0101.D
Sampled:
Prepared:
Analyzed: 08/10/11 15:22
Solids:
Preparation: EDB
Dilution:
Batch: 1H09023
Sequence: 1H22903
Calibration: 1217001
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]		0.0103	0.0205	0.0308	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	kirtland_021
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	1H09023-MS1	File ID:	020F0101.D
Sampled:		Prepared:		Analyzed:	08/10/11 21:07
Solids:		Preparation:	EDB	Dilution:	

Batch: 1H09023 Sequence: 1H22903 Calibration: 1217001 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4833	0.00931	0.0186	0.0279	Q, X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H09023-MS1	File ID:	020R0101.D
Sampled:		Prepared:		Analyzed:	08/10/11 21:07
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H09023	Sequence:	1H22903	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4712	0.00931	0.0186	0.0279	Q

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H09023-MSD1	File ID:	021F0101.D
Sampled:		Prepared:		Analyzed:	08/10/11 21:28
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H09023	Sequence:	1H22903	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.4150	0.00943	0.0189	0.0283	Q, X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H09023-MSD1	File ID:	021R0101.D
Sampled:		Prepared:		Analyzed:	08/10/11 21:28
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H09023	Sequence:	1H22903	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.4366	0.00943	0.0189	0.0283	Q

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H11016-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	08/11/11 20:38
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H11016	Sequence:	1H22907	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.6575	0.0107	0.0214	0.0322	X

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H11016-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	08/11/11 20:38
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H11016	Sequence:	1H22907	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5143	0.0107	0.0214	0.0322	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix:
Laboratory ID: 1H11016-MS1
File ID: 006F0101.D
Sampled:
Prepared:
Analyzed: 08/11/11 21:20
Solids:
Preparation: EDB
Dilution:
Batch: 1H11016
Sequence: 1H22907
Calibration: 1217001
Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.7164	0.00943	0.0189	0.0283	X

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H11016-MS1	File ID:	006R0101.D
Sampled:		Prepared:		Analyzed:	08/11/11 21:20
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H11016	Sequence:	1H22907	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5483	0.00943	0.0189	0.0283	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H11016-MSD1	File ID:	007F0101.D
Sampled:		Prepared:		Analyzed:	08/11/11 21:41
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H11016	Sequence:	1H22907	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.6305	0.00936	0.0187	0.0281	X

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	1H11016-MSD1	File ID:	007R0101.D
Sampled:		Prepared:		Analyzed:	08/11/11 21:41
Solids:		Preparation:	EDB	Dilution:	

Batch:	1H11016	Sequence:	1H22907	Calibration:	1217001	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.5239	0.00936	0.0187	0.0281	

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1H02019-BS1 Date(s) Analyzed: 08/02/2011 08/02/2011

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	1.77	1.74	1.80	0.5023	
	2	0.68	0.65	0.71	0.3836	27

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0170

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1107237-01 Date(s) Analyzed: 08/10/2011 08/10/2011

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	1.77	1.74	1.80	0.845	
	2	0.69	0.65	0.71	0.799	6

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0171

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1107237-03 Date(s) Analyzed: 08/10/2011 08/10/2011

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	1.77	1.74	1.80	0.952	
	2	0.69	0.65	0.71	0.879	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1H09023-MS1 Date(s) Analyzed: 08/10/2011 08/10/2011

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	1.75	1.74	1.80	0.4833	
	2	0.67	0.65	0.71	0.4712	3

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1H09023-MSD1 Date(s) Analyzed: 08/10/2011 08/10/2011

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	1.77	1.74	1.80	0.4150	
	2	0.69	0.65	0.71	0.4366	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1H11016-BS1 Date(s) Analyzed: 08/11/2011 08/11/2011

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	1.77	1.74	1.80	0.6575	
	2	0.69	0.65	0.71	0.5143	24

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1H11016-MS1 Date(s) Analyzed: 08/11/2011 08/11/2011

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	1.77	1.74	1.80	0.7164	
	2	0.69	0.65	0.71	0.5483	27

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1H11016-MSD1 Date(s) Analyzed: 08/11/2011 08/11/2011

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	1.77	1.74	1.80	0.6305	
	2	0.69	0.65	0.71	0.5239	19

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: GL-ECD2

Analyte	MDL	MRL	Units	Method
1,2-Dibromoethane	0.0100	0.0300	ug/L	SW8011

Data for SW6010B Forms

ANALYSIS DATA SHEET

GW0207

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 07/25/11 14:37
% Solids: 0.00

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1107209-01
Received: 07/26/11 09:00

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	1H02003	08/08/11 14:40
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 14:40
7439-95-4	Magnesium	4610	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 14:40
7440-09-7	Potassium	2160	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 14:40
7440-23-5	Sodium	22100	1000	3000	5000	1		SW6010B	1H02003	08/08/11 14:40

ANALYSIS DATA SHEET

GW0207

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-02
Sampled:	07/25/11 14:37	Received:	07/26/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 22:28
7439-96-5	Manganese (dissolved)	9.43	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/10/11 22:28

ANALYSIS DATA SHEET

GW0242

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-03
Sampled:	07/25/11 11:00	Received:	07/26/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	36100	1000	2000	5000	1		SW6010B	1H02003	08/08/11 14:45
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 14:45
7439-95-4	Magnesium	5190	1000	3000	5000	1		SW6010B	1H02003	08/08/11 14:45
7440-09-7	Potassium	2430	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 14:45
7440-23-5	Sodium	27200	1000	3000	5000	1		SW6010B	1H02003	08/08/11 14:45

ANALYSIS DATA SHEET

GW0242

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 07/25/11 11:00
% Solids: 0.00

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1107209-04
Received: 07/26/11 09:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 22:32
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1H10007	08/10/11 22:32

ANALYSIS DATA SHEET

GW0174

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-01
Sampled:	07/26/11 12:56	Received:	07/27/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33700	1000	2000	5000	1		SW6010B	1H02003	08/08/11 14:54
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 14:54
7439-95-4	Magnesium	4720	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 14:54
7440-09-7	Potassium	2170	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 14:54
7440-23-5	Sodium	21300	1000	3000	5000	1		SW6010B	1H02003	08/08/11 14:54

ANALYSIS DATA SHEET

GW0174

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-02
Sampled:	07/26/11 12:56	Received:	07/27/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 22:37
7439-96-5	Manganese (dissolved)	3.20	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/10/11 22:37

ANALYSIS DATA SHEET

GW0175

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 07/26/11 10:27
% Solids: 0.00

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1107224-03
Received: 07/27/11 09:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	33600	1000	2000	5000	1		SW6010B	1H02003	08/08/11 14:59
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 14:59
7439-95-4	Magnesium	4670	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 14:59
7440-09-7	Potassium	2070	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 14:59
7440-23-5	Sodium	21200	1000	3000	5000	1		SW6010B	1H02003	08/08/11 14:59

ANALYSIS DATA SHEET

GW0175

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-04
Sampled:	07/26/11 10:27	Received:	07/27/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 22:41
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	1H10007	08/10/11 22:41

ANALYSIS DATA SHEET

GW0239

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-05
Sampled:	07/26/11 12:23	Received:	07/27/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	41100	1000	2000	5000	1		SW6010B	1H02003	08/08/11 15:03
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 15:03
7439-95-4	Magnesium	5810	1000	3000	5000	1		SW6010B	1H02003	08/08/11 15:03
7440-09-7	Potassium	2590	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 15:03
7440-23-5	Sodium	22500	1000	3000	5000	1		SW6010B	1H02003	08/08/11 15:03

ANALYSIS DATA SHEET

GW0239

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-06
Sampled:	07/26/11 12:23	Received:	07/27/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 22:46
7439-96-5	Manganese (dissolved)	13.4	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/10/11 22:46

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-01
Sampled:	07/27/11 12:46	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	64800	1000	2000	5000	1		SW6010B	1H02003	08/08/11 15:36
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 15:36
7439-95-4	Magnesium	8340	1000	3000	5000	1		SW6010B	1H02003	08/08/11 15:36
7440-09-7	Potassium	3390	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 15:36
7440-23-5	Sodium	29700	1000	3000	5000	1		SW6010B	1H02003	08/08/11 15:36

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-02
Sampled:	07/27/11 12:46	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 22:50
7439-96-5	Manganese (dissolved)	17.5	3.00	6.00	15.0	1		SW6010B	1H10007	08/10/11 22:50

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-03
Sampled:	07/27/11 12:46	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	67100	1000	2000	5000	1		SW6010B	1H02003	08/08/11 15:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 15:55
7439-95-4	Magnesium	8550	1000	3000	5000	1		SW6010B	1H02003	08/08/11 15:55
7440-09-7	Potassium	3560	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 15:55
7440-23-5	Sodium	30800	1000	3000	5000	1		SW6010B	1H02003	08/08/11 15:55

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-04
Sampled:	07/27/11 12:46	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 22:55
7439-96-5	Manganese (dissolved)	17.4	3.00	6.00	15.0	1		SW6010B	1H10007	08/10/11 22:55

ANALYSIS DATA SHEET

GW0237

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-05
Sampled:	07/27/11 16:12	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	58800	1000	2000	5000	1		SW6010B	1H02003	08/08/11 15:59
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 15:59
7439-95-4	Magnesium	8230	1000	3000	5000	1		SW6010B	1H02003	08/08/11 15:59
7440-09-7	Potassium	3050	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 15:59
7440-23-5	Sodium	26800	1000	3000	5000	1		SW6010B	1H02003	08/08/11 15:59

ANALYSIS DATA SHEET

GW0237

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-06
Sampled:	07/27/11 16:12	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 23:00
7439-96-5	Manganese (dissolved)	26.3	3.00	6.00	15.0	1		SW6010B	1H10007	08/10/11 23:00

ANALYSIS DATA SHEET

GW0238

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-07
Sampled:	07/27/11 16:12	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	54900	1000	2000	5000	1		SW6010B	1H02003	08/08/11 16:04
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 16:04
7439-95-4	Magnesium	7700	1000	3000	5000	1		SW6010B	1H02003	08/08/11 16:04
7440-09-7	Potassium	2880	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 16:04
7440-23-5	Sodium	25000	1000	3000	5000	1		SW6010B	1H02003	08/08/11 16:04

ANALYSIS DATA SHEET

GW0238

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-08
Sampled:	07/27/11 16:12	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 23:04
7439-96-5	Manganese (dissolved)	26.2	3.00	6.00	15.0	1		SW6010B	1H10007	08/10/11 23:04

ANALYSIS DATA SHEET

GW0145

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 07/28/11 13:56
% Solids: 0.00

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1107251-01
Received: 07/29/11 09:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	45300	1000	2000	5000	1		SW6010B	1H02003	08/08/11 16:50
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H02003	08/08/11 16:50
7439-95-4	Magnesium	5450	1000	3000	5000	1		SW6010B	1H02003	08/08/11 16:50
7440-09-7	Potassium	2360	1000	3000	5000	1	J	SW6010B	1H02003	08/08/11 16:50
7440-23-5	Sodium	21500	1000	3000	5000	1		SW6010B	1H02003	08/08/11 16:50

ANALYSIS DATA SHEET

GW0145

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-02
Sampled:	07/28/11 13:56	Received:	07/29/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 23:09
7439-96-5	Manganese (dissolved)	8.30	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/10/11 23:09

ANALYSIS DATA SHEET

GW0143

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-01
Sampled:	07/29/11 13:58	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	139000	1000	2000	5000	1		SW6010B	1H05003	08/10/11 19:59
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H05003	08/10/11 19:59
7439-95-4	Magnesium	19800	1000	3000	5000	1		SW6010B	1H05003	08/10/11 19:59
7440-09-7	Potassium	3970	1000	3000	5000	1	J	SW6010B	1H05003	08/10/11 19:59
7440-23-5	Sodium	49700	1000	3000	5000	1		SW6010B	1H05003	08/10/11 19:59

ANALYSIS DATA SHEET

GW0143

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-02
Sampled:	07/29/11 13:58	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	75.8	30.0	60.0	100	1	J	SW6010B	1H10007	08/10/11 23:40
7439-96-5	Manganese (dissolved)	44.6	3.00	6.00	15.0	1		SW6010B	1H10007	08/10/11 23:40

ANALYSIS DATA SHEET

GW0150

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-03
Sampled:	07/29/11 14:40	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	53100	1000	2000	5000	1		SW6010B	1H05003	08/10/11 20:04
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H05003	08/10/11 20:04
7439-95-4	Magnesium	7750	1000	3000	5000	1		SW6010B	1H05003	08/10/11 20:04
7440-09-7	Potassium	2370	1000	3000	5000	1	J	SW6010B	1H05003	08/10/11 20:04
7440-23-5	Sodium	25100	1000	3000	5000	1		SW6010B	1H05003	08/10/11 20:04

ANALYSIS DATA SHEET

GW0150

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-04
Sampled:	07/29/11 14:40	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 23:45
7439-96-5	Manganese (dissolved)	5.46	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/10/11 23:45

ANALYSIS DATA SHEET

GW0233

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 07/29/11 10:37
% Solids: 0.00

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1108004-05
Received: 07/30/11 11:00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	62400	1000	2000	5000	1		SW6010B	1H05003	08/10/11 20:08
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H05003	08/10/11 20:08
7439-95-4	Magnesium	9150	1000	3000	5000	1		SW6010B	1H05003	08/10/11 20:08
7440-09-7	Potassium	2650	1000	3000	5000	1	J	SW6010B	1H05003	08/10/11 20:08
7440-23-5	Sodium	27500	1000	3000	5000	1		SW6010B	1H05003	08/10/11 20:08

ANALYSIS DATA SHEET

GW0233

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-06
Sampled:	07/29/11 10:37	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 23:50
7439-96-5	Manganese (dissolved)	8.91	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/10/11 23:50

ANALYSIS DATA SHEET

GW0241

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-07
Sampled:	07/29/11 11:37	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	99400	1000	2000	5000	1		SW6010B	1H05003	08/10/11 20:13
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	1H05003	08/10/11 20:13
7439-95-4	Magnesium	15000	1000	3000	5000	1		SW6010B	1H05003	08/10/11 20:13
7440-09-7	Potassium	3780	1000	3000	5000	1	J	SW6010B	1H05003	08/10/11 20:13
7440-23-5	Sodium	43200	1000	3000	5000	1		SW6010B	1H05003	08/10/11 20:13

ANALYSIS DATA SHEET

GW0241

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-08
Sampled:	07/29/11 11:37	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	1H10007	08/10/11 23:54
7439-96-5	Manganese (dissolved)	6.09	3.00	6.00	15.0	1	J	SW6010B	1H10007	08/10/11 23:54

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: kirtland_021
Project: Kirtland AFB 2011
Calibration: 1221004
Sequence: 1H22104

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22104-ICV1	Calcium	50000	52570	105	ug/L	+/- 10.00%
	Lead	1000	986.5	98.6	ug/L	+/- 10.00%
	Magnesium	50000	51350	103	ug/L	+/- 10.00%
	Potassium	10000	9138	91.4	ug/L	+/- 10.00%
	Sodium	50000	51450	103	ug/L	+/- 10.00%
1H22104-CCV1	Calcium	50000	51720	103	ug/L	+/- 10.00%
	Lead	1000	971.0	97.1	ug/L	+/- 10.00%
	Magnesium	50000	49770	99.5	ug/L	+/- 10.00%
	Potassium	10000	10080	101	ug/L	+/- 10.00%
	Sodium	50000	50940	102	ug/L	+/- 10.00%
1H22104-CCV2	Calcium	50000	52880	106	ug/L	+/- 10.00%
	Lead	1000	949.6	95.0	ug/L	+/- 10.00%
	Magnesium	50000	50020	100	ug/L	+/- 10.00%
	Potassium	10000	10490	105	ug/L	+/- 10.00%
	Sodium	50000	51920	104	ug/L	+/- 10.00%
1H22104-CCV3	Calcium	50000	52910	106	ug/L	+/- 10.00%
	Lead	1000	949.8	95.0	ug/L	+/- 10.00%
	Magnesium	50000	50150	100	ug/L	+/- 10.00%
	Potassium	10000	10500	105	ug/L	+/- 10.00%
	Sodium	50000	51870	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_021
Project: Kirtland AFB 2011
Calibration: 1224003
Sequence: 1H22408

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22408-ICV1	Calcium	50000	51050	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10420	104	ug/L	+/- 10.00%
	Lead	1000	982.2	98.2	ug/L	+/- 10.00%
	Magnesium	50000	49650	99.3	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1020	102	ug/L	+/- 10.00%
	Potassium	10000	9009	90.1	ug/L	+/- 10.00%
	Sodium	50000	50030	100	ug/L	+/- 10.00%
1H22408-CCV1	Calcium	50000	52330	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10560	106	ug/L	+/- 10.00%
	Lead	1000	949.8	95.0	ug/L	+/- 10.00%
	Magnesium	50000	49700	99.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1073	107	ug/L	+/- 10.00%
	Potassium	10000	10330	103	ug/L	+/- 10.00%
	Sodium	50000	50950	102	ug/L	+/- 10.00%
1H22408-CCV6	Calcium	50000	49740	99.5	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10200	102	ug/L	+/- 10.00%
	Lead	1000	1033	103	ug/L	+/- 10.00%
	Magnesium	50000	49880	99.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	965.2	96.5	ug/L	+/- 10.00%
	Potassium	10000	9361	93.6	ug/L	+/- 10.00%
	Sodium	50000	49310	98.6	ug/L	+/- 10.00%
1H22408-CCV7	Calcium	50000	50980	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10340	103	ug/L	+/- 10.00%
	Lead	1000	988.4	98.8	ug/L	+/- 10.00%
	Magnesium	50000	49720	99.4	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1024	102	ug/L	+/- 10.00%
	Potassium	10000	9854	98.5	ug/L	+/- 10.00%
	Sodium	50000	50340	101	ug/L	+/- 10.00%
1H22408-CCV8	Calcium	50000	52450	105	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10620	106	ug/L	+/- 10.00%
	Lead	1000	957.3	95.7	ug/L	+/- 10.00%
	Magnesium	50000	50350	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1062	106	ug/L	+/- 10.00%
	Potassium	10000	10310	103	ug/L	+/- 10.00%
	Sodium	50000	51250	102	ug/L	+/- 10.00%
1H22408-CCV9	Calcium	50000	50820	102	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10410	104	ug/L	+/- 10.00%
	Lead	1000	991.5	99.2	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: kirtland_021
Project: Kirtland AFB 2011
Calibration: 1224003
Sequence: 1H22408

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22408-CCV9	Magnesium	50000	49910	99.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1005	100	ug/L	+/- 10.00%
	Potassium	10000	9737	97.4	ug/L	+/- 10.00%
	Sodium	50000	49980	100	ug/L	+/- 10.00%
1H22408-CCVA	Calcium	50000	51540	103	ug/L	+/- 10.00%
	Iron (dissolved)	10000	10630	106	ug/L	+/- 10.00%
	Lead	1000	991.4	99.1	ug/L	+/- 10.00%
	Magnesium	50000	50560	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1028	103	ug/L	+/- 10.00%
	Potassium	10000	9864	98.6	ug/L	+/- 10.00%
	Sodium	50000	50580	101	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1221004

Sequence: 1H22104

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H22104-CRL1	Calcium	2000	2092	105	ug/L	80 - 120
	Magnesium	3000	3071	102	ug/L	80 - 120
	Potassium	3000	3005	100	ug/L	80 - 120
	Sodium	3000	3082	103	ug/L	80 - 120
1H22104-CRL2	Lead	3.000	3.085	103	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 1224003

Sequence: 1H22408

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H22408-CRL1	Calcium	2000	2120	106	ug/L	80 - 120
	Iron (dissolved)	60.00	66.87	111	ug/L	80 - 120
	Lead	3.000	3.209	107	ug/L	80 - 120
	Magnesium	3000	3108	104	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.557	109	ug/L	80 - 120
	Potassium	3000	3061	102	ug/L	80 - 120
	Sodium	3000	3086	103	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1H22104
Calibration: 1221004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22104-ICB1	Calcium	5.250	1000	5000	ug/L	U	SW6010B
	Lead	0.4828	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.040	1000	5000	ug/L	U	SW6010B
	Potassium	22.16	1000	5000	ug/L	U	SW6010B
	Sodium	12.39	1000	5000	ug/L	U	SW6010B
1H22104-CCB1	Calcium	23.2	1000	5000	ug/L	U	SW6010B
	Lead	-0.0958	1.50	3.00	ug/L	U	SW6010B
	Magnesium	30.9	1000	5000	ug/L	U	SW6010B
	Potassium	15.8	1000	5000	ug/L	U	SW6010B
	Sodium	11.6	1000	5000	ug/L	U	SW6010B
1H02003-BLK1	Calcium	30.3	1000	5000	ug/L	U	SW6010B
	Lead	0.746	1.50	3.00	ug/L	U	SW6010B
	Magnesium	20.1	1000	5000	ug/L	U	SW6010B
	Potassium	-5.86	1000	5000	ug/L	U	SW6010B
	Sodium	12.1	1000	5000	ug/L	U	SW6010B
1H22104-CCB2	Calcium	7.86	1000	5000	ug/L	U	SW6010B
	Lead	0.133	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.54	1000	5000	ug/L	U	SW6010B
	Potassium	-4.09	1000	5000	ug/L	U	SW6010B
	Sodium	10.3	1000	5000	ug/L	U	SW6010B
1H22104-CCB3	Calcium	2.49	1000	5000	ug/L	U	SW6010B
	Lead	0.526	1.50	3.00	ug/L	U	SW6010B
	Magnesium	10.1	1000	5000	ug/L	U	SW6010B
	Potassium	-9.05	1000	5000	ug/L	U	SW6010B
	Sodium	11.4	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1H22408
Calibration: 1224003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22408-ICB1	Calcium	4.970	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.9245	30.0	100	ug/L	U	SW6010B
	Lead	0.5625	1.50	3.00	ug/L	U	SW6010B
	Magnesium	3.400	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.08344	3.00	15.0	ug/L	U	SW6010B
	Potassium	8.980	1000	5000	ug/L	U	SW6010B
	Sodium	20.32	1000	5000	ug/L	U	SW6010B
1H22408-CCB1	Calcium	57.9	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	19.5	30.0	100	ug/L	U	SW6010B
	Lead	0.166	1.50	3.00	ug/L	U	SW6010B
	Magnesium	54.1	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.119	3.00	15.0	ug/L	U	SW6010B
	Potassium	-11.9	1000	5000	ug/L	U	SW6010B
	Sodium	13.6	1000	5000	ug/L	U	SW6010B
1H22408-CCB6	Calcium	14.5	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.422	30.0	100	ug/L	U	SW6010B
	Lead	0.512	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.05	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.264	3.00	15.0	ug/L	U	SW6010B
	Potassium	23.8	1000	5000	ug/L	U	SW6010B
	Sodium	26.3	1000	5000	ug/L	U	SW6010B
1H05003-BLK1	Calcium	10.2	1000	5000	ug/L	U	SW6010B
	Lead	0.0317	1.50	3.00	ug/L	U	SW6010B
	Magnesium	2.01	1000	5000	ug/L	U	SW6010B
	Potassium	8.98	1000	5000	ug/L	U	SW6010B
	Sodium	22.5	1000	5000	ug/L	U	SW6010B
1H22408-CCB7	Calcium	0.830	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.61	30.0	100	ug/L	U	SW6010B
	Lead	-0.00570	1.50	3.00	ug/L	U	SW6010B
	Magnesium	0.590	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.0818	3.00	15.0	ug/L	U	SW6010B
	Potassium	-20.6	1000	5000	ug/L	U	SW6010B
	Sodium	19.4	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 1H22408
Calibration: 1224003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22408-CCB8	Calcium	6.35	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	0.703	30.0	100	ug/L	U	SW6010B
	Lead	0.684	1.50	3.00	ug/L	U	SW6010B
	Magnesium	11.0	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.329	3.00	15.0	ug/L	U	SW6010B
	Potassium	4.52	1000	5000	ug/L	U	SW6010B
	Sodium	20.9	1000	5000	ug/L	U	SW6010B
1H10007-BLK1	Iron (dissolved)	-1.17	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0705	3.00	15.0	ug/L	U	SW6010B
1H22408-CCB9	Calcium	3.19	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-0.304	30.0	100	ug/L	U	SW6010B
	Lead	-0.0370	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.52	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.122	3.00	15.0	ug/L	U	SW6010B
	Potassium	5.09	1000	5000	ug/L	U	SW6010B
	Sodium	11.9	1000	5000	ug/L	U	SW6010B
1H22408-CCBA	Calcium	7.96	1000	5000	ug/L	U	SW6010B
	Iron (dissolved)	-1.39	30.0	100	ug/L	U	SW6010B
	Lead	-0.131	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.34	1000	5000	ug/L	U	SW6010B
	Manganese (dissolved)	0.148	3.00	15.0	ug/L	U	SW6010B
	Potassium	-10.4	1000	5000	ug/L	U	SW6010B
	Sodium	21.6	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1221004
Sequence: 1H22104

Lab Sample ID	Analyte	True	Found	%R	Units
1H22104-IFA1	Calcium	500000	495,800.00	99.2	ug/L
	Lead		2.06		ug/L
	Magnesium	500000	504,420.00	101	ug/L
	Potassium		-18.76		ug/L
	Sodium		47.90		ug/L
1H22104-IFB1	Calcium	500000	494,900.00	99.0	ug/L
	Lead	50.00	49.19	98.4	ug/L
	Magnesium	500000	507,760.00	102	ug/L
	Potassium		-25.15		ug/L
	Sodium		41.48		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 1224003
Sequence: 1H22408

Lab Sample ID	Analyte	True	Found	%R	Units
1H22408-IFA1	Calcium	500000	491,890.00	98.4	ug/L
	Iron (dissolved)	200000	210,710.00	105	ug/L
	Lead		-2.54		ug/L
	Magnesium	500000	496,580.00	99.3	ug/L
	Manganese (dissolved)		-4.60		ug/L
	Potassium		-42.35		ug/L
	Sodium		68.34		ug/L
1H22408-IFB1	Calcium	500000	495,930.00	99.2	ug/L
	Iron (dissolved)	200000	213,900.00	107	ug/L
	Lead	50.00	46.07	92.1	ug/L
	Magnesium	500000	500,100.00	100	ug/L
	Manganese (dissolved)	500.0	495.46	99.1	ug/L
	Potassium		-37.22		ug/L
	Sodium		65.99		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H02003

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	45300	49350	81.1		80 - 120
Lead	250.0	ND	222.0	88.8		80 - 120
Magnesium	5000	5446	10200	95.2		80 - 120
Potassium	5000	2356	7480	102		80 - 120
Sodium	5000	21450	25900	89.0		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	51660	127	4.58		20	80 - 120
Lead	250.0	219.3	87.7	1.22		20	80 - 120
Magnesium	5000	10550	102	3.35		20	80 - 120
Potassium	5000	7575	104	1.26		20	80 - 120
Sodium	5000	26880	108	3.69		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H10007

% Solids:

Source Sample Name: **1107251-02**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1071	107		80 - 120
Manganese (dissolved)	500.0	8.296	514.8	101		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1089	109	1.64		20	80 - 120
Manganese (dissolved)	500.0	510.3	100	0.872		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0145

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 1H02003-PS3
Batch: 1H02003
Lab Source ID: 1107251-01
Preparation: MET_3005A
Initial/Final: 20 mL / 20 mL

Analyte	Spike Sample Result (SSR) (ug/L)	Sample Result (SR) (ug/L)	Spike Added (SA) (ug/L)	%R	Control Limit %R
Calcium	51070	45300	5000	115	80 - 120
Lead	241.0	ND	250.0	96.5	80 - 120
Magnesium	10670	5446	5000	104	80 - 120
Potassium	7783	2356	5000	109	80 - 120
Sodium	26790	21450	5000	107	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H02003	Laboratory ID:	1H02003-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	5297	106	80 - 120
Lead	250.0	256.1	102	80 - 120
Magnesium	5000	5124	102	80 - 120
Potassium	5000	5043	101	80 - 120
Sodium	5000	5140	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H05003	Laboratory ID:	1H05003-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	5111	102	80 - 120
Lead	250.0	263.9	106	80 - 120
Magnesium	5000	5052	101	80 - 120
Potassium	5000	4777	95.5	80 - 120
Sodium	5000	4998	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H10007	Laboratory ID:	1H10007-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Iron (dissolved)	1000	1132	113	80 - 120
Manganese (dissolved)	500.0	559.3	112	80 - 120

SERIAL DILUTION

SW6010B

GW0145

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 1H22104
Preparation: MET_3005A

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1H02003-DUP3
Lab Source ID: 1107251-01
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	45295	45955	1.46		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	5445.7	5697	4.61		SW6010B	10.00
Potassium	2356.1	ND			SW6010B	10.00
Sodium	21451	21487	0.168		SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0145

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 1H22408
Preparation: MET_3005A

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1H10007-DUP1
Lab Source ID: 1107251-02
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	8.296	ND			SW6010B	10.00

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** kirtland_021

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

Matrix: Water **Instrument:** ME-ICP

Analyte	MDL	MRL	Units	Method
Calcium	1000	5000	ug/L	SW6010B
Iron (dissolved)	30.0	100	ug/L	SW6010B
Lead	1.50	3.00	ug/L	SW6010B
Magnesium	1000	5000	ug/L	SW6010B
Manganese (dissolved)	3.00	15.0	ug/L	SW6010B
Potassium	1000	5000	ug/L	SW6010B
Sodium	1000	5000	ug/L	SW6010B

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_021

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Lead	220.3	0.0002980	0.0000000	0.0000080	0.0003250	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000140	0.0287450	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_021

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_021

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Lead	220.3	0.0000000	0.0000000	0.0022600	0.0000000	0.0000990
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_021

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.0026440	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_021

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000360
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	-0.0000300
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	330.2	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: kirtland_021

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 9/11/2009

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				
Sodium	330.2	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: kirtland_021

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 09/11/2009

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H02003 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	08/02/11 08:32	50.00	50.00
GW0242	1107209-03	08/02/11 08:32	50.00	50.00
GW0174	1107224-01	08/02/11 08:32	50.00	50.00
GW0175	1107224-03	08/02/11 08:32	50.00	50.00
GW0239	1107224-05	08/02/11 08:32	50.00	50.00
GW0170	1107237-01	08/02/11 08:32	50.00	50.00
GW0171	1107237-03	08/02/11 08:32	50.00	50.00
GW0237	1107237-05	08/02/11 08:32	50.00	50.00
GW0238	1107237-07	08/02/11 08:32	50.00	50.00
GW0145	1107251-01	08/02/11 08:32	50.00	50.00
Blank	1H02003-BLK1	08/02/11 08:32	50.00	50.00
LCS	1H02003-BS1	08/02/11 08:32	50.00	50.00
GW0145	1H02003-DUP3	08/02/11 08:32	50.00	50.00
GW0145	1H02003-MS3	08/02/11 08:32	50.00	50.00
GW0145	1H02003-MSD3	08/02/11 08:32	50.00	50.00
GW0145	1H02003-PS3	08/02/11 08:32	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H05003 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0143	1108004-01	08/05/11 08:39	50.00	50.00
GW0150	1108004-03	08/05/11 08:39	50.00	50.00
GW0233	1108004-05	08/05/11 08:39	50.00	50.00
GW0241	1108004-07	08/05/11 08:39	50.00	50.00
Blank	1H05003-BLK1	08/05/11 08:39	50.00	50.00
LCS	1H05003-BS1	08/05/11 08:39	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H10007 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-02	08/10/11 08:46	50.00	50.00
GW0242	1107209-04	08/10/11 08:46	50.00	50.00
GW0174	1107224-02	08/10/11 08:46	50.00	50.00
GW0175	1107224-04	08/10/11 08:46	50.00	50.00
GW0239	1107224-06	08/10/11 08:46	50.00	50.00
GW0170	1107237-02	08/10/11 08:46	50.00	50.00
GW0171	1107237-04	08/10/11 08:46	50.00	50.00
GW0237	1107237-06	08/10/11 08:46	50.00	50.00
GW0238	1107237-08	08/10/11 08:46	50.00	50.00
GW0145	1107251-02	08/10/11 08:46	50.00	50.00
GW0143	1108004-02	08/10/11 08:46	50.00	50.00
GW0150	1108004-04	08/10/11 08:46	50.00	50.00
GW0233	1108004-06	08/10/11 08:46	50.00	50.00
GW0241	1108004-08	08/10/11 08:46	50.00	50.00
Blank	1H10007-BLK1	08/10/11 08:46	50.00	50.00
LCS	1H10007-BS1	08/10/11 08:46	50.00	50.00
GW0145	1H10007-DUP1	08/10/11 08:46	50.00	50.00
GW0145	1H10007-MS1	08/10/11 08:46	50.00	50.00
GW0145	1H10007-MSD1	08/10/11 08:46	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22104	Instrument:	ME-ICP
Calibration:	1221004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H22104-CAL1	080811A-001	08/08/11 12:28
Cal Standard	1H22104-CAL2	080811A-002	08/08/11 12:32
Cal Standard	1H22104-CAL3	080811A-003	08/08/11 12:36
Cal Standard	1H22104-CAL5	080811A-005	08/08/11 12:45
Cal Standard	1H22104-CAL6	080811A-006	08/08/11 12:50
Cal Standard	1H22104-CAL7	080811A-007	08/08/11 12:56
Cal Standard	1H22104-CAL8	080811A-008	08/08/11 13:01
Initial Cal Check	1H22104-ICV1	080811B-001	08/08/11 13:30
Initial Cal Blank	1H22104-ICB1	080811B-002	08/08/11 13:37
Instrument RL Check	1H22104-CRL1	080811B-003	08/08/11 13:42
Instrument RL Check	1H22104-CRL2	080811B-005	08/08/11 13:51
Interference Check A	1H22104-IFA1	080811B-006	08/08/11 13:56
Interference Check B	1H22104-IFB1	080811B-007	08/08/11 14:02
Calibration Check	1H22104-CCV1	080811B-009	08/08/11 14:13
Calibration Blank	1H22104-CCB1	080811B-010	08/08/11 14:20
Blank	1H02003-BLK1	080811B-011	08/08/11 14:25
LCS	1H02003-BS1	080811B-012	08/08/11 14:29
GW0207	1107209-01	080811B-014	08/08/11 14:40
GW0242	1107209-03	080811B-015	08/08/11 14:45
GW0174	1107224-01	080811B-017	08/08/11 14:54
GW0175	1107224-03	080811B-018	08/08/11 14:59
GW0239	1107224-05	080811B-019	08/08/11 15:03
GW0170	1107237-01	080811B-026	08/08/11 15:36
Calibration Check	1H22104-CCV2	080811B-027	08/08/11 15:42
Calibration Blank	1H22104-CCB2	080811B-028	08/08/11 15:49
GW0171	1107237-03	080811C-001	08/08/11 15:55
GW0237	1107237-05	080811C-002	08/08/11 15:59
GW0238	1107237-07	080811C-003	08/08/11 16:04
GW0145	1107251-01	080811C-013	08/08/11 16:50
GW0145	1H02003-MS3	080811C-014	08/08/11 16:55
GW0145	1H02003-MSD3	080811C-015	08/08/11 16:59
GW0145	1H02003-PS3	080811C-016	08/08/11 17:03

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22104	Instrument:	ME-ICP
Calibration:	1221004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0145	1H02003-DUP3	080811C-017	08/08/11 17:09
Calibration Check	1H22104-CCV3	080811C-018	08/08/11 17:14
Calibration Blank	1H22104-CCB3	080811C-019	08/08/11 17:21

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22408	Instrument:	ME-ICP
Calibration:	1224003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H22408-CAL1	081011A-001	08/10/11 11:27
Cal Standard	1H22408-CAL1	081011A-001	08/10/11 11:27
Cal Standard	1H22408-CAL2	081011A-002	08/10/11 11:31
Cal Standard	1H22408-CAL2	081011A-002	08/10/11 11:31
Cal Standard	1H22408-CAL3	081011A-003	08/10/11 11:35
Cal Standard	1H22408-CAL3	081011A-003	08/10/11 11:35
Cal Standard	1H22408-CAL4	081011A-004	08/10/11 11:39
Cal Standard	1H22408-CAL5	081011A-005	08/10/11 11:44
Cal Standard	1H22408-CAL5	081011A-005	08/10/11 11:44
Cal Standard	1H22408-CAL6	081011A-006	08/10/11 11:49
Cal Standard	1H22408-CAL6	081011A-006	08/10/11 11:49
Cal Standard	1H22408-CAL7	081011A-007	08/10/11 11:54
Cal Standard	1H22408-CAL8	081011A-008	08/10/11 11:59
Initial Cal Check	1H22408-ICV1	081011B-001	08/10/11 12:33
Initial Cal Check	1H22408-ICV1	081011B-001	08/10/11 12:33
Initial Cal Blank	1H22408-ICB1	081011B-002	08/10/11 12:40
Initial Cal Blank	1H22408-ICB1	081011B-002	08/10/11 12:40
Instrument RL Check	1H22408-CRL1	081011B-003	08/10/11 12:45
Instrument RL Check	1H22408-CRL1	081011B-003	08/10/11 12:45
Interference Check A	1H22408-IFA1	081011B-005	08/10/11 12:54
Interference Check A	1H22408-IFA1	081011B-005	08/10/11 12:54
Interference Check B	1H22408-IFB1	081011B-006	08/10/11 13:00
Interference Check B	1H22408-IFB1	081011B-006	08/10/11 13:00
Calibration Check	1H22408-CCV1	081011B-008	08/10/11 13:12
Calibration Check	1H22408-CCV1	081011B-008	08/10/11 13:12
Calibration Blank	1H22408-CCB1	081011B-009	08/10/11 13:20
Calibration Blank	1H22408-CCB1	081011B-009	08/10/11 13:20
Calibration Check	1H22408-CCV6	081011C-055	08/10/11 19:36
Calibration Check	1H22408-CCV6	081011C-055	08/10/11 19:36
Calibration Blank	1H22408-CCB6	081011C-056	08/10/11 19:43
Calibration Blank	1H22408-CCB6	081011C-056	08/10/11 19:43
Blank	1H05003-BLK1	081011C-057	08/10/11 19:48

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22408	Instrument:	ME-ICP
Calibration:	1224003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	1H05003-BS1	081011C-058	08/10/11 19:53
GW0143	1108004-01	081011C-059	08/10/11 19:59
GW0150	1108004-03	081011C-060	08/10/11 20:04
GW0233	1108004-05	081011C-061	08/10/11 20:08
GW0241	1108004-07	081011C-062	08/10/11 20:13
Calibration Check	1H22408-CCV7	081011C-069	08/10/11 20:46
Calibration Check	1H22408-CCV7	081011C-069	08/10/11 20:46
Calibration Blank	1H22408-CCB7	081011C-070	08/10/11 20:54
Calibration Blank	1H22408-CCB7	081011C-070	08/10/11 20:54
Calibration Check	1H22408-CCV8	081011C-085	08/10/11 22:05
Calibration Check	1H22408-CCV8	081011C-085	08/10/11 22:05
Calibration Blank	1H22408-CCB8	081011C-086	08/10/11 22:12
Calibration Blank	1H22408-CCB8	081011C-086	08/10/11 22:12
Blank	1H10007-BLK1	081011C-087	08/10/11 22:17
LCS	1H10007-BS1	081011C-088	08/10/11 22:21
GW0207	1107209-02	081011C-089	08/10/11 22:28
GW0242	1107209-04	081011C-090	08/10/11 22:32
GW0174	1107224-02	081011C-091	08/10/11 22:37
GW0175	1107224-04	081011C-092	08/10/11 22:41
GW0239	1107224-06	081011C-093	08/10/11 22:46
GW0170	1107237-02	081011C-094	08/10/11 22:50
GW0171	1107237-04	081011C-095	08/10/11 22:55
GW0237	1107237-06	081011C-096	08/10/11 23:00
GW0238	1107237-08	081011C-097	08/10/11 23:04
GW0145	1107251-02	081011C-098	08/10/11 23:09
GW0145	1H10007-MS1	081011C-099	08/10/11 23:13
GW0145	1H10007-MSD1	081011C-100	08/10/11 23:18
GW0145	1H10007-DUP1	081011C-101	08/10/11 23:23
Calibration Check	1H22408-CCV9	081011C-102	08/10/11 23:28
Calibration Check	1H22408-CCV9	081011C-102	08/10/11 23:28
Calibration Blank	1H22408-CCB9	081011C-103	08/10/11 23:36
Calibration Blank	1H22408-CCB9	081011C-103	08/10/11 23:36

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22408	Instrument:	ME-ICP
Calibration:	1224003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0143	1108004-02	081011C-104	08/10/11 23:40
GW0150	1108004-04	081011C-105	08/10/11 23:45
GW0233	1108004-06	081011C-106	08/10/11 23:50
GW0241	1108004-08	081011C-107	08/10/11 23:54
Calibration Check	1H22408-CCVA	081011C-112	08/11/11 00:18
Calibration Check	1H22408-CCVA	081011C-112	08/11/11 00:18
Calibration Blank	1H22408-CCBA	081011C-113	08/11/11 00:25
Calibration Blank	1H22408-CCBA	081011C-113	08/11/11 00:25

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1221004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/8/11 12:28 8/8/11 13:01

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	1.867E-05	10000	1.8801E-05			500000	1.87894E-05		
Antimony	0	0	100	0.0006273	1000	6.4979E-04					10000	6.4398E-04
Arsenic	0	0	100	0.000305	1000	3.1674E-04					10000	3.1264E-04
Barium	0	0	50	0.009978	1000	0.0098783	5000	0.0100328				
Beryllium	0	0	100	0.0031252	1000	0.0031323					10000	0.0030427
Boron	0	0	50	0.000017	1000	1.763E-05					5000	1.7346E-05
Cadmium	0	0	100	0.01642	1000	0.016316					10000	0.015469
Calcium	0	0	1100	7.172728E-05	50000	7.0226E-05					10000	
Chromium	0	0	100	0.000051	1000	4.947E-05					10000	5.0121E-05
Cobalt	0	0	100	0.0054399	1000	0.0053228					10000	0.0053943
Copper	0	0	100	0.0000816	1000	7.921999E-05					10000	7.8586E-05
Iron	0	0	5100	2.236667E-05	10000	2.1275E-05			500000	2.0008E-05	10000	
Lead	0	0	100	0.0012782	1000	0.0012392					10000	0.0012567
Magnesium	0	0	5100		50000	2.5768E-06			500000	2.5806E-06	10000	
Manganese	0	0	100	0.0002805	1000	2.7266E-04	10000	2.6379E-04			10000	
Molybdenum	0	0	100	0.003421	1000	0.0034645					10000	0.0034609
Nickel	0	0	100	0.003137	1000	0.0031182					10000	0.0031511
Potassium	0	0	1000	7.65E-06	10000	9.388E-06						
Selenium	0	0	100	0.0003629	1000	3.5876E-04					10000	3.5192E-04
Silver	0	0	20	0.000055	500	5.344E-05	2000	5.4845E-05				
Sodium	0	0	1000		50000	4.3464E-05						
Strontium	0	0	100	0.001719	1000	0.001699					10000	0.001685
Thallium	0	0	100	0.0007524	1000	7.4397E-04					10000	7.4784E-04
Tin	0	0	50	0.0011232	1000	0.0011252					5000	1.12686E-03
Titanium	0	0	100	0.0002461	1000	2.4049E-04					10000	2.4169E-04
Vanadium	0	0	100	0.0000499	1000	4.907E-05					10000	4.953E-05
Zinc	0	0	100	0.0055905	1000	0.0055304					10000	0.0054675

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1221004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/8/11 12:28 8/8/11 13:01

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	6.747E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.4658E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.5702E-06										
Selenium												
Silver												
Sodium	100000	4.265E-05	500000	4.2438E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_021	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1221004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/8/11 12:28	8/8/11 13:01

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.40651E-05	66.668	13.98056	193.8042	1		0.998	
Antimony	4.802675E-04	66.6962	1.749255	132.6594	0.9999988		0.998	
Arsenic	2.33595E-04	66.69919	15.32489	193.555	0.9999978		0.998	
Barium	7.472275E-03	66.67216	1.283725	173.677	0.9999894		0.998	
Beryllium	2.32505E-03	66.68961	104.2002	199.4749	0.9999919		0.998	
Boron	1.2994E-05	66.69614	4.67615	163.4329	0.9999885		0.998	
Cadmium	1.205125E-02	66.76028	3.970048	186.3303	0.9999726		0.998	
Calcium	5.235582E-05	66.75166	1.201895	113.459	0.9999839		0.998	
Chromium	3.764775E-05	66.68746	13.26367	186.1835	0.9999981		0.998	
Cobalt	4.03925E-03	66.67735	1.00732	145.6517	0.999998		0.998	
Copper	5.98515E-05	66.7019	1.814562	80.74714	0.9999997		0.998	
Iron	1.591242E-05	66.94124	14.17542	192.4269	0.9999986		0.998	
Lead	9.43525E-04	66.6881	11.27145	196.0003	0.9999977		0.998	
Magnesium	1.9058E-06	66.72518	677.5569	199.8989	0.9999101		0.998	
Manganese	2.042375E-04	66.75039	3.26239	135.9396	0.9999902		0.998	
Molybdenum	0.0025866	66.67103	14.93645	194.8991	1		0.998	
Nickel	2.351575E-03	66.66913	3.55281	183.1341	0.999999		0.998	
Potassium	6.65205E-06	67.9243	1.057565	82.79443	0.9999999		0.998	
Selenium	2.68395E-04	66.68801	8.336097	187.951	0.9999972		0.998	
Silver	4.082125E-05	66.68882	6.41793	177.1234	0.999952		0.998	
Sodium	3.2138E-05	66.68087	11.50131	193.0901	0.9999949		0.998	
Strontium	1.27575E-03	66.67564	6.567275	183.7279	0.9999994		0.998	
Thallium	5.610525E-04	66.66949	7.4718	186.99	0.9999997		0.998	
Tin	8.43815E-04	66.66691	22.03209	195.5711	0.9999999		0.998	
Titanium	1.8207E-04	66.67983	1.391745	179.0501	0.9999996		0.998	
Vanadium	3.7125E-05	66.67294	4.330712	159.8245	0.999999		0.998	
Zinc	0.0041471	66.67767	1.792308	161.0134	0.999999		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/10/11 11:27 8/10/11 11:59

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	1.889E-05	10000	1.8997E-05			500000	1.89616E-05		
Antimony	0	0	100	0.0006475	1000	6.737401E-04					10000	6.5638E-04
Arsenic	0	0	100	0.0003044	1000	3.1912E-04					10000	3.1211E-04
Barium	0	0	50	0.0104154	1000	0.010396	5000	0.0105476				
Beryllium	0	0	100	0.0031883	1000	0.003235					10000	0.0030851
Boron	0	0	50	0.0000172	1000	1.771E-05					5000	1.727E-05
Cadmium	0	0	100	0.016593	1000	0.016592					10000	0.015594
Calcium	0	0	1100	0.000072	50000	7.0918E-05					10000	
Chromium	0	0	100	0.0000527	1000	0.0000516					10000	5.0959E-05
Cobalt	0	0	100	0.0055903	1000	0.005502					10000	0.0055234
Copper	0	0	100	0.000083	1000	8.037E-05					10000	7.9801E-05
Iron	0	0	5100	2.285882E-05	10000	2.2164E-05			500000	2.0348E-05	10000	
Lead	0	0	100	0.0013265	1000	0.0012917					10000	0.0012951
Magnesium	0	0	5100		50000	2.664E-06			500000	2.6288E-06	10000	
Manganese	0	0	100	0.0002776	1000	2.7152E-04	10000	2.6375E-04			10000	
Molybdenum	0	0	100	0.0034645	1000	0.0035374					10000	0.0034943
Nickel	0	0	100	0.0031776	1000	0.0031792					10000	0.0031874
Potassium	0	0	1000	7.799999E-06	10000	9.104E-06						
Selenium	0	0	100	0.0003605	1000	0.0003631					10000	3.5264E-04
Silver	0	0	20	0.0000545	500	5.436E-05	2000	5.5615E-05				
Sodium	0	0	1000		50000	4.338E-05						
Strontium	0	0	100	0.00177	1000	0.001767					10000	0.001715
Thallium	0	0	100	7.571999E-04	1000	7.6039E-04					10000	7.5985E-04
Tin	0	0	50	0.0011234	1000	0.001144					5000	1.13438E-03
Titanium	0	0	100	0.0002521	1000	2.4792E-04					10000	0.0002462
Vanadium	0	0	100	0.0000498	1000	4.941E-05					10000	4.9169E-05
Zinc	0	0	100	0.0055104	1000	0.0055241					10000	0.0054813
Aluminum	0	0	5000	1.889E-05	10000	1.8997E-05			500000	1.89616E-05		
Antimony	0	0	100	0.0006475	1000	6.737401E-04					10000	6.5638E-04
Arsenic	0	0	100	0.0003044	1000	3.1912E-04					10000	3.1211E-04
Barium	0	0	50	0.0104154	1000	0.010396	5000	0.0105476				

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/10/11 11:27 8/10/11 11:59

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium	0	0	100	0.0031883	1000	0.003235					10000	0.0030851
Boron	0	0	50	0.0000172	1000	1.771E-05					5000	1.727E-05
Cadmium	0	0	100	0.016593	1000	0.016592					10000	0.015594
Calcium	0	0	1100	0.000072	50000	7.0918E-05					10000	
Chromium	0	0	100	0.0000527	1000	0.0000516					10000	5.0959E-05
Cobalt	0	0	100	0.0055903	1000	0.005502					10000	0.0055234
Copper	0	0	100	0.000083	1000	8.037E-05					10000	7.9801E-05
Iron	0	0	5100	2.285882E-05	10000	2.2164E-05			500000	2.0348E-05	10000	
Lead	0	0	100	0.0013265	1000	0.0012917					10000	0.0012951
Magnesium	0	0	5100		50000	2.664E-06			500000	2.6288E-06	10000	
Manganese	0	0	100	0.0002776	1000	2.7152E-04	10000	2.6375E-04			10000	
Molybdenum	0	0	100	0.0034645	1000	0.0035374					10000	0.0034943
Nickel	0	0	100	0.0031776	1000	0.0031792					10000	0.0031874
Potassium	0	0	1000	7.799999E-06	10000	9.104E-06						
Selenium	0	0	100	0.0003605	1000	0.0003631					10000	3.5264E-04
Silver	0	0	20	0.0000545	500	5.436E-05	2000	5.5615E-05				
Sodium	0	0	1000		50000	4.338E-05						
Strontium	0	0	100	0.00177	1000	0.001767					10000	0.001715
Thallium	0	0	100	7.571999E-04	1000	7.6039E-04					10000	7.5985E-04
Tin	0	0	50	0.0011234	1000	0.001144					5000	1.13438E-03
Titanium	0	0	100	0.0002521	1000	2.4792E-04					10000	0.0002462
Vanadium	0	0	100	0.0000498	1000	4.941E-05					10000	4.9169E-05
Zinc	0	0	100	0.0055104	1000	0.0055241					10000	0.0054813

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/10/11 11:27 8/10/11 11:59

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	6.8016E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.5546E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.417799E-06										
Selenium												
Silver												
Sodium	100000	4.2871E-05	500000	4.2956E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												
Aluminum												
Antimony												
Arsenic												
Barium												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/10/11 11:27 8/10/11 11:59

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	6.8016E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.5546E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	9.417799E-06										
Selenium												
Silver												
Sodium	100000	4.2871E-05	500000	4.2956E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	1224003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	8/10/11 11:27 8/10/11 11:59

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.421215E-05	66.6674	23.4533	196.3785	1		0.998	
Antimony	4.94405E-04	66.7031	11.73131	194.223	0.9999924		0.998	
Arsenic	2.339075E-04	66.71619	10.96811	193.068	0.9999942		0.998	
Barium	7.83975E-03	66.67221	1.429808	183.6476	0.999991		0.998	
Beryllium	0.0023771	66.71871	29.67491	194.3244	0.9999776		0.998	
Boron	1.3045E-05	66.68912	7.543073	184.2066	0.9999725		0.998	
Cadmium	1.219475E-02	66.77831	4.19736	177.6842	0.9999622		0.998	
Calcium	5.27335E-05	66.74293	1.599535	152.8529	0.9999823		0.998	
Chromium	3.881475E-05	66.6924	7.793872	178.565	0.9999986		0.998	
Cobalt	4.153925E-03	66.67281	0.83546	156.4913	0.9999998		0.998	
Copper	6.079275E-05	66.70606	1.72503	158.3109	0.9999998		0.998	
Iron	1.634271E-05	66.98057	14.21652	191.0203	0.9999977		0.998	
Lead	9.78325E-04	66.68589	6.91311	192.8238	0.9999998		0.998	
Magnesium	1.96185E-06	66.70717	170.8239	199.7285	0.9999542		0.998	
Manganese	2.032175E-04	66.72499	6.10833	183.4806	0.9999925		0.998	
Molybdenum	2.62405E-03	66.67642	13.03506	194.0269	0.9999984		0.998	
Nickel	2.38605E-03	66.66691	4.079552	186.8999	1		0.998	
Potassium	6.58045E-06	67.51118	5.32752	151.6068	0.9999961		0.998	
Selenium	2.6906E-04	66.68715	5.690432	187.0121	0.9999924		0.998	
Silver	4.111875E-05	66.68065	8.907568	177.4533	0.9999635		0.998	
Sodium	3.230175E-05	66.67023	3.988287	170.7156	0.9999985		0.998	
Strontium	0.001313	66.6944	4.491625	172.4965	0.9999915		0.998	
Thallium	5.6936E-04	66.66712	5.997188	190.0975	0.9999999		0.998	
Tin	8.50445E-04	66.67401	32.78016	198.1277	0.9999966		0.998	
Titanium	1.86555E-04	66.67989	5.166728	184.8401	0.9999997		0.998	
Vanadium	3.709475E-05	66.67035	3.299587	167.5109	0.9999998		0.998	
Zinc	4.12895E-03	66.66806	5.305292	188.3498	0.9999995		0.998	
Aluminum	1.421215E-05	66.6674	23.4533	196.3785	1		0.998	
Antimony	4.94405E-04	66.7031	11.73131	194.223	0.9999924		0.998	
Arsenic	2.339075E-04	66.71619	10.96811	193.068	0.9999942		0.998	
Barium	7.83975E-03	66.67221	1.429808	183.6476	0.999991		0.998	
Beryllium	0.0023771	66.71871	29.67491	194.3244	0.9999776		0.998	

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	kirtland_021	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	1224003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	8/10/11 11:27	8/10/11 11:59

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Boron	1.3045E-05	66.68912	7.543073	184.2066	0.9999725		0.998	
Cadmium	1.219475E-02	66.77831	4.19736	177.6842	0.9999622		0.998	
Calcium	5.27335E-05	66.74293	1.599535	152.8529	0.9999823		0.998	
Chromium	3.881475E-05	66.6924	7.793872	178.565	0.9999986		0.998	
Cobalt	4.153925E-03	66.67281	0.83546	156.4913	0.9999998		0.998	
Copper	6.079275E-05	66.70606	1.72503	158.3109	0.9999998		0.998	
Iron	1.634271E-05	66.98057	14.21652	191.0203	0.9999977		0.998	
Lead	9.78325E-04	66.68589	6.91311	192.8238	0.9999998		0.998	
Magnesium	1.96185E-06	66.70717	170.8239	199.7285	0.9999542		0.998	
Manganese	2.032175E-04	66.72499	6.10833	183.4806	0.9999925		0.998	
Molybdenum	2.62405E-03	66.67642	13.03506	194.0269	0.9999984		0.998	
Nickel	2.38605E-03	66.66691	4.079552	186.8999	1		0.998	
Potassium	6.58045E-06	67.51118	5.32752	151.6068	0.9999961		0.998	
Selenium	2.6906E-04	66.68715	5.690432	187.0121	0.9999924		0.998	
Silver	4.111875E-05	66.68065	8.907568	177.4533	0.9999635		0.998	
Sodium	3.230175E-05	66.67023	3.988287	170.7156	0.9999985		0.998	
Strontium	0.001313	66.6944	4.491625	172.4965	0.9999915		0.998	
Thallium	5.6936E-04	66.66712	5.997188	190.0975	0.9999999		0.998	
Tin	8.50445E-04	66.67401	32.78016	198.1277	0.9999966		0.998	
Titanium	1.86555E-04	66.67989	5.166728	184.8401	0.9999997		0.998	
Vanadium	3.709475E-05	66.67035	3.299587	167.5109	0.9999998		0.998	
Zinc	4.12895E-03	66.66806	5.305292	188.3498	0.9999995		0.998	

Data for Wet Chemistry Forms

ANALYSIS DATA SHEET

GW0207

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-01
Sampled:	07/25/11 14:37	Received:	07/26/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.200	0.200	0.300	1	M X U	SM4500NH3BG	1H02013	08/03/11 16:18
18496-25-8	Sulfide		0.690	1.72	3.45	0.69	U	SM4500S2CF	1G28013	07/28/11 17:35
10-09-3	Alkalinity, Bicarbonate (as CACO3)	101	1.00	1.00	1.00	1		SM2320B	1H08001	08/08/11 09:55
16887-00-6	Chloride	7.13	0.170	0.330	1.00	1	M	E300.0	1H02015	08/02/11 21:40
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1G29005	07/29/11 11:41
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H08001	08/08/11 09:55
14808-79-8	Sulfate as SO4	26.8	0.330	1.00	2.50	1	M	E300.0	1H02015	08/02/11 21:40

ANALYSIS DATA SHEET

GW0242

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107209-03
Sampled:	07/25/11 11:00	Received:	07/26/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.200	0.200	0.300	1	X M U	SM4500NH3BG	1H02013	08/03/11 16:19
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U	SM4500S2CF	1G28013	07/28/11 17:36
10-09-3	Alkalinity, Bicarbonate (as CACO3)	95.3	1.00	1.00	1.00	1		SM2320B	1H08001	08/08/11 10:10
16887-00-6	Chloride	13.9	0.170	0.330	1.00	1	M	E300.0	1H02015	08/02/11 22:32
NA	Nitrate/Nitrite as N	0.768	0.250	0.750	1.50	1	J	E353.2	1G29005	07/29/11 11:42
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H08001	08/08/11 10:10
14808-79-8	Sulfate as SO4	34.8	0.330	1.00	2.50	1	M	E300.0	1H02015	08/02/11 22:32

ANALYSIS DATA SHEET

GW0174

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 07/26/11 12:56
% Solids: 0.00

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1107224-01
Received: 07/27/11 09:00

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.160	0.160	0.300	1	X M U	SM4500NH3BG	1H02013	08/03/11 16:33
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U N	SM4500S2CF	1H02010	08/02/11 14:14
10-09-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	1H08001	08/08/11 10:20
16887-00-6	Chloride	6.88	0.170	0.330	1.00	1	M	E300.0	1H02015	08/02/11 23:42
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1G29005	07/29/11 11:44
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H08001	08/08/11 10:20
14808-79-8	Sulfate as SO4	26.5	0.330	1.00	2.50	1	M	E300.0	1H02015	08/02/11 23:42

ANALYSIS DATA SHEET

GW0175

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-03
Sampled:	07/26/11 10:27	Received:	07/27/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	X U	SM4500NH3BG	1H02013	08/03/11 16:34
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U N	SM4500S2CF	1H02010	08/02/11 14:15
10-09-3	Alkalinity, Bicarbonate (as CACO3)	102	1.00	1.00	1.00	1		SM2320B	1H08001	08/08/11 10:35
16887-00-6	Chloride	6.37	0.170	0.330	1.00	1	M	E300.0	1H02015	08/02/11 23:59
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1G29005	07/29/11 11:45
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H08001	08/08/11 10:35
14808-79-8	Sulfate as SO4	25.9	0.330	1.00	2.50	1	M	E300.0	1H02015	08/02/11 23:59

ANALYSIS DATA SHEET

GW0239

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107224-05
Sampled:	07/26/11 12:23	Received:	07/27/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:20
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U N	SM4500S2CF	1H02010	08/02/11 14:16
10-09-3	Alkalinity, Bicarbonate (as CACO3)	96.1	1.00	1.00	1.00	1		SM2320B	1H08001	08/08/11 10:50
16887-00-6	Chloride	14.8	0.170	0.330	1.00	1	M	E300.0	1H02015	08/03/11 00:17
NA	Nitrate/Nitrite as N	0.829	0.250	0.750	1.50	1	J	E353.2	1G29005	07/29/11 11:47
13-01-4	Alkalinity, Carbonate (as CACO3)	4.99	1.00	1.00	1.00	1		SM2320B	1H08001	08/08/11 10:50
14808-79-8	Sulfate as SO4	34.6	0.330	1.00	2.50	1	M	E300.0	1H02015	08/03/11 00:17

ANALYSIS DATA SHEET

GW0170

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-01
Sampled:	07/27/11 12:46	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:21
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U N	SM4500S2CF	1H02010	08/02/11 14:18
10-09-3	Alkalinity, Bicarbonate (as CACO3)	95.4	1.00	1.00	1.00	1		SM2320B	1H10002	08/10/11 09:25
16887-00-6	Chloride	52.5	0.170	0.330	1.00	1	M	E300.0	1H02015	08/03/11 00:34
NA	Nitrate/Nitrite as N	0.944	0.250	0.750	1.50	1	J	E353.2	1G29010	07/29/11 11:58
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H10002	08/10/11 09:25
14808-79-8	Sulfate as SO4	47.5	0.330	1.00	2.50	1	M	E300.0	1H02015	08/03/11 00:34

ANALYSIS DATA SHEET

GW0171

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-03
Sampled:	07/27/11 12:46	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:22
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U N	SM4500S2CF	1H02010	08/02/11 14:19
10-09-3	Alkalinity, Bicarbonate (as CACO3)	98.8	1.00	1.00	1.00	1		SM2320B	1H10002	08/10/11 09:40
16887-00-6	Chloride	52.4	0.170	0.330	1.00	1	M	E300.0	1H02015	08/03/11 00:52
NA	Nitrate/Nitrite as N	0.973	0.250	0.750	1.50	1	J	E353.2	1G29010	07/29/11 12:00
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H10002	08/10/11 09:40
14808-79-8	Sulfate as SO4	47.5	0.330	1.00	2.50	1	M	E300.0	1H02015	08/03/11 00:52

ANALYSIS DATA SHEET

GW0237

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-05
Sampled:	07/27/11 16:12	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:23
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U N	SM4500S2CF	1H02010	08/02/11 14:20
10-09-3	Alkalinity, Bicarbonate (as CACO3)	76.0	1.00	1.00	1.00	1		SM2320B	1H10002	08/10/11 09:53
16887-00-6	Chloride	32.2	0.170	0.330	1.00	1	M	E300.0	1H02015	08/03/11 01:09
NA	Nitrate/Nitrite as N	2.03	0.250	0.750	1.50	1		E353.2	1G29010	07/29/11 12:01
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H10002	08/10/11 09:53
14808-79-8	Sulfate as SO4	65.2	0.330	1.00	2.50	1	M	E300.0	1H02015	08/03/11 01:09

ANALYSIS DATA SHEET

GW0238

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107237-07
Sampled:	07/27/11 16:12	Received:	07/28/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:26
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U N	SM4500S2CF	1H02010	08/02/11 14:21
10-09-3	Alkalinity, Bicarbonate (as CACO3)	80.6	1.00	1.00	1.00	1		SM2320B	1H10002	08/10/11 10:05
16887-00-6	Chloride	32.2	0.170	0.330	1.00	1	M	E300.0	1H02015	08/03/11 02:01
NA	Nitrate/Nitrite as N	1.99	0.250	0.750	1.50	1		E353.2	1G29010	07/29/11 12:03
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H10002	08/10/11 10:05
14808-79-8	Sulfate as SO4	65.0	0.330	1.00	2.50	1	M	E300.0	1H02015	08/03/11 02:01

ANALYSIS DATA SHEET

GW0145

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1107251-01
Sampled:	07/28/11 13:56	Received:	07/29/11 09:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:27
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U N	SM4500S2CF	1H02010	08/02/11 14:22
10-09-3	Alkalinity, Bicarbonate (as CACO3)	101	1.00	1.00	1.00	1		SM2320B	1H10002	08/10/11 10:15
16887-00-6	Chloride	19.2	0.170	0.330	1.00	1	M	E300.0	1H02015	08/03/11 02:19
NA	Nitrate/Nitrite as N	0.393	0.250	0.750	1.50	1	J	E353.2	1H16004	08/16/11 11:21
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H10002	08/10/11 10:15
14808-79-8	Sulfate as SO4	26.8	0.330	1.00	2.50	1	M	E300.0	1H02015	08/03/11 02:19

ANALYSIS DATA SHEET

GW0143

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-01
Sampled:	07/29/11 13:58	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:30
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U N	SM4500S2CF	1H02010	08/02/11 14:23
10-09-3	Alkalinity, Bicarbonate (as CACO3)	151	1.00	1.00	1.00	1		SM2320B	1H12003	08/12/11 09:30
16887-00-6	Chloride	139	0.340	0.660	2.00	2	M D	E300.0	1H11017	08/12/11 00:49
NA	Nitrate/Nitrite as N	4.18	0.250	0.750	1.50	1		E353.2	1H16004	08/16/11 11:26
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H12003	08/12/11 09:30
14808-79-8	Sulfate as SO4	167	0.660	2.00	5.00	2	M D	E300.0	1H11017	08/12/11 00:49

ANALYSIS DATA SHEET

GW0150

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-03
Sampled:	07/29/11 14:40	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:31
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U N	SM4500S2CF	1H02010	08/02/11 14:24
10-09-3	Alkalinity, Bicarbonate (as CACO3)	114	1.00	1.00	1.00	1		SM2320B	1H12003	08/12/11 10:30
16887-00-6	Chloride	27.8	0.170	0.330	1.00	1	M	E300.0	1H04010	08/04/11 20:26
NA	Nitrate/Nitrite as N	0.417	0.250	0.750	1.50	1	J	E353.2	1H16004	08/16/11 11:27
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H12003	08/12/11 10:30
14808-79-8	Sulfate as SO4	52.8	0.330	1.00	2.50	1	M	E300.0	1H04010	08/04/11 20:26

ANALYSIS DATA SHEET

GW0233

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-05
Sampled:	07/29/11 10:37	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:32
18496-25-8	Sulfide		0.741	1.85	3.70	0.74	U N	SM4500S2CF	1H02010	08/02/11 14:26
10-09-3	Alkalinity, Bicarbonate (as CACO3)	166	1.00	1.00	1.00	1		SM2320B	1H12003	08/12/11 10:45
16887-00-6	Chloride	28.5	0.170	0.330	1.00	1	M	E300.0	1H04010	08/04/11 20:43
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	1H16004	08/16/11 11:29
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H12003	08/12/11 10:45
14808-79-8	Sulfate as SO4	36.4	0.330	1.00	2.50	1	M	E300.0	1H04010	08/04/11 20:43

ANALYSIS DATA SHEET

GW0241

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1108004-07
Sampled:	07/29/11 11:37	Received:	07/30/11 11:00
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	1H09001	08/09/11 15:33
18496-25-8	Sulfide		0.678	1.69	3.39	0.68	U N	SM4500S2CF	1H02010	08/02/11 14:27
10-09-3	Alkalinity, Bicarbonate (as CACO3)	82.0	1.00	1.00	1.00	1		SM2320B	1H12003	08/12/11 10:55
16887-00-6	Chloride	97.9	0.340	0.660	2.00	2	M D	E300.0	1H11017	08/12/11 01:06
NA	Nitrate/Nitrite as N	3.26	0.250	0.750	1.50	1		E353.2	1H16004	08/16/11 11:30
13-01-4	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	1H12003	08/12/11 10:55
14808-79-8	Sulfate as SO4	154	0.660	2.00	5.00	2	M D	E300.0	1H11017	08/12/11 01:06

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: kirtland_021
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1E12407

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1E12407-ICV1	Chloride	4.800	4.757	99.1	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.63	98.5	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: kirtland_021
Project: Kirtland AFB 2011
Calibration: 1210004
Sequence: 1G21035

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1G21035-ICV1	Nitrate/Nitrite as N	1.200	1.207	101	mg/L	+/- 10.00%
1G21035-CCV1	Nitrate/Nitrite as N	1.200	1.180	98.3	mg/L	+/- 10.00%
1G21035-CCV2	Nitrate/Nitrite as N	1.200	1.181	98.4	mg/L	+/- 10.00%
1G21035-CCV3	Nitrate/Nitrite as N	1.200	1.165	97.1	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_021
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1H21702

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H21702-CCV1	Chloride	25.00	24.51	98.0	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.29	97.1	mg/L	+/- 10.00%
1H21702-CCV2	Chloride	25.00	24.37	97.5	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.29	97.2	mg/L	+/- 10.00%
1H21702-CCV3	Chloride	25.00	24.16	96.6	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.02	96.1	mg/L	+/- 10.00%
1H21702-CCV4	Chloride	25.00	24.08	96.3	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.95	95.8	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: kirtland_021
Project: Kirtland AFB 2011
Calibration: 1220002
Sequence: 1H22004

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22004-ICV1	**Ammonia as N**	**2.000**	**2.221**	**111**	**mg/L**	+/- 10.00%
1H22004-CCV1	Ammonia as N	2.000	2.185	109	mg/L	+/- 10.00%
1H22004-CCV2	**Ammonia as N**	**2.000**	**2.238**	**112**	**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_021
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1H22106

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22106-CCV1	Chloride	25.00	24.36	97.5	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.25	97.0	mg/L	+/- 10.00%
1H22106-CCV2	Chloride	25.00	24.60	98.4	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.48	97.9	mg/L	+/- 10.00%
1H22106-CCV3	Chloride	25.00	24.56	98.3	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.42	97.7	mg/L	+/- 10.00%
1H22106-CCV4	Chloride	25.00	24.52	98.1	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.16	96.7	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_021
Project: Kirtland AFB 2011
Calibration: 1221005
Sequence: 1H22110

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22110-ICV1	Ammonia as N	2.000	2.161	108	mg/L	+/- 10.00%
1H22110-CCV1	Ammonia as N	2.000	2.150	108	mg/L	+/- 10.00%
1H22110-CCV2	Ammonia as N	2.000	2.194	110	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_021
Project: Kirtland AFB 2011
Calibration: 1124002
Sequence: 1H22407

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22407-CCV1	Chloride	25.00	24.27	97.1	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	23.83	95.3	mg/L	+/- 10.00%
1H22407-CCV2	Chloride	25.00	24.49	98.0	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.44	97.8	mg/L	+/- 10.00%
1H22407-CCV3	Chloride	25.00	24.59	98.4	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.28	97.1	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_021
Project: Kirtland AFB 2011
Calibration: 1228001
Sequence: 1H22806

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
1H22806-ICV1	Nitrate/Nitrite as N	1.200	1.201	100	mg/L	+/- 10.00%
1H22806-CCV1	Nitrate/Nitrite as N	1.200	1.155	96.2	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1H21702

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H21702-CRL1	Chloride	1.000	0.8050	80.5	mg/L	75 - 125
1H21702-CRL2	Sulfate as SO4	2.500	2.145	85.8	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1H22106

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H22106-CRL1	Chloride	1.000	0.7760	77.6	mg/L	75 - 125
1H22106-CRL2	Sulfate as SO4	2.500	2.169	86.8	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 1124002

Sequence: 1H22407

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
1H22407-CRL1	Chloride	1.000	0.8200	82.0	mg/L	75 - 125
1H22407-CRL2	Sulfate as SO4	2.500	2.191	87.6	mg/L	75 - 125

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1G28013

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1G28013-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1G29005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1G29005-BLK1	Nitrate/Nitrite as N	-0.0159	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1G29010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1G29010-BLK1	Nitrate/Nitrite as N	0.0216	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H02010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H02010-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H02013

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H02013-BLK1	Ammonia as N	-0.148	0.110	0.300	mg/L	J	SM4500NH3BG

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H02015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H02015-BLK1	Chloride	-0.0520	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H04010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H04010-BLK1	Chloride	0.132	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	-0.132	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H08001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H08001-BLK1	Alkalinity, Total (as CACO3)	-0.416	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H09001

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H09001-BLK1	Ammonia as N	-0.0273	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H10002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H10002-BLK1	Alkalinity, Total (as CACO3)	-0.760	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H11017

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H11017-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_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H12003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H12003-BLK1	Alkalinity, Total (as CACO3)	-0.416	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 1H16004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H16004-BLK1	Nitrate/Nitrite as N	-0.0165	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1E12407
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1E12407-ICB1	Chloride	-0.1530	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1G21035
Calibration: 1210004
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1G21035-ICB1	Nitrate/Nitrite as N	0.008915	0.0500	0.300	mg/L	U	E353.2
1G21035-CCB1	Nitrate/Nitrite as N	0.0134	0.0500	0.300	mg/L	U	E353.2
1G21035-CCB2	Nitrate/Nitrite as N	-0.00121	0.0500	0.300	mg/L	U	E353.2
1G21035-CCB3	Nitrate/Nitrite as N	0.00799	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H21702
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H21702-CCB1	Chloride	0.0980	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	-0.169	0.330	2.00	mg/L	U	E300.0
1H21702-CCB2	Chloride	0.299	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	-0.103	0.330	2.00	mg/L	U	E300.0
1H21702-CCB3	Chloride	-0.0520	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H21702-CCB4	Chloride	-0.0530	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H22004
Calibration: 1220002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22004-ICB1	Ammonia as N	-0.008711	0.110	0.300	mg/L	U	SM4500NH3BG
1H22004-CCB1	Ammonia as N	-0.00611	0.110	0.300	mg/L	U	SM4500NH3BG
1H22004-CCB2	Ammonia as N	-0.0247	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H22106
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22106-CCB1	Chloride	-0.00800	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H22106-CCB2	Chloride	0.135	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H22106-CCB3	Chloride	0.326	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	-0.0870	0.330	2.00	mg/L	U	E300.0
1H22106-CCB4	Chloride	0.480	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	-0.0690	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H22110
Calibration: 1221005
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22110-ICB1	Ammonia as N	-0.01655	0.110	0.300	mg/L	U	SM4500NH3BG
1H22110-CCB1	Ammonia as N	-0.0134	0.110	0.300	mg/L	U	SM4500NH3BG
1H22110-CCB2	Ammonia as N	-0.0164	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H22407
Calibration: 1124002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22407-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
1H22407-CCB2	Chloride	-0.160	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
1H22407-CCB3	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 1H22806
Calibration: 1228001
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
1H22806-ICB1	Nitrate/Nitrite as N	-0.007947	0.0500	0.300	mg/L	U	E353.2
1H22806-CCB1	Nitrate/Nitrite as N	-0.00828	0.0500	0.300	mg/L	U	E353.2

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0239

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1G29005

% Solids:

Source Sample Name: **1107224-05**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	0.8290	3.148	92.8		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	3.122	91.7	0.829		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H02010

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1160	ND	786.7	67.8	N	75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1160	727.7	62.7	7.79	N	20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0242

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H02015

% Solids:

Source Sample Name: **1107209-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	13.90	41.36	98.9		80 - 120
Sulfate as SO4	27.78	34.84	62.18	98.4		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	41.48	99.3	0.279		20	80 - 120
Sulfate as SO4	27.78	62.27	98.7	0.143		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H02015

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	19.19	46.71	99.1		80 - 120
Sulfate as SO4	27.78	26.80	54.33	99.1		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS	
						RPD	REC.
Chloride	27.78	46.58	98.6	0.267		20	80 - 120
Sulfate as SO4	27.78	54.02	98.0	0.574		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0207

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H08001

% Solids:

Source Sample Name: **1107209-01**

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	101.1	223.3	110		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	227.4	114	1.85		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H09001

% Solids:

Source Sample Name: **1107251-01**

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	4.828	96.6		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	4.592	91.8	5.01		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H10002

% Solids:

Source Sample Name: **1107251-01**

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	100.7	212.8	101		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	212.4	101	0.199		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0143

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H12003

% Solids:

Source Sample Name: **1108004-01**

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	151.0	266.2	104		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Alkalinity, Total (as CACO3)	111.1	265.8	103	0.174		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0145

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 1H16004

% Solids:

Source Sample Name: **1107251-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	0.3928	2.832	97.6		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	2.828	97.4	0.159		20	80 - 120

GW0242

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 1H02015
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0242

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1H02015-DUP1
Lab Source ID: 1107209-03
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	13.9	14.03	0.945		E300.0
Sulfate as SO4	20	34.8	35.12	0.809		E300.0

GW0145

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 1H02015
Preparation: WC_PREP_ANIONS_W
Source Sample Name: GW0145

SDG: kirtland_021
Project: Kirtland AFB 2011
Laboratory ID: 1H02015-DUP2
Lab Source ID: 1107251-01
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	19.2	19.03	0.832		E300.0
Sulfate as SO4	20	26.8	26.60	0.753		E300.0

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G28013	Laboratory ID:	1G28013-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	1017	87.7	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1160	1084	93.4	6.34	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G29005	Laboratory ID:	1G29005-BS1
Preparation:	pNone	Initial/Final:	2 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	16.30	14.07	86.3	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1G29010	Laboratory ID:	1G29010-BS1
Preparation:	pNone	Initial/Final:	2 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	16.30	14.09	86.4	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H02010	Laboratory ID:	1H02010-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	966.7	83.3	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H02013	Laboratory ID:	1H02013-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	5.169	103	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H02015	Laboratory ID:	1H02015-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.703	98.0	90 - 110
Sulfate as SO4	24.00	23.61	98.4	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H04010	Laboratory ID:	1H04010-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.758	99.1	90 - 110
Sulfate as SO4	24.00	23.65	98.5	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H08001	Laboratory ID:	1H08001-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	1038	104	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H09001	Laboratory ID:	1H09001-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	4.789	95.8	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H10002	Laboratory ID:	1H10002-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	961.4	96.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H11017	Laboratory ID:	1H11017-BS1
Preparation:	WC_PREP_ANIONS_W	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.755	99.1	90 - 110
Sulfate as SO4	24.00	23.06	96.1	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H12003	Laboratory ID:	1H12003-BS1
Preparation:	pNone	Initial/Final:	5 mL / 25 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Alkalinity, Total (as CACO3)	1000	1015	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	1H16004	Laboratory ID:	1H16004-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	32.00	30.08	94.0	80 - 120

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** kirtland_021

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

Matrix: Water **Instrument:**

Analyte	MDL	MRL	Units	Method
Alkalinity, Bicarbonate (as CACO3)	1.00	1.00	mg/L	SM2320B
Alkalinity, Carbonate (as CACO3)	1.00	1.00	mg/L	SM2320B
Sulfide	0.800	4.00	mg/L	SM4500S2CF

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC **SDG:** kirtland_021

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

Matrix: Water **Instrument:** WC-IC

Analyte	MDL	MRL	Units	Method
Chloride	0.170	0.500	mg/L	E300.0
Sulfate as SO4	0.330	2.00	mg/L	E300.0

METHOD DETECTION AND REPORTING LIMITS

Laboratory: Empirical Laboratories, LLC
SDG: kirtland_021
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Instrument: WC-Lachat

Analyte	MDL	MRL	Units	Method
Nitrate/Nitrite as N	0.0500	0.300	mg/L	E353.2
Ammonia as N	0.110	0.300	mg/L	SM4500NH3BG

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G28013 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	07/28/11 13:23	290.00	200.00
GW0242	1107209-03	07/28/11 13:23	270.00	200.00
Blank	1G28013-BLK1	07/28/11 13:23	250.00	200.00
LCS	1G28013-BS1	07/28/11 13:23	3.00	250.00
LCS Dup	1G28013-BSD1	07/28/11 13:23	3.00	250.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G29005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	07/29/11 09:51	4.00	20.00
GW0242	1107209-03	07/29/11 09:51	4.00	20.00
GW0174	1107224-01	07/29/11 09:51	4.00	20.00
GW0175	1107224-03	07/29/11 09:51	4.00	20.00
GW0239	1107224-05	07/29/11 09:51	4.00	20.00
Blank	1G29005-BLK1	07/29/11 09:51	20.00	20.00
LCS	1G29005-BS1	07/29/11 09:51	2.00	20.00
GW0239	1G29005-MS1	07/29/11 09:51	4.00	20.00
GW0239	1G29005-MSD1	07/29/11 09:51	4.00	20.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1G29010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0170	1107237-01	07/29/11 11:16	4.00	20.00
GW0171	1107237-03	07/29/11 11:16	4.00	20.00
GW0237	1107237-05	07/29/11 11:16	4.00	20.00
GW0238	1107237-07	07/29/11 11:16	4.00	20.00
Blank	1G29010-BLK1	07/29/11 11:16	20.00	20.00
LCS	1G29010-BS1	07/29/11 11:16	2.00	20.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H02010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0174	1107224-01	08/02/11 09:43	270.00	200.00
GW0175	1107224-03	08/02/11 09:43	270.00	200.00
GW0239	1107224-05	08/02/11 09:43	270.00	200.00
GW0170	1107237-01	08/02/11 09:43	270.00	200.00
GW0171	1107237-03	08/02/11 09:43	270.00	200.00
GW0237	1107237-05	08/02/11 09:43	295.00	200.00
GW0238	1107237-07	08/02/11 09:43	295.00	200.00
GW0145	1107251-01	08/02/11 09:43	295.00	200.00
GW0143	1108004-01	08/02/11 09:43	270.00	200.00
GW0150	1108004-03	08/02/11 09:43	270.00	200.00
GW0233	1108004-05	08/02/11 09:43	270.00	200.00
GW0241	1108004-07	08/02/11 09:43	295.00	200.00
Blank	1H02010-BLK1	08/02/11 09:43	250.00	200.00
LCS	1H02010-BS1	08/02/11 09:43	3.00	250.00
GW0145	1H02010-MS1	08/02/11 09:43	3.00	295.00
GW0145	1H02010-MSD1	08/02/11 09:43	3.00	295.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H02013 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	08/02/11 10:41	100.00	100.00
GW0242	1107209-03	08/02/11 10:41	100.00	100.00
GW0174	1107224-01	08/02/11 10:41	100.00	100.00
GW0175	1107224-03	08/02/11 10:41	100.00	100.00
Blank	1H02013-BLK1	08/02/11 10:41	100.00	100.00
LCS	1H02013-BS1	08/02/11 10:41	100.00	100.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H02015 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	08/02/11 10:47	5.00	5.00
GW0242	1107209-03	08/02/11 10:47	5.00	5.00
GW0174	1107224-01	08/02/11 10:47	5.00	5.00
GW0175	1107224-03	08/02/11 10:47	5.00	5.00
GW0239	1107224-05	08/02/11 10:47	5.00	5.00
GW0170	1107237-01	08/02/11 10:47	5.00	5.00
GW0171	1107237-03	08/02/11 10:47	5.00	5.00
GW0237	1107237-05	08/02/11 10:47	5.00	5.00
GW0238	1107237-07	08/02/11 10:47	5.00	5.00
GW0145	1107251-01	08/02/11 10:47	5.00	5.00
Blank	1H02015-BLK1	08/02/11 10:47	5.00	5.00
LCS	1H02015-BS1	08/02/11 10:47	5.00	5.00
GW0242	1H02015-DUP1	08/02/11 10:47	5.00	5.00
GW0145	1H02015-DUP2	08/02/11 10:47	5.00	5.00
GW0242	1H02015-MS1	08/02/11 10:47	22.50	25.00
GW0145	1H02015-MS2	08/02/11 10:47	22.50	25.00
GW0242	1H02015-MSD1	08/02/11 10:47	22.50	25.00
GW0145	1H02015-MSD2	08/02/11 10:47	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H04010 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0150	1108004-03	08/04/11 10:29	5.00	5.00
GW0233	1108004-05	08/04/11 10:29	5.00	5.00
Blank	1H04010-BLK1	08/04/11 10:29	5.00	5.00
LCS	1H04010-BS1	08/04/11 10:29	5.00	5.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H08001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0207	1107209-01	08/08/11 08:12	25.00	25.00
GW0242	1107209-03	08/08/11 08:12	25.00	25.00
GW0174	1107224-01	08/08/11 08:12	25.00	25.00
GW0175	1107224-03	08/08/11 08:12	25.00	25.00
GW0239	1107224-05	08/08/11 08:12	25.00	25.00
Blank	1H08001-BLK1	08/08/11 08:12	25.00	25.00
LCS	1H08001-BS1	08/08/11 08:12	5.00	25.00
GW0207	1H08001-MS1	08/08/11 08:12	22.50	25.00
GW0207	1H08001-MSD1	08/08/11 08:12	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H09001 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0239	1107224-05	08/09/11 07:19	100.00	100.00
GW0170	1107237-01	08/09/11 07:19	100.00	100.00
GW0171	1107237-03	08/09/11 07:19	100.00	100.00
GW0237	1107237-05	08/09/11 07:19	100.00	100.00
GW0238	1107237-07	08/09/11 07:19	100.00	100.00
GW0145	1107251-01	08/09/11 07:19	100.00	100.00
GW0143	1108004-01	08/09/11 07:19	100.00	100.00
GW0150	1108004-03	08/09/11 07:19	100.00	100.00
GW0233	1108004-05	08/09/11 07:19	100.00	100.00
GW0241	1108004-07	08/09/11 07:19	100.00	100.00
Blank	1H09001-BLK1	08/09/11 07:19	100.00	100.00
LCS	1H09001-BS1	08/09/11 07:19	100.00	100.00
GW0145	1H09001-MS1	08/09/11 07:19	100.00	100.00
GW0145	1H09001-MSD1	08/09/11 07:19	100.00	100.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H10002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0170	1107237-01	08/10/11 07:37	25.00	25.00
GW0171	1107237-03	08/10/11 07:37	25.00	25.00
GW0237	1107237-05	08/10/11 07:37	25.00	25.00
GW0238	1107237-07	08/10/11 07:37	25.00	25.00
GW0145	1107251-01	08/10/11 07:37	25.00	25.00
Blank	1H10002-BLK1	08/10/11 07:37	25.00	25.00
LCS	1H10002-BS1	08/10/11 07:37	5.00	25.00
GW0145	1H10002-MS1	08/10/11 07:37	22.50	25.00
GW0145	1H10002-MSD1	08/10/11 07:37	22.50	25.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H11017 Batch Matrix: Water Preparation: WC_PREP_ANIONS_W

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0143	1108004-01RE2	08/04/11 10:29	5.00	5.00
GW0241	1108004-07RE2	08/04/11 10:29	5.00	5.00
Blank	1H11017-BLK1	08/11/11 16:46	5.00	5.00
LCS	1H11017-BS1	08/11/11 16:46	5.00	5.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H12003 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0143	1108004-01	08/12/11 07:29	25.00	25.00
GW0150	1108004-03	08/12/11 07:29	25.00	25.00
GW0233	1108004-05	08/12/11 07:29	25.00	25.00
GW0241	1108004-07	08/12/11 07:29	25.00	25.00
Blank	1H12003-BLK1	08/12/11 07:29	25.00	25.00
LCS	1H12003-BS1	08/12/11 07:29	5.00	25.00
GW0143	1H12003-MS1	08/12/11 07:29	22.50	25.00
GW0143	1H12003-MSD1	08/12/11 07:29	22.50	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: kirtland_021

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

Batch: 1H16004 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0145	1107251-01	08/16/11 07:38	4.00	20.00
GW0143	1108004-01	08/16/11 07:38	4.00	20.00
GW0150	1108004-03	08/16/11 07:38	4.00	20.00
GW0233	1108004-05	08/16/11 07:38	4.00	20.00
GW0241	1108004-07	08/16/11 07:38	4.00	20.00
Blank	1H16004-BLK1	08/16/11 07:38	20.00	20.00
LCS	1H16004-BS1	08/16/11 07:38	1.00	20.00
GW0145	1H16004-MS1	08/16/11 07:38	4.00	20.00
GW0145	1H16004-MSD1	08/16/11 07:38	4.00	20.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1H08001-BLK1	080811-004	08/08/11 08:55
LCS	1H08001-BS1	080811-003	08/08/11 09:03
GW0207	1H08001-MS1	080811-010	08/08/11 11:00
GW0207	1H08001-MSD1	080811-011	08/08/11 11:10
LCS	1H10002-BS1	081011-003	08/10/11 09:00
Blank	1H10002-BLK1	081011-004	08/10/11 09:05
GW0145	1H10002-MS1	081011-010	08/10/11 10:30
GW0145	1H10002-MSD1	081011-011	08/10/11 10:45
LCS	1H12003-BS1	081211-003	08/12/11 09:00
Blank	1H12003-BLK1	081211-004	08/12/11 09:10
GW0143	1H12003-MS1	081211-011	08/12/11 09:45
GW0143	1H12003-MSD1	081211-012	08/12/11 10:05

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: kirtland_021

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Blank	1G28013-BLK1	072811-004	07/28/11 18:25
LCS	1G28013-BS1	072811-002	07/28/11 18:26
LCS Dup	1G28013-BSD1	072811-003	07/28/11 18:27
Blank	1H02010-BLK1	080211-003	08/02/11 14:06
LCS	1H02010-BS1	080211-002	08/02/11 14:07
GW0145	1H02010-MS1	080211-016	08/02/11 14:29
GW0145	1H02010-MSD1	080211-017	08/02/11 14:31

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1E12407	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1E12407-CAL1	040911-003	04/09/11 12:05
Cal Standard	1E12407-CAL2	040911-004	04/09/11 12:22
Cal Standard	1E12407-CAL3	040911-005	04/09/11 12:39
Cal Standard	1E12407-CAL4	040911-006	04/09/11 12:57
Cal Standard	1E12407-CAL5	040911-007	04/09/11 13:14
Cal Standard	1E12407-CAL6	040911-008	04/09/11 13:32
Cal Standard	1E12407-CAL7	040911-009	04/09/11 13:49
Cal Standard	1E12407-CAL8	040911-010	04/09/11 14:07
Initial Cal Check	1E12407-ICV1	040911-011	04/09/11 14:24
Initial Cal Blank	1E12407-ICB1	040911-012	04/09/11 14:41

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1G21035	Instrument:	WC-Lachat
Calibration:	1210004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1G21035-CAL1	M_7-29-2011_10-59-35AM-00	07/29/11 11:00
Cal Standard	1G21035-CAL2	M_7-29-2011_10-59-35AM-00	07/29/11 11:02
Cal Standard	1G21035-CAL3	M_7-29-2011_10-59-35AM-00	07/29/11 11:03
Cal Standard	1G21035-CAL4	M_7-29-2011_10-59-35AM-00	07/29/11 11:04
Cal Standard	1G21035-CAL5	M_7-29-2011_10-59-35AM-00	07/29/11 11:06
Cal Standard	1G21035-CAL6	M_7-29-2011_10-59-35AM-00	07/29/11 11:07
Cal Standard	1G21035-CAL7	M_7-29-2011_10-59-35AM-00	07/29/11 11:09
Cal Standard	1G21035-CAL8	M_7-29-2011_10-59-35AM-00	07/29/11 11:10
Initial Cal Check	1G21035-ICV1	M_7-29-2011_10-59-35AM-00	07/29/11 11:12
Initial Cal Blank	1G21035-ICB1	M_7-29-2011_10-59-35AM-01	07/29/11 11:13
Blank	1G29005-BLK1	M_7-29-2011_10-59-35AM-01	07/29/11 11:16
LCS	1G29005-BS1	M_7-29-2011_10-59-35AM-01	07/29/11 11:17
Calibration Check	1G21035-CCV1	M_7-29-2011_10-59-35AM-02	07/29/11 11:33
Calibration Blank	1G21035-CCB1	M_7-29-2011_10-59-35AM-02	07/29/11 11:35
GW0207	1107209-01	M_7-29-2011_10-59-35AM-02	07/29/11 11:41
GW0242	1107209-03	M_7-29-2011_10-59-35AM-03	07/29/11 11:42
GW0174	1107224-01	M_7-29-2011_10-59-35AM-03	07/29/11 11:44
GW0175	1107224-03	M_7-29-2011_10-59-35AM-03	07/29/11 11:45
GW0239	1107224-05	M_7-29-2011_10-59-35AM-03	07/29/11 11:47
GW0239	1G29005-MS1	M_7-29-2011_10-59-35AM-03	07/29/11 11:48
GW0239	1G29005-MSD1	M_7-29-2011_10-59-35AM-03	07/29/11 11:49
Calibration Check	1G21035-CCV2	M_7-29-2011_10-59-35AM-03	07/29/11 11:52
Calibration Blank	1G21035-CCB2	M_7-29-2011_10-59-35AM-03	07/29/11 11:54
Blank	1G29010-BLK1	M_7-29-2011_10-59-35AM-03	07/29/11 11:55
LCS	1G29010-BS1	M_7-29-2011_10-59-35AM-04	07/29/11 11:57
GW0170	1107237-01	M_7-29-2011_10-59-35AM-04	07/29/11 11:58
GW0171	1107237-03	M_7-29-2011_10-59-35AM-04	07/29/11 12:00
GW0237	1107237-05	M_7-29-2011_10-59-35AM-04	07/29/11 12:01
GW0238	1107237-07	M_7-29-2011_10-59-35AM-04	07/29/11 12:03
Calibration Check	1G21035-CCV3	M_7-29-2011_10-59-35AM-04	07/29/11 12:04
Calibration Blank	1G21035-CCB3	M_7-29-2011_10-59-35AM-04	07/29/11 12:05

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H21702	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H21702-CCV1	080411-002	08/04/11 12:00
Calibration Blank	1H21702-CCB1	080411-003	08/04/11 12:18
Instrument RL Check	1H21702-CRL1	080411-004	08/04/11 12:35
Instrument RL Check	1H21702-CRL2	080411-005	08/04/11 12:53
LCS	1H04010-BS1	080411-006	08/04/11 13:10
Blank	1H04010-BLK1	080411-007	08/04/11 13:28
Calibration Check	1H21702-CCV2	080411-015	08/04/11 15:47
Calibration Blank	1H21702-CCB2	080411-016	08/04/11 16:04
Calibration Check	1H21702-CCV3	080411-027	08/04/11 19:16
Calibration Blank	1H21702-CCB3	080411-028	08/04/11 19:33
GW0150	1108004-03	080411-031	08/04/11 20:26
GW0233	1108004-05	080411-032	08/04/11 20:43
Calibration Check	1H21702-CCV4	080411-038	08/04/11 22:28
Calibration Blank	1H21702-CCB4	080411-039	08/04/11 22:45

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22004	Instrument:	WC-Lachat
Calibration:	1220002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H22004-CAL1	)M_8-3-2011_04-04-09PM-00	08/03/11 16:04
Cal Standard	1H22004-CAL2	)M_8-3-2011_04-04-09PM-00	08/03/11 16:05
Cal Standard	1H22004-CAL3	)M_8-3-2011_04-04-09PM-00	08/03/11 16:06
Cal Standard	1H22004-CAL4	)M_8-3-2011_04-04-09PM-00	08/03/11 16:07
Cal Standard	1H22004-CAL5	)M_8-3-2011_04-04-09PM-00	08/03/11 16:08
Cal Standard	1H22004-CAL6	)M_8-3-2011_04-04-09PM-00	08/03/11 16:09
Cal Standard	1H22004-CAL7	)M_8-3-2011_04-04-09PM-00	08/03/11 16:10
Cal Standard	1H22004-CAL8	)M_8-3-2011_04-04-09PM-00	08/03/11 16:11
Initial Cal Check	1H22004-ICV1	)M_8-3-2011_04-04-09PM-00	08/03/11 16:12
Initial Cal Blank	1H22004-ICB1	)M_8-3-2011_04-04-09PM-01	08/03/11 16:13
Blank	1H02013-BLK1	)M_8-3-2011_04-04-09PM-01	08/03/11 16:14
LCS	1H02013-BS1	)M_8-3-2011_04-04-09PM-01	08/03/11 16:15
GW0207	1107209-01	)M_8-3-2011_04-04-09PM-01	08/03/11 16:18
GW0242	1107209-03	)M_8-3-2011_04-04-09PM-01	08/03/11 16:19
Calibration Check	1H22004-CCV1	)M_8-3-2011_04-04-09PM-02	08/03/11 16:25
Calibration Blank	1H22004-CCB1	)M_8-3-2011_04-04-09PM-02	08/03/11 16:26
GW0174	1107224-01	)M_8-3-2011_04-04-09PM-03	08/03/11 16:33
GW0175	1107224-03	)M_8-3-2011_04-04-09PM-03	08/03/11 16:34
Calibration Check	1H22004-CCV2	)M_8-3-2011_04-04-09PM-03	08/03/11 16:39
Calibration Blank	1H22004-CCB2	)M_8-3-2011_04-04-09PM-03	08/03/11 16:40

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22106	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22106-CCV1	080211-001	08/02/11 17:36
Calibration Blank	1H22106-CCB1	080211-002	08/02/11 17:53
Instrument RL Check	1H22106-CRL1	080211-003	08/02/11 18:11
Instrument RL Check	1H22106-CRL2	080211-004	08/02/11 18:28
LCS	1H02015-BS1	080211-005	08/02/11 18:46
Blank	1H02015-BLK1	080211-006	08/02/11 19:03
GW0207	1107209-01	080211-015	08/02/11 21:40
Calibration Check	1H22106-CCV2	080211-016	08/02/11 21:57
Calibration Blank	1H22106-CCB2	080211-017	08/02/11 22:15
GW0242	1107209-03	080211-018	08/02/11 22:32
GW0242	1H02015-MS1	080211-019	08/02/11 22:50
GW0242	1H02015-MSD1	080211-020	08/02/11 23:07
GW0242	1H02015-DUP1	080211-021	08/02/11 23:25
GW0174	1107224-01	080211-022	08/02/11 23:42
GW0175	1107224-03	080211-023	08/02/11 23:59
GW0239	1107224-05	080211-024	08/03/11 00:17
GW0170	1107237-01	080211-025	08/03/11 00:34
GW0171	1107237-03	080211-026	08/03/11 00:52
GW0237	1107237-05	080211-027	08/03/11 01:09
Calibration Check	1H22106-CCV3	080211-028	08/03/11 01:27
Calibration Blank	1H22106-CCB3	080211-029	08/03/11 01:44
GW0238	1107237-07	080211-030	08/03/11 02:01
GW0145	1107251-01	080211-031	08/03/11 02:19
GW0145	1H02015-MS2	080211-032	08/03/11 02:36
GW0145	1H02015-MSD2	080211-033	08/03/11 02:54
GW0145	1H02015-DUP2	080211-034	08/03/11 03:11
Calibration Check	1H22106-CCV4	080211-040	08/03/11 04:56
Calibration Blank	1H22106-CCB4	080211-041	08/03/11 05:13

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22110	Instrument:	WC-Lachat
Calibration:	1221005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H22110-CAL1	)M_8-9-2011_03-02-27PM-00	08/09/11 15:03
Cal Standard	1H22110-CAL2	)M_8-9-2011_03-02-27PM-00	08/09/11 15:04
Cal Standard	1H22110-CAL3	)M_8-9-2011_03-02-27PM-00	08/09/11 15:05
Cal Standard	1H22110-CAL4	)M_8-9-2011_03-02-27PM-00	08/09/11 15:06
Cal Standard	1H22110-CAL5	)M_8-9-2011_03-02-27PM-00	08/09/11 15:07
Cal Standard	1H22110-CAL6	)M_8-9-2011_03-02-27PM-00	08/09/11 15:08
Cal Standard	1H22110-CAL7	)M_8-9-2011_03-02-27PM-00	08/09/11 15:09
Cal Standard	1H22110-CAL8	)M_8-9-2011_03-02-27PM-00	08/09/11 15:10
Initial Cal Check	1H22110-ICV1	)M_8-9-2011_03-02-27PM-00	08/09/11 15:11
Initial Cal Blank	1H22110-ICB1	)M_8-9-2011_03-02-27PM-01	08/09/11 15:12
Blank	1H09001-BLK1	)M_8-9-2011_03-02-27PM-01	08/09/11 15:13
LCS	1H09001-BS1	)M_8-9-2011_03-02-27PM-01	08/09/11 15:14
GW0239	1107224-05	)M_8-9-2011_03-02-27PM-01	08/09/11 15:20
GW0170	1107237-01	)M_8-9-2011_03-02-27PM-02	08/09/11 15:21
GW0171	1107237-03	)M_8-9-2011_03-02-27PM-02	08/09/11 15:22
GW0237	1107237-05	)M_8-9-2011_03-02-27PM-02	08/09/11 15:23
Calibration Check	1H22110-CCV1	)M_8-9-2011_03-02-27PM-02	08/09/11 15:24
Calibration Blank	1H22110-CCB1	)M_8-9-2011_03-02-27PM-02	08/09/11 15:25
GW0238	1107237-07	)M_8-9-2011_03-02-27PM-02	08/09/11 15:26
GW0145	1107251-01	)M_8-9-2011_03-02-27PM-02	08/09/11 15:27
GW0145	1H09001-MS1	)M_8-9-2011_03-02-27PM-02	08/09/11 15:28
GW0145	1H09001-MSD1	)M_8-9-2011_03-02-27PM-02	08/09/11 15:29
GW0143	1108004-01	)M_8-9-2011_03-02-27PM-02	08/09/11 15:30
GW0150	1108004-03	)M_8-9-2011_03-02-27PM-03	08/09/11 15:31
GW0233	1108004-05	)M_8-9-2011_03-02-27PM-03	08/09/11 15:32
GW0241	1108004-07	)M_8-9-2011_03-02-27PM-03	08/09/11 15:33
Calibration Check	1H22110-CCV2	)M_8-9-2011_03-02-27PM-03	08/09/11 15:38
Calibration Blank	1H22110-CCB2	)M_8-9-2011_03-02-27PM-03	08/09/11 15:39

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22407	Instrument:	WC-IC
Calibration:	1124002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	1H22407-CCV1	081111-002	08/11/11 18:43
Calibration Blank	1H22407-CCB1	081111-003	08/11/11 19:00
Instrument RL Check	1H22407-CRL1	081111-004	08/11/11 19:18
Instrument RL Check	1H22407-CRL2	081111-005	08/11/11 19:35
LCS	1H11017-BS1	081111-006	08/11/11 19:52
Blank	1H11017-BLK1	081111-007	08/11/11 20:10
Calibration Check	1H22407-CCV2	081111-018	08/11/11 23:22
Calibration Blank	1H22407-CCB2	081111-019	08/11/11 23:39
GW0143	1108004-01RE2	081111-023	08/12/11 00:49
GW0241	1108004-07RE2	081111-024	08/12/11 01:06
Calibration Check	1H22407-CCV3	081111-027	08/12/11 01:58
Calibration Blank	1H22407-CCB3	081111-028	08/12/11 02:16

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	kirtland_021
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	1H22806	Instrument:	WC-Lachat
Calibration:	1228001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	1H22806-CAL1	M_8-16-2011_11-02-00AM-00	08/16/11 11:03
Cal Standard	1H22806-CAL2	M_8-16-2011_11-02-00AM-00	08/16/11 11:04
Cal Standard	1H22806-CAL3	M_8-16-2011_11-02-00AM-00	08/16/11 11:05
Cal Standard	1H22806-CAL4	M_8-16-2011_11-02-00AM-00	08/16/11 11:07
Cal Standard	1H22806-CAL5	M_8-16-2011_11-02-00AM-00	08/16/11 11:08
Cal Standard	1H22806-CAL6	M_8-16-2011_11-02-00AM-00	08/16/11 11:10
Cal Standard	1H22806-CAL7	M_8-16-2011_11-02-00AM-00	08/16/11 11:11
Cal Standard	1H22806-CAL8	M_8-16-2011_11-02-00AM-00	08/16/11 11:13
Initial Cal Check	1H22806-ICV1	M_8-16-2011_11-02-00AM-00	08/16/11 11:14
Initial Cal Blank	1H22806-ICB1	M_8-16-2011_11-02-00AM-01	08/16/11 11:16
Blank	1H16004-BLK1	M_8-16-2011_11-02-00AM-01	08/16/11 11:18
LCS	1H16004-BS1	M_8-16-2011_11-02-00AM-01	08/16/11 11:20
GW0145	1107251-01	M_8-16-2011_11-02-00AM-01	08/16/11 11:21
GW0145	1H16004-MS1	M_8-16-2011_11-02-00AM-01	08/16/11 11:23
GW0145	1H16004-MSD1	M_8-16-2011_11-02-00AM-01	08/16/11 11:24
GW0143	1108004-01	M_8-16-2011_11-02-00AM-01	08/16/11 11:26
GW0150	1108004-03	M_8-16-2011_11-02-00AM-01	08/16/11 11:27
GW0233	1108004-05	M_8-16-2011_11-02-00AM-01	08/16/11 11:29
GW0241	1108004-07	M_8-16-2011_11-02-00AM-02	08/16/11 11:30
Calibration Check	1H22806-CCV1	M_8-16-2011_11-02-00AM-02	08/16/11 11:39
Calibration Blank	1H22806-CCB1	M_8-16-2011_11-02-00AM-02	08/16/11 11:40