ANALYTICAL SUMMARY DATA PACKAGE
SDG # KIRTLAND_066

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

SUBMITTAL TO:
Susan Huang
SHAW E&I, Inc.
4005 Port Chicago Highway
Concord, CA 94520

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

LABORATORY CONTACT PERSON:
Project Manager: Lorraine Noronha
Tel (615)345-1115
Fax (866)417-0548
Email: lnoronha@empirlabs.com

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THIS DOCUMENT MEETS DoD QSM 4.2 STANDARDS

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

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Sample Delivery Group Case Narrative

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

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

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

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

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

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

SW8260B:
Note – Samples 1210178-11 and -15 were analyzed at a 5x dilution indicated only due to the samples foaming during screening. No lower analyses were able to be performed.

The following was analyzed after the 12-hour tune criteria:
2J24019-BSD1 was analyzed 12 hours 26 minutes after the associated tune standard
2J25014-BSD1 was analyzed 12 hours 26 minutes after the associated tune standard

The following continuing calibration verifications exceeded criteria:
2J29905-CCV1 with a negative bias for Acetone and a positive bias for Dichlorodifluoromethane and Vinyl Chloride
2J30305-CCV1 with a negative bias for Acetone and 2-Butanone and a positive bias for Carbon Tetrachloride, Dichlorodifluoromethane, and Vinyl Chloride
2J30313-CCV1 with a negative bias for Acetone and 2,2-Dichloropropane and a positive bias for Dichlorodifluoromethane

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

SW8270D BNA:
The following surrogates exceeded criteria:
2-Fluorophenol with a negative bias in 1210178-03, -05, 1210200-01, -15, 2J19004-BLK1, 2J22003-BLK1, 2J23002-MSD1, and 2J25012-BS1
2,4,6-Tribromophenol with a negative bias in 12101078-05

The following batch spikes exceeded criteria:
2J24003-BS1 with a positive bias for 4-Bromophenyl-phenylether, Butylbenzylphthalate, Di-n-butylphthalate, and Hexachlorobutadiene, and 2-Nitroaniline
2J25012-BS1/BSD1 with a positive bias for Butylbenzylphthalate, Carbazole, Bis(2-chloroethoxy)methane, and 3,3'-Dichlorobenzidine, with a negative bias for 2,4-Dichlorophenol, Pentachlorophenol, 2,4,6-Trichlorophenol, and 2,4,5-Trichlorophenol, and exceeded relative percent difference criteria for 2-Chlorophenol, 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, 4-Nitrophenol, 2-Nitrophenol, Pentachlorophenol, 2,4,5-Trichlorophenol, and 2,4,6-Trichlorophenol

The following matrix spikes exceeded criteria:
2J23002-MS1/MSD1 (1210178-01) with a negative bias for 2,4-Dichlorophenol, 4,6-Dinitro-2-methylphenol, Pentachlorophenol, 2,4,6-Trichlorophenol, and 2,4,5-Trichlorophenol

The following continuing calibration verifications exceeded criteria:
2J29718-CCV1 with a negative bias for Benzoic Acid and a positive bias for Hexachlorocyclopentadiene and Terphenyl-d14

2J29718-CCV2 with a positive bias for Benzidine
2K31016-CCV1 with a positive bias for 4,6-Dinitro-2-methylphenol, 2,4-Dinitrophenol, and 2-Nitrophenol
2K31016-CCV2 with a positive bias for Benzidine, Caprolactam, and 3,3'-Dichlorobenzidine
2K31106-CCV1 with a positive bias for 4,6-Dinitro-2-methylphenol and 2,4-Dinitrophenol
2K31106-CCV2 with a positive bias for Benzidine, Caprolactam, and 3,3'-Dichlorobenzidine
2K31110-CCV2 with a positive bias for Benzaldehyde, Benzidine, Caprolactam, and 3,3'-Dichlorobenzidine
2K31204-CCV1 with a negative bias for Benzoic Acid and a positive bias for Hexachloroethane, N-nitroso-di-n-propylamine, and Terphenyl-d14
2K31204-CCV2 with a positive bias for Benzaldehyde and Benzidine
2K31208-CCV1 with a positive bias for Terphenyl-d14
2K31208-CCV2 with a positive bias for Benzidine
2K31410-CCV2 with a positive bias for Benzaldehyde, Benzidine, and Caprolactam

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

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

The following surrogates exceeded criteria:
1,3-Dibromopropane on column 1 with a positive bias in 1210178-03RE1

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

SW8015B DRO:
The following were extracted after the method recommended holding time of 7 days:
Diesel Range Organics 11 days after sampling for 1210178-11RE1

The following surrogates exceeded the retention time window:
o-Terphenyl in 1210200-19RE1, -21RE1, -23RE1, 1210178-01RE1, -05RE1, -09RE1, -23RE2, -27RE2 and 2K32020-CCV2; note –the retention time shift was determined to be negligible for all affected samples and QC

The following continuing calibration verifications exceeded criteria:

2K30712-CCV1 with a negative bias for o-Terphenyl
2K30712-CCV2 with a negative bias for o-Terphenyl

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

SW8015B GRO:
The following continuing calibration verifications exceeded criteria:
2J29809-CCV4 with a negative bias for Bromofluorobenzene; note – no surrogate recoveries were biased in to control in the samples or batch QC due to the low bias

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

SW6010B:
The following matrix spikes exceeded criteria:
2J30419-MS1 (1210178-01) for Calcium and Sodium; note – the parent sample concentrations for Calcium and Sodium are greater than 4 times the amount spiked

The following serial dilution exceeded % difference criteria of ±10%:
2J24014-DUP1 (1210178-02) for Manganese

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

Wet Chemistry:
The following compounds are qualified with an M to indicate that the LOQ was raised to the level of the reporting limit standard within criteria:
Chloride (1.0mg/L) in 1210178-01, -03, -05, -07, -09, -11, -13, -15, -17, -19, -21, -23, -25, -27, 1210200-05, -07, -09, -11, -13, -15, -17, -19, -21, and -23
Sulfate as SO4 (2.5 mg/L) in 1210178-01, -03, -05, -07, -09, -11, -13, -15, -17, -19, -21, -23, -25, -27, 1210200-01, and -03,

The following blanks have reported results:
2J31024-BLK1 for Ammonia; note – no positive results in associated samples
2K30608-ICB1 for Chloride; note – positive results in associated samples greater than 10x the concentration in the blank
2K31014-CCB2 for Chloride; note – positive results in associated samples greater than

10x the concentration in the blank
2K31014-CCB3 for Chloride; note – positive results in associated samples greater than 10x the concentration in the blank

The following batch spikes exceeded criteria:
2K05024-BS1 with a positive bias for Nitrate/Nitrite 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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

S: The associated internal standard exceeded criteria.

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

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

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

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

LIMS Definitions / Naming Conventions:

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

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

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

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

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

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

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

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

ORGANIC CALCULATIONS

GC/MS Volatiles

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

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

GC/MS Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

GC or LC Extractables

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

= ng/mL or ng/g

= ug/L or ug/kg

Sample Receipt Information

1210178

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW233

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

Samples Shipment Date: 16 OCT 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306619445

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw Date: 10-16-12 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) Jack Deville Jr. Date: 10-17-12 Time: 810

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
02	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		

Kirtland 066 Sumpp Backgro

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW233

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0754	KAFB-106001-WG-GW0754-REG	16 OCT 2012	16:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
02	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0754-MS	KAFB-106001-WG-GW0754-MS-MS	16 OCT 2012	16:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
02	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
01	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0754-MSD	KAFB-106001-WG-GW0754-MSD-MSD	16 OCT 2012	16:26	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
03	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300,			N		

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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW233

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Alkalinity by SM2320B					
03	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
04	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
03	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0808	KAFB-106055-WG-GW0808-REG	16 OCT 2012	16:09	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
05	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0809	KAFB-106057-WG-GW0809-REG	16 OCT 2012	13:59	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
08	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0810	KAFB-106057-WG-GW0810-FD	16 OCT 2012	13:59	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		

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	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
09	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
10	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0811	KAFB-106058-WG-GW0811-REG	16 OCT 2012	11:32	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
11	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
12	GW0825	KAFB-106070-WG-GW0825-REG	15 OCT 2012	15:54	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
14	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by			N		

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	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								SW846 6010C					
13	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0826	KAFB-106071-WG-GW0826-REG	15 OCT 2012	11:13	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
15	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
16	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0827	KAFB-106072-WG-GW0827-REG	15 OCT 2012	13:37	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
17	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
18	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
17	GW0855	KAFB-106097-WG-GW0855-REG	16 OCT 2012	14:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
19	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300,			N		

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	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Alkalinity by SM2320B					
20	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0856	KAFB-106097-WG-GW0856-FD	16 OCT 2012	14:01	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
21	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
22	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
21	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0857	KAFB-106098-WG-GW0857-REG	16 OCT 2012	11:28	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
23	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
24	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
23	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0861	KAFB-106003-WG-GW0861-REG	15 OCT 2012	16:23	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
25	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		

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	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
25	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
26	GW0862	KAFB-106101-WG-GW0862-REG	15 OCT 2012	13:40	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
27	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
28	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
27	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0863	KAFB-106102-WG-GW0863-REG	15 OCT 2012	11:03	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
29	GW8233-TB	FIELDQC-BW-GW8233-TB-TB	15 OCT 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/17/12 @ 0810 Workorder# 1210178

1. Tracking # 9445 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.1 °C + *correction factor (+ 0.2)* = 2.3 °C

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

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

   If yes, how many and where: 1-FRONT

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

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

I certify that I opened the cooler and answered questions 1-6 (initial) BW

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/17/12 @ 0810 Workorder# 1210178

1. Tracking # 9526 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.7 °C + *correction factor (+ 0.2)* = 2.9 °C

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

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

   If yes, how many and where: 1-FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/17/12 @ 0810 Workorder# 1210178

1. Tracking # 9515 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.1 °C + *correction factor (+ 0.2)* = 2.3 °C

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

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

   If yes, how many and where: 1-FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/17/12 @ 0810 Workorder# 1210178

1. Tracking # 9504 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.0 °C + correction factor (+ 0.2) = 1.2 °C

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

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

   If yes, how many and where: 1-FRONT

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/17/12 @ 0810 Workorder# 1210178

1. Tracking # 9490 (last 4 digits, FedEx)

   Courier: ___FED-EX

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

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

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

   If yes, how many and where: 1-FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

1210200

Shaw™
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ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW0234

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

Samples Shipment Date: 18 OCT 2012
Lab Destination: Empirical Laboratories, Inc.
Lab Contact: Sonya Gordon
Project Contact: Pamela Moss
Carrier/Waybill No.: Fed Ex/488306619537

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

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

Special Instructions:

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

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

1. Relinquished By (Signature/Affiliation) Shaw Date: 10-18-12 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) Jack Lerille Date: 10-19-12 Time: 835

Comments:

	Sample No	Sample Name	Sample Date	Sample Time	Container	Ctr Qty	Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
01	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2,			N		

1210200

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW0234

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
								Ammonia by SM4500B					
02	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
	GW0774	KAFB-106022-WG-GW0774-REG	18 OCT 2012	15:43	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
01													
03	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
04	GW0789	KAFB-106038-WG-GW0789-REG	18 OCT 2012	15:34	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
06	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
05	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0790	KAFB-106039-WG-GW0790-REG	18 OCT 2012	13:33	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
07	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		

1210200

Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW0234

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
07	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
08	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
07	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0791	KAFB-106040-WG-GW0791-REG	18 OCT 2012	11:09	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
09	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
10	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
09	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0799	KAFB-106046-WG-GW0799-REG	17 OCT 2012	16:07	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
11													
12	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
11	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0800	KAFB-106047-WG-GW0800-REG	17 OCT 2012	13:35	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		

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Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW0234

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
13	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
14	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
13	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0801	KAFB-106048-WG-GW0801-REG	17 OCT 2012	11:06	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
15	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
16	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
15	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0854	KAFB-106013-WG-GW0854-REG	18 OCT 2012	12:49	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
17	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
18	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
17	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		

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Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW0234

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
17	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0864	KAFB-106023-WG-GW0864-REG	17 OCT 2012	16:11	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
19	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
20	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
19	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0865	KAFB-106103-WG-GW0865-REG	17 OCT 2012	13:23	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
21	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
22	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
21	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		
	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	250 mL HDPE	1	Zinc Acetate and NaOH>9	Sulfide by SM4500S-2CF			N		
	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
	GW0866	KAFB-106103-WG-GW0866-FD	17 OCT 2012	13:23	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
23	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	250 mL HDPE	1	HNO3<pH 2	Total Calcium, Potassium, Magnesium, Sodium, and Lead by SW846 6010C			N		
	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	40 mL VOA VIAL	3	HCl<pH 2	VOCs by SW846 8260B			N		
	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	40 mL VOA VIAL	3	HCl<pH 2	TPH as Gasoline by SW846 8015B			N		
	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	40 mL VOA VIAL	3	None except cool to 4 C	EDB by SW846 8011			N		

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Shaw™
Shaw E & I, Inc.

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

Reference Document No: 140705-GW0234

	Sample No	Sample Name	Sample Date	Sample Time	Container		Preservative	Requested Testing Program	Sample Vol	Units	Fil	CID	Condition On Receipt
23	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	1000 mL A GLASS	1	None except cool to 4 C	TPH as Diesel by SW846 8015B			N		
24	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	250 mL HDPE	1	HNO3<pH 2	Dissolved Iron and Manganese by SW846 6010C			N		
23	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	250 mL HDPE	1	None except cool to 4 C	Chloride and Sulfate by EPA 300, Alkalinity by SM2320B			N		
	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	250 mL HDPE	1	H2SO4<pH 2	Nitrate plus Nitrite by EPA 353.2, Ammonia by SM4500B			N		
	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	250 mL HDPE	1	Zinc Acetate and NaOH>!	Sulfide by SM4500S-2CF			N		
	GW0867	KAFB-106104-WG-GW0867-REG	17 OCT 2012	10:41	1000 mL A GLASS	2	None except cool to 4 C	SVOCs by SW846 8270C			N		
25	GW8234-TB	FIELDQC-BW-GW8234-TB-TB	17 OCT 2012	08:00	40 mL VOA VIAL	2	HCl<pH 2	VOCs by SW846 8260B			N		

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/19/12 @ 0830 Workorder# 1210200

1. Tracking # 9537 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.4 °C + *correction factor (+ 0.2)* = 3.6 °C

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

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

   If yes, how many and where: 1 FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/19/12 @ 0830 Workorder# 1210200

1. Tracking # 9548 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.4 °C + *correction factor (+ 0.2)* = 1.6 °C

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

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

   If yes, how many and where: 1 FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/19/12 @ 0830 Workorder# 1210200

1. Tracking # 9559 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 1.9 °C + *correction factor (+ 0.2)* = 2.1 °C

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

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

   If yes, how many and where: 1 FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/19/12 @ 0830 Workorder# 1210200

1. Tracking # 9560 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.4 °C + correction factor (+ 0.2) = 3.6 °C

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

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

   If yes, how many and where: 1 FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/19/12 @ 0830 Workorder# 1210200

1. Tracking # 9570 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 2.3 °C + *correction factor (+ 0.2)* = 2.5 °C

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

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

   If yes, how many and where: 1 FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/19/12 @ 0830 Workorder# 1210200

1. Tracking # 9581 (last 4 digits, FedEx)

   Courier: ___FED-EX

2. Temperature of rep. sample or temp blank when opened: 3.7 °C + *correction factor (+ 0.2)* = 3.9 °C

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

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

   If yes, how many and where: 1 FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

EMPIRICAL LABORATORIES
COOLER RECEIPT FORM

Cooler Received/Opened On: 10/19/12 @ 0830 Workorder# 1210200

1. Tracking # 9592 (last 4 digits, FedEx)

   Courier: ___FED-EX

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

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

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

   If yes, how many and where: 1 FRONT

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

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

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

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

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

8. Packing material used? Bubblewrap Plastic bag Peanuts Vermiculite Foam Insert Paper Other None

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

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

Additional Details:

WORK ORDER

Printed: 10/22/2012 10:27:13AM

1210178

Empirical Laboratories, LLC

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

Project Manager: Lorraine Noronha
Project Number: SHW_Kirtland

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

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

Due to Client: 11/07/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 10/17/2012 08:10
Logged In By: Jack Deville
Date Logged In: 10/17/2012 17:36

Samples Received at: **2.3°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1210178-01 GW0754 [Water] Sampled 10/16/2012 16:26 Mountain 'Client Sample'					**MS/MSD**
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/30/2012 17:26	MS/MSD, naphthalene must be reported
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/23/2012 17:26	MS/MSD
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/14/2013 17:26	MS/MSD, Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/30/2012 17:26	MS/MSD, carb/bicarb
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/30/2012 17:26	MS/MSD
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/23/2012 17:26	MS/MSD, requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/30/2012 17:26	MS/MSD, Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/13/2012 17:26	MS/MSD
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/13/2012 17:26	MS/MSD, Cl, SO4
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/13/2012 17:26	MS/MSD
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/23/2012 17:26	MS/MSD
1210178-02 GW0754 [Water] Sampled 10/16/2012 16:26 Mountain 'Client Sample'					**MS/MSD**
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/14/2013 17:26	MS/MSD, Fe & Mn

1210178

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210178-03 GW0808 [Water] Sampled 10/16/2012 16:09 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/23/2012 17:09	
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/30/2012 17:09	Run dilutions based on 8260 results!
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/14/2013 17:09	Ca, Pb, K, Na, Mg
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/23/2012 17:09	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/30/2012 17:09	
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/30/2012 17:09	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/30/2012 17:09	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/13/2012 17:09	
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/13/2012 17:09	
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/13/2012 17:09	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/23/2012 17:09	
1210178-04 GW0808 [Water] Sampled 10/16/2012 16:09 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/14/2013 17:09	Fe & Mn
1210178-05 GW0809 [Water] Sampled 10/16/2012 13:59 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/30/2012 14:59	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/30/2012 14:59	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/13/2012 14:59	
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/13/2012 14:59	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/13/2012 14:59	
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/14/2013 14:59	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/30/2012 14:59	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/23/2012 14:59	
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/23/2012 14:59	
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/23/2012 14:59	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/30/2012 14:59	Run dilutions based on 8260 results!
1210178-06 GW0809 [Water] Sampled 10/16/2012 13:59 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/14/2013 14:59	Fe & Mn

1210178

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210178-07 GW0810 [Water] Sampled 10/16/2012 13:59 Mountain 'Field Duplicate'					
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/23/2012 14:59	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/13/2012 14:59	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/23/2012 14:59	
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/30/2012 14:59	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/13/2012 14:59	Cl, SO4
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/23/2012 14:59	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/30/2012 14:59	
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/30/2012 14:59	naphthalene must be reported
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/14/2013 14:59	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/13/2012 14:59	
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/30/2012 14:59	Run dilutions based on 8260 results!
1210178-08 GW0810 [Water] Sampled 10/16/2012 13:59 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/14/2013 14:59	Fe & Mn
1210178-09 GW0811 [Water] Sampled 10/16/2012 11:32 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/30/2012 12:32	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/23/2012 12:32	
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/13/2012 12:32	
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/13/2012 12:32	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/30/2012 12:32	carb/bicarb
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/30/2012 12:32	
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/23/2012 12:32	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/14/2013 12:32	Ca, Pb, K, Na, Mg
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/30/2012 12:32	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/23/2012 12:32	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/13/2012 12:32	
1210178-10 GW0811 [Water] Sampled 10/16/2012 11:32 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/14/2013 12:32	Fe & Mn

1210178

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210178-11 GW0825 [Water] Sampled 10/15/2012 15:54 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/29/2012 16:54	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/29/2012 16:54	
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/22/2012 16:54	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/29/2012 16:54	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/22/2012 16:54	
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/13/2013 16:54	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/12/2012 16:54	
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/12/2012 16:54	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/22/2012 16:54	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/12/2012 16:54	
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/29/2012 16:54	carb/bicarb
1210178-12 GW0825 [Water] Sampled 10/15/2012 15:54 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/13/2013 16:54	Fe & Mn
1210178-13 GW0826 [Water] Sampled 10/15/2012 11:13 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/22/2012 12:13	
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/29/2012 12:13	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/29/2012 12:13	
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/29/2012 12:13	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/22/2012 12:13	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/13/2013 12:13	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/22/2012 12:13	
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/12/2012 12:13	
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/29/2012 12:13	carb/bicarb
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/12/2012 12:13	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/12/2012 12:13	
1210178-14 GW0826 [Water] Sampled 10/15/2012 11:13 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/13/2013 12:13	Fe & Mn

1210178

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210178-15 GW0827 [Water] Sampled 10/15/2012 13:37 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/29/2012 14:37	naphthalene must be reported
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/12/2012 14:37	
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/12/2012 14:37	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/29/2012 14:37	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/12/2012 14:37	
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/22/2012 14:37	
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/29/2012 14:37	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/22/2012 14:37	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/29/2012 14:37	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/22/2012 14:37	
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/13/2013 14:37	Ca, Pb, K, Na, Mg
1210178-16 GW0827 [Water] Sampled 10/15/2012 13:37 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/13/2013 14:37	Fe & Mn
1210178-17 GW0855 [Water] Sampled 10/16/2012 14:01 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/13/2012 15:01	
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/30/2012 15:01	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/23/2012 15:01	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/30/2012 15:01	
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/30/2012 15:01	naphthalene must be reported
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/23/2012 15:01	
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/13/2012 15:01	Cl, SO4
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/30/2012 15:01	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/23/2012 15:01	
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/14/2013 15:01	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/13/2012 15:01	
1210178-18 GW0855 [Water] Sampled 10/16/2012 14:01 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/14/2013 15:01	Fe & Mn

1210178

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210178-19 GW0856 [Water] Sampled 10/16/2012 14:01 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/14/2013 15:01	Ca, Pb, K, Na, Mg
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/30/2012 15:01	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/13/2012 15:01	
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/13/2012 15:01	Cl, SO4
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/30/2012 15:01	Run dilutions based on 8260 results!
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/13/2012 15:01	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/23/2012 15:01	
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/23/2012 15:01	
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/30/2012 15:01	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/23/2012 15:01	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/30/2012 15:01	carb/bicarb
1210178-20 GW0856 [Water] Sampled 10/16/2012 14:01 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/14/2013 15:01	Fe & Mn
1210178-21 GW0857 [Water] Sampled 10/16/2012 11:28 Mountain 'Client Sample'					
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/30/2012 12:28	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/30/2012 12:28	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/13/2012 12:28	
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/13/2012 12:28	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/13/2012 12:28	
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/30/2012 12:28	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/23/2012 12:28	
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/23/2012 12:28	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/30/2012 12:28	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/23/2012 12:28	
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/14/2013 12:28	Ca, Pb, K, Na, Mg
1210178-22 GW0857 [Water] Sampled 10/16/2012 11:28 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/14/2013 12:28	Fe & Mn

1210178

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210178-23 GW0861 [Water] Sampled 10/15/2012 16:23 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/29/2012 17:23	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/22/2012 17:23	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/29/2012 17:23	
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/29/2012 17:23	naphthalene must be reported
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/12/2012 17:23	Cl, SO4
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/22/2012 17:23	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/12/2012 17:23	
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/29/2012 17:23	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/22/2012 17:23	
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/13/2013 17:23	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/12/2012 17:23	
1210178-24 GW0861 [Water] Sampled 10/15/2012 16:23 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/13/2013 17:23	Fe & Mn
1210178-25 GW0862 [Water] Sampled 10/15/2012 13:40 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/12/2012 14:40	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/13/2013 14:40	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/22/2012 14:40	
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/29/2012 14:40	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/12/2012 14:40	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/22/2012 14:40	
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/22/2012 14:40	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/29/2012 14:40	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/29/2012 14:40	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/12/2012 14:40	
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/29/2012 14:40	
1210178-26 GW0862 [Water] Sampled 10/15/2012 13:40 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/13/2013 14:40	Fe & Mn

1210178

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210178-27 GW0863 [Water] Sampled 10/15/2012 11:03 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	11/02/2012 14:00	15	10/22/2012 12:03	
SW6010B	MET_ICP_6010B_FULL	11/02/2012 14:00	15	04/13/2013 12:03	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	11/02/2012 14:00	15	10/22/2012 12:03	
SW8011	SGC_EDB_8011	11/02/2012 14:00	15	10/29/2012 12:03	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	11/02/2012 14:00	15	10/22/2012 12:03	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	11/02/2012 14:00	15	10/29/2012 12:03	
E353.2	WC_NO3NO2_N_353.2	11/02/2012 14:00	15	11/12/2012 12:03	
E300.0	WC_ANIONS_300.0 (Regular)	11/02/2012 14:00	15	11/12/2012 12:03	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/02/2012 14:00	15	11/12/2012 12:03	
SM2320B	WC_ALKALINITY_2320B	11/02/2012 14:00	15	10/29/2012 12:03	carb/bicarb
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/29/2012 12:03	naphthalene must be reported
1210178-28 GW0863 [Water] Sampled 10/15/2012 11:03 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/02/2012 14:00	15	04/13/2013 12:03	Fe & Mn
1210178-29 GW8233-TB [Water] Sampled 10/15/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	11/02/2012 14:00	15	10/29/2012 09:00	naphthalene must be reported

Reviewed By

Date

WORK ORDER

Printed: 10/22/2012 12:03:45PM

1210200

Empirical Laboratories, LLC

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

Project Manager: Lorraine Noronha
Project Number: SHW_Kirtland

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

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

Due to Client: 11/12/2012 16:00 *This is the projected due date to the client, at the time of receipt, and is for report delivery via upload, and/or email, and/or shipment to meet TAT as setup by project*

Received By: Jack Deville
Date Received: 10/19/2012 17:15
Logged In By: Jack Deville
Date Logged In: 10/19/2012 17:15

Samples Received at: **3.6°C**

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

Method	Test Code	Due	TAT	Expires	Comments
1210200-01 GW0774 [Water] Sampled 10/18/2012 15:43 Mountain 'Client Sample'					
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/25/2012 16:43	
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/25/2012 16:43	
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/16/2013 16:43	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/15/2012 16:43	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/15/2012 16:43	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/15/2012 16:43	
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	11/01/2012 16:43	carb/bicarb
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	11/01/2012 16:43	Run dilutions based on 8260 results!
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	11/01/2012 16:43	
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	11/01/2012 16:43	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/25/2012 16:43	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1210200-02 GW0774 [Water] Sampled 10/18/2012 15:43 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/16/2013 16:43	Fe & Mn

1210200

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210200-03 GW0789 [Water] Sampled 10/18/2012 15:34 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	11/01/2012 16:34	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/15/2012 16:34	
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/15/2012 16:34	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/15/2012 16:34	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/25/2012 16:34	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/25/2012 16:34	
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	11/01/2012 16:34	
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	11/01/2012 16:34	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	11/01/2012 16:34	carb/bicarb
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/25/2012 16:34	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/16/2013 16:34	Ca, Pb, K, Na, Mg
1210200-04 GW0789 [Water] Sampled 10/18/2012 15:34 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/16/2013 16:34	Fe & Mn
1210200-05 GW0790 [Water] Sampled 10/18/2012 13:33 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/16/2013 14:33	Ca, Pb, K, Na, Mg
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/25/2012 14:33	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	11/01/2012 14:33	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/25/2012 14:33	
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	11/01/2012 14:33	
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	11/01/2012 14:33	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	11/01/2012 14:33	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/15/2012 14:33	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/15/2012 14:33	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/15/2012 14:33	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/25/2012 14:33	
1210200-06 GW0790 [Water] Sampled 10/18/2012 13:33 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/16/2013 14:33	Fe & Mn

1210200

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210200-07 GW0791 [Water] Sampled 10/18/2012 11:09 Mountain 'Client Sample'					
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	11/01/2012 12:09	Run dilutions based on 8260 results!
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	11/01/2012 12:09	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	11/01/2012 12:09	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/15/2012 12:09	
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/25/2012 12:09	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/25/2012 12:09	
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/16/2013 12:09	Ca, Pb, K, Na, Mg
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	11/01/2012 12:09	carb/bicarb
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/25/2012 12:09	
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/15/2012 12:09	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/15/2012 12:09	Cl, SO4
1210200-08 GW0791 [Water] Sampled 10/18/2012 11:09 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/16/2013 12:09	Fe & Mn
1210200-09 GW0799 [Water] Sampled 10/17/2012 16:07 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/14/2012 17:07	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/14/2012 17:07	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/14/2012 17:07	
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	10/31/2012 17:07	Run dilutions based on 8260 results!
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/24/2012 17:07	
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/24/2012 17:07	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	10/31/2012 17:07	
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	10/31/2012 17:07	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	10/31/2012 17:07	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/24/2012 17:07	
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/15/2013 17:07	Ca, Pb, K, Na, Mg
1210200-10 GW0799 [Water] Sampled 10/17/2012 16:07 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/15/2013 17:07	Fe & Mn

1210200

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210200-11 GW0800 [Water] Sampled 10/17/2012 13:35 Mountain 'Client Sample'					
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/14/2012 14:35	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/14/2012 14:35	Cl, SO4
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	10/31/2012 14:35	naphthalene must be reported
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/24/2012 14:35	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	10/31/2012 14:35	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/14/2012 14:35	
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	10/31/2012 14:35	
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/15/2013 14:35	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/24/2012 14:35	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/24/2012 14:35	
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	10/31/2012 14:35	Run dilutions based on 8260 results!
1210200-12 GW0800 [Water] Sampled 10/17/2012 13:35 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/15/2013 14:35	Fe & Mn
1210200-13 GW0801 [Water] Sampled 10/17/2012 11:06 Mountain 'Client Sample'					
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/24/2012 12:06	
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/15/2013 12:06	Ca, Pb, K, Na, Mg
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/24/2012 12:06	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/14/2012 12:06	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/14/2012 12:06	
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	10/31/2012 12:06	
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	10/31/2012 12:06	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	10/31/2012 12:06	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/14/2012 12:06	
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	10/31/2012 12:06	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/24/2012 12:06	requires 3-Methlphenol/4-Methylphenol/Naphthalene
1210200-14 GW0801 [Water] Sampled 10/17/2012 11:06 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/15/2013 12:06	Fe & Mn

1210200

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210200-15 GW0854 [Water] Sampled 10/18/2012 12:49 Mountain 'Client Sample'					
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/15/2012 13:49	
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/25/2012 13:49	
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	11/01/2012 13:49	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/25/2012 13:49	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	11/01/2012 13:49	
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	11/01/2012 13:49	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	11/01/2012 13:49	carb/bicarb
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/25/2012 13:49	
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/15/2012 13:49	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/15/2012 13:49	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/16/2013 13:49	Ca, Pb, K, Na, Mg
1210200-16 GW0854 [Water] Sampled 10/18/2012 12:49 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/16/2013 13:49	Fe & Mn
1210200-17 GW0864 [Water] Sampled 10/17/2012 16:11 Mountain 'Client Sample'					
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	10/31/2012 17:11	
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/15/2013 17:11	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/24/2012 17:11	
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/24/2012 17:11	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	10/31/2012 17:11	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	10/31/2012 17:11	carb/bicarb
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/14/2012 17:11	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/14/2012 17:11	Cl, SO4
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/14/2012 17:11	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/24/2012 17:11	
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	10/31/2012 17:11	Run dilutions based on 8260 results!
1210200-18 GW0864 [Water] Sampled 10/17/2012 16:11 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/15/2013 17:11	Fe & Mn

1210200

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210200-19 GW0865 [Water] Sampled 10/17/2012 13:23 Mountain 'Client Sample'					
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/14/2012 14:23	Cl, SO4
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/15/2013 14:23	Ca, Pb, K, Na, Mg
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/24/2012 14:23	
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	10/31/2012 14:23	Run dilutions based on 8260 results!
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/24/2012 14:23	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	10/31/2012 14:23	
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	10/31/2012 14:23	naphthalene must be reported
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	10/31/2012 14:23	carb/bicarb
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/14/2012 14:23	
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/14/2012 14:23	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/24/2012 14:23	
1210200-20 GW0865 [Water] Sampled 10/17/2012 13:23 Mountain 'Client Sample'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/15/2013 14:23	Fe & Mn
1210200-21 GW0866 [Water] Sampled 10/17/2012 13:23 Mountain 'Field Duplicate'					
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	10/31/2012 14:23	carb/bicarb
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	10/31/2012 14:23	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	10/31/2012 14:23	
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/24/2012 14:23	requires 3-Methlphenol/4-Methylphenol/Naphthalene
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	10/31/2012 14:23	Run dilutions based on 8260 results!
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/14/2012 14:23	
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/14/2012 14:23	Cl, SO4
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/24/2012 14:23	
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/15/2013 14:23	Ca, Pb, K, Na, Mg
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/14/2012 14:23	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/24/2012 14:23	
1210200-22 GW0866 [Water] Sampled 10/17/2012 13:23 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/15/2013 14:23	Fe & Mn

1210200

Empirical Laboratories, LLC

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

Method	Test Code	Due	TAT	Expires	Comments
1210200-23 GW0867 [Water] Sampled 10/17/2012 10:41 Mountain 'Field Duplicate'					
SW8011	SGC_EDB_8011	11/07/2012 14:00	15	10/31/2012 11:41	Run dilutions based on 8260 results!
E300.0	WC_ANIONS_300.0 (Regular)	11/07/2012 14:00	15	11/14/2012 11:41	Cl, SO4
SM4500NH3BG	WC_AMMONIA_PHENATE_4500NH3BG	11/07/2012 14:00	15	11/14/2012 11:41	
SM2320B	WC_ALKALINITY_2320B	11/07/2012 14:00	15	10/31/2012 11:41	carb/bicarb
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	10/31/2012 11:41	naphthalene must be reported
SW8015B GRO	VGC_GRO_8015B	11/07/2012 14:00	15	10/31/2012 11:41	
SW8015B DRO	SGC_DRO_8015B_3510	11/07/2012 14:00	15	10/24/2012 11:41	
SW8270D	SMS_BNA_8270D_3510_REG	11/07/2012 14:00	15	10/24/2012 11:41	requires 3-Methlphenol/4-Methylphenol/Naphthalene
E353.2	WC_NO3NO2_N_353.2	11/07/2012 14:00	15	11/14/2012 11:41	
SM4500S2CF	WC_SULFIDE_4500S2CF	11/07/2012 14:00	15	10/24/2012 11:41	
SW6010B	MET_ICP_6010B_FULL	11/07/2012 14:00	15	04/15/2013 11:41	Ca, Pb, K, Na, Mg
1210200-24 GW0867 [Water] Sampled 10/17/2012 10:41 Mountain 'Field Duplicate'					
SW6010B	MET_ICP_6010B_FULL_DIS	11/07/2012 14:00	15	04/15/2013 11:41	Fe & Mn
1210200-25 GW8234-TB [Water] Sampled 10/17/2012 08:00 Mountain 'Trip Blank'					
SW8260B	VOC_8260B_REG	11/07/2012 14:00	15	10/31/2012 09:00	naphthalene must be reported

Reviewed By

Date

Sample Delivery Group Assignment Form

CLIENT: Shaw E & I (I700)
PROJECT NAME: Kirtland AFB 2011
SDG #: Kirtland_066

QC LEVEL: Level IV
Report Due: 11/12/2012
Client Sample Count: 44

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	10/16/2012	10/17/2012	1210178-01	GW0754	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	10/16/2012	10/17/2012	1210178-02	GW0754	Water						MS/MSD
Client Sample	10/16/2012	10/17/2012	1210178-03	GW0808	Water	X	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-04	GW0808	Water						X
Client Sample	10/16/2012	10/17/2012	1210178-05	GW0809	Water	X	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-06	GW0809	Water						X
Field Duplicate	10/16/2012	10/17/2012	1210178-07	GW0810	Water	X	X	X	X	X	X
Field Duplicate	10/16/2012	10/17/2012	1210178-08	GW0810	Water						X
Client Sample	10/16/2012	10/17/2012	1210178-09	GW0811	Water	X	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-10	GW0811	Water						X
Client Sample	10/15/2012	10/17/2012	1210178-11	GW0825	Water	X	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-12	GW0825	Water						X
Client Sample	10/15/2012	10/17/2012	1210178-13	GW0826	Water	X	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-14	GW0826	Water						X
Client Sample	10/15/2012	10/17/2012	1210178-15	GW0827	Water	X	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-16	GW0827	Water						X
Client Sample	10/16/2012	10/17/2012	1210178-17	GW0855	Water	X	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-18	GW0855	Water						X
Field Duplicate	10/16/2012	10/17/2012	1210178-19	GW0856	Water	X	X	X	X	X	X
Field Duplicate	10/16/2012	10/17/2012	1210178-20	GW0856	Water						X
Client Sample	10/16/2012	10/17/2012	1210178-21	GW0857	Water	X	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-22	GW0857	Water						X
Client Sample	10/15/2012	10/17/2012	1210178-23	GW0861	Water	X	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-24	GW0861	Water						X
Client Sample	10/15/2012	10/17/2012	1210178-25	GW0862	Water	X	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-26	GW0862	Water						X
Client Sample	10/15/2012	10/17/2012	1210178-27	GW0863	Water	X	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-28	GW0863	Water						X
Trip Blank	10/15/2012	10/17/2012	1210178-29	GW8233-TB	Water						
Client Sample	10/18/2012	10/19/2012	1210200-01	GW0774	Water	X	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-02	GW0774	Water						X
Client Sample	10/18/2012	10/19/2012	1210200-03	GW0789	Water	X	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-04	GW0789	Water						X
Client Sample	10/18/2012	10/19/2012	1210200-05	GW0790	Water	X	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-06	GW0790	Water						X
Client Sample	10/18/2012	10/19/2012	1210200-07	GW0791	Water	X	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-08	GW0791	Water						X
Client Sample	10/17/2012	10/19/2012	1210200-09	GW0799	Water	X	X	X	X	X	X
Client Sample	10/17/2012	10/19/2012	1210200-10	GW0799	Water						X
Client Sample	10/17/2012	10/19/2012	1210200-11	GW0800	Water	X	X	X	X	X	X
Client Sample	10/17/2012	10/19/2012	1210200-12	GW0800	Water						X
Client Sample	10/17/2012	10/19/2012	1210200-13	GW0801	Water	X	X	X	X	X	X
Client Sample	10/17/2012	10/19/2012	1210200-14	GW0801	Water						X
Client Sample	10/18/2012	10/19/2012	1210200-15	GW0854	Water	X	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-16	GW0854	Water						X

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	E300.0	E353.2	SM2320B	SM4500NH3BG	SM4500S2CF	SW6010B
Client Sample	10/17/2012	10/19/2012	1210200-17	GW0864	Water	X	X	X	X	X	X
Client Sample	10/17/2012	10/19/2012	1210200-18	GW0864	Water						X
Client Sample	10/17/2012	10/19/2012	1210200-19	GW0865	Water	X	X	X	X	X	X
Client Sample	10/17/2012	10/19/2012	1210200-20	GW0865	Water						X
Field Duplicate	10/17/2012	10/19/2012	1210200-21	GW0866	Water	X	X	X	X	X	X
Field Duplicate	10/17/2012	10/19/2012	1210200-22	GW0866	Water						X
Field Duplicate	10/17/2012	10/19/2012	1210200-23	GW0867	Water	X	X	X	X	X	X
Field Duplicate	10/17/2012	10/19/2012	1210200-24	GW0867	Water						X
Trip Blank	10/17/2012	10/19/2012	1210200-25	GW8234-TB	Water						

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270D
Client Sample	10/16/2012	10/17/2012	1210178-01	GW0754	Water	MS/MSD	MS/MSD	MS/MSD	MS/MSD	MS/MSD
Client Sample	10/16/2012	10/17/2012	1210178-02	GW0754	Water					
Client Sample	10/16/2012	10/17/2012	1210178-03	GW0808	Water	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-04	GW0808	Water					
Client Sample	10/16/2012	10/17/2012	1210178-05	GW0809	Water	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-06	GW0809	Water					
Field Duplicate	10/16/2012	10/17/2012	1210178-07	GW0810	Water	X	X	X	X	X
Field Duplicate	10/16/2012	10/17/2012	1210178-08	GW0810	Water					
Client Sample	10/16/2012	10/17/2012	1210178-09	GW0811	Water	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-10	GW0811	Water					
Client Sample	10/15/2012	10/17/2012	1210178-11	GW0825	Water	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-12	GW0825	Water					
Client Sample	10/15/2012	10/17/2012	1210178-13	GW0826	Water	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-14	GW0826	Water					
Client Sample	10/15/2012	10/17/2012	1210178-15	GW0827	Water	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-16	GW0827	Water					
Client Sample	10/16/2012	10/17/2012	1210178-17	GW0855	Water	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-18	GW0855	Water					
Field Duplicate	10/16/2012	10/17/2012	1210178-19	GW0856	Water	X	X	X	X	X
Field Duplicate	10/16/2012	10/17/2012	1210178-20	GW0856	Water					
Client Sample	10/16/2012	10/17/2012	1210178-21	GW0857	Water	X	X	X	X	X
Client Sample	10/16/2012	10/17/2012	1210178-22	GW0857	Water					
Client Sample	10/15/2012	10/17/2012	1210178-23	GW0861	Water	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-24	GW0861	Water					
Client Sample	10/15/2012	10/17/2012	1210178-25	GW0862	Water	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-26	GW0862	Water					
Client Sample	10/15/2012	10/17/2012	1210178-27	GW0863	Water	X	X	X	X	X
Client Sample	10/15/2012	10/17/2012	1210178-28	GW0863	Water					
Trip Blank	10/15/2012	10/17/2012	1210178-29	GW8233-TB	Water				X	
Client Sample	10/18/2012	10/19/2012	1210200-01	GW0774	Water	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-02	GW0774	Water					
Client Sample	10/18/2012	10/19/2012	1210200-03	GW0789	Water	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-04	GW0789	Water					
Client Sample	10/18/2012	10/19/2012	1210200-05	GW0790	Water	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-06	GW0790	Water					
Client Sample	10/18/2012	10/19/2012	1210200-07	GW0791	Water	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-08	GW0791	Water					
Client Sample	10/17/2012	10/19/2012	1210200-09	GW0799	Water	X	X	X	X	X
Client Sample	10/17/2012	10/19/2012	1210200-10	GW0799	Water					
Client Sample	10/17/2012	10/19/2012	1210200-11	GW0800	Water	X	X	X	X	X

Sample Type	Sampled	Received	Lab ID	Client ID	Report Matrix	SW8011	SW8015B DRO	SW8015B GRO	SW8260B	SW8270D
Client Sample	10/17/2012	10/19/2012	1210200-12	GW0800	Water					
Client Sample	10/17/2012	10/19/2012	1210200-13	GW0801	Water	X	X	X	X	X
Client Sample	10/17/2012	10/19/2012	1210200-14	GW0801	Water					
Client Sample	10/18/2012	10/19/2012	1210200-15	GW0854	Water	X	X	X	X	X
Client Sample	10/18/2012	10/19/2012	1210200-16	GW0854	Water					
Client Sample	10/17/2012	10/19/2012	1210200-17	GW0864	Water	X	X	X	X	X
Client Sample	10/17/2012	10/19/2012	1210200-18	GW0864	Water					
Client Sample	10/17/2012	10/19/2012	1210200-19	GW0865	Water	X	X	X	X	X
Client Sample	10/17/2012	10/19/2012	1210200-20	GW0865	Water					
Field Duplicate	10/17/2012	10/19/2012	1210200-21	GW0866	Water	X	X	X	X	X
Field Duplicate	10/17/2012	10/19/2012	1210200-22	GW0866	Water					
Field Duplicate	10/17/2012	10/19/2012	1210200-23	GW0867	Water	X	X	X	X	X
Field Duplicate	10/17/2012	10/19/2012	1210200-24	GW0867	Water					
Trip Blank	10/17/2012	10/19/2012	1210200-25	GW8234-TB	Water				X	

Data for SW8260B Forms

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-03 [GW0808]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-05 [GW0809]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-07 [GW0810]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-09 [GW0811]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-11 [GW0825]	2J24019	5.00/5.00	5.00	5.00	5.00		10/24/12
1210178-13 [GW0826]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-15 [GW0827]	2J24019	5.00/5.00	5.00	5.00	5.00		10/24/12
1210178-17 [GW0855]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-19 [GW0856]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-21 [GW0857]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-23 [GW0861]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-25 [GW0862]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-27 [GW0863]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12
1210178-29 [GW8233-TB]	2J24019	5.00/5.00	5.00	5.00	1.00		10/24/12

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-03 [GW0789]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-05 [GW0790]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-07 [GW0791]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-11 [GW0800]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-13 [GW0801]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-15 [GW0854]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-17 [GW0864]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-19 [GW0865]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-21 [GW0866]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-23 [GW0867]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12
1210200-25 [GW8234-TB]	2J25014	5.00/5.00	5.00	5.00	1.00		10/25/12

Sample Extraction Data

Prep Method: 5030B-SW8260B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-01RE1 [GW0774]	2J26012	5.00/5.00	5.00	5.00	1.00		10/27/12
1210200-09RE1 [GW0799]	2J26012	5.00/5.00	5.00	5.00	1.00		10/27/12

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-01	File ID:	1017801.D
Sampled:	10/16/12 16:26	Prepared:	10/24/12 15:45	Analyzed:	10/24/12 15:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
71-43-2	Benzene	**0.300**	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		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)	**0.360**	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	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-01	File ID:	1017801.D
Sampled:	10/16/12 16:26	Prepared:	10/24/12 15:45	Analyzed:	10/24/12 15:45
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	**0.380**	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene	**0.280**	0.250	0.500	1.00	J
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene		0.250	0.500	1.00	U
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	UX
1330-20-7	Xylenes (total)	**1.13**	0.750	1.50	3.00	J

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.49	102	75 - 120	
Dibromofluoromethane	30.00	33.03	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.17	101	70 - 120	
Toluene-d8	30.00	29.83	99.4	85 - 120	

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-03	File ID:	1017803.D
Sampled:	10/16/12 16:09	Prepared:	10/24/12 16:14	Analyzed:	10/24/12 16:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	**2.15**	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	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-03	File ID:	1017803.D
Sampled:	10/16/12 16:09	Prepared:	10/24/12 16:14	Analyzed:	10/24/12 16:14
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.17	104	75 - 120	
Dibromofluoromethane	30.00	33.06	110	85 - 115	
1,2-Dichloroethane-d4	30.00	29.56	98.5	70 - 120	
Toluene-d8	30.00	30.46	102	85 - 120	

ANALYSIS DATA SHEET

GW0809

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-05	File ID:	1017805.D
Sampled:	10/16/12 13:59	Prepared:	10/24/12 16:43	Analyzed:	10/24/12 16:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
71-43-2	Benzene	**0.590**	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		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)	**0.810**	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	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0809

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-05	File ID:	1017805.D
Sampled:	10/16/12 13:59	Prepared:	10/24/12 16:43	Analyzed:	10/24/12 16:43
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	**0.280**	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	**0.480**	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.11	104	75 - 120	
Dibromofluoromethane	30.00	33.11	110	85 - 115	
1,2-Dichloroethane-d4	30.00	29.63	98.8	70 - 120	
Toluene-d8	30.00	30.60	102	85 - 120	

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-07	File ID:	1017807.D
Sampled:	10/16/12 13:59	Prepared:	10/24/12 17:11	Analyzed:	10/24/12 17:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
71-43-2	Benzene	**0.590**	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		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)	**0.800**	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	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-07	File ID:	1017807.D
Sampled:	10/16/12 13:59	Prepared:	10/24/12 17:11	Analyzed:	10/24/12 17:11
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	**0.290**	0.250	0.500	1.00	J
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene		0.250	0.500	1.00	U
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	**0.470**	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	UX
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.97	103	75 - 120	
Dibromofluoromethane	30.00	32.39	108	85 - 115	
1,2-Dichloroethane-d4	30.00	29.35	97.8	70 - 120	
Toluene-d8	30.00	29.95	99.8	85 - 120	

ANALYSIS DATA SHEET

GW0811

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-09	File ID:	1017809.D
Sampled:	10/16/12 11:32	Prepared:	10/24/12 17:40	Analyzed:	10/24/12 17:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
71-43-2	Benzene		0.250	0.500	1.00	U
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene		0.250	0.500	1.00	U
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		0.250	0.500	1.00	U
75-00-3	Chloroethane		0.500	1.00	2.00	U
67-66-3	Chloroform		0.250	0.500	1.00	U
74-87-3	Chloromethane		0.250	0.500	1.00	U
95-49-8	2-Chlorotoluene		0.250	0.500	1.00	U
106-43-4	4-Chlorotoluene		0.250	0.500	1.00	U
124-48-1	Dibromochloromethane		0.250	0.500	1.00	U
96-12-8	1,2-Dibromo-3-chloropropane		0.500	1.00	2.00	U
106-93-4	1,2-Dibromoethane (EDB)	**0.280**	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	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane		0.250	0.500	1.00	U
75-35-4	1,1-Dichloroethene		0.250	0.500	1.00	U
156-59-2	cis-1,2-Dichloroethene		0.250	0.500	1.00	U
156-60-5	trans-1,2-Dichloroethene		0.250	0.500	1.00	U
78-87-5	1,2-Dichloropropane		0.250	0.500	1.00	U
142-28-9	1,3-Dichloropropane		0.250	0.500	1.00	U
594-20-7	2,2-Dichloropropane		0.250	0.500	1.00	U
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0811

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-09	File ID:	1017809.D
Sampled:	10/16/12 11:32	Prepared:	10/24/12 17:40	Analyzed:	10/24/12 17:40
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.84	103	75 - 120	
Dibromofluoromethane	30.00	33.51	112	85 - 115	
1,2-Dichloroethane-d4	30.00	29.90	99.7	70 - 120	
Toluene-d8	30.00	29.95	99.8	85 - 120	

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-11	File ID:	1017811D.D
Sampled:	10/15/12 15:54	Prepared:	10/24/12 18:09	Analyzed:	10/24/12 18:09
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**119**	12.5	25.0	50.0	YD
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	UX
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-11	File ID:	1017811D.D
Sampled:	10/15/12 15:54	Prepared:	10/24/12 18:09	Analyzed:	10/24/12 18:09
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	**2.45**	1.25	2.50	5.00	JD
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	10.0	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene		1.25	2.50	5.00	U
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene		1.25	2.50	5.00	U
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	UX
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.87	103	75 - 120	
Dibromofluoromethane	30.00	32.26	108	85 - 115	
1,2-Dichloroethane-d4	30.00	29.49	98.3	70 - 120	
Toluene-d8	30.00	30.71	102	85 - 120	

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-13	File ID:	1017813.D
Sampled:	10/15/12 11:13	Prepared:	10/24/12 18:37	Analyzed:	10/24/12 18:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-13	File ID:	1017813.D
Sampled:	10/15/12 11:13	Prepared:	10/24/12 18:37	Analyzed:	10/24/12 18:37
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.37	105	75 - 120	
Dibromofluoromethane	30.00	32.66	109	85 - 115	
1,2-Dichloroethane-d4	30.00	29.88	99.6	70 - 120	
Toluene-d8	30.00	30.33	101	85 - 120	

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-15	File ID:	1017815D.D
Sampled:	10/15/12 13:37	Prepared:	10/24/12 19:06	Analyzed:	10/24/12 19:06
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**254**	12.5	25.0	50.0	YD
71-43-2	Benzene		1.25	2.50	5.00	U
108-86-1	Bromobenzene		1.25	2.50	5.00	U
74-97-5	Bromochloromethane		1.25	2.50	5.00	U
75-27-4	Bromodichloromethane		1.25	2.50	5.00	U
75-25-2	Bromoform		1.25	2.50	5.00	U
74-83-9	Bromomethane		2.50	5.00	10.0	U
104-51-8	n-Butylbenzene		1.25	2.50	5.00	U
78-93-3	2-Butanone		12.5	25.0	50.0	U
135-98-8	sec-Butylbenzene		1.25	2.50	5.00	U
98-06-6	tert-Butylbenzene		1.25	2.50	5.00	U
75-15-0	Carbon disulfide		1.25	2.50	5.00	U
56-23-5	Carbon tetrachloride		1.25	2.50	5.00	U
108-90-7	Chlorobenzene		1.25	2.50	5.00	U
75-00-3	Chloroethane		2.50	5.00	10.0	U
67-66-3	Chloroform		1.25	2.50	5.00	U
74-87-3	Chloromethane		1.25	2.50	5.00	U
95-49-8	2-Chlorotoluene		1.25	2.50	5.00	U
106-43-4	4-Chlorotoluene		1.25	2.50	5.00	U
124-48-1	Dibromochloromethane		1.25	2.50	5.00	U
96-12-8	1,2-Dibromo-3-chloropropane		2.50	5.00	10.0	U
106-93-4	1,2-Dibromoethane (EDB)		1.25	2.50	5.00	U
74-95-3	Dibromomethane		1.25	2.50	5.00	U
95-50-1	1,2-Dichlorobenzene		1.25	2.50	5.00	U
541-73-1	1,3-Dichlorobenzene		1.25	2.50	5.00	U
106-46-7	1,4-Dichlorobenzene		1.25	2.50	5.00	U
75-71-8	Dichlorodifluoromethane		2.50	5.00	10.0	UX
75-34-3	1,1-Dichloroethane		1.25	2.50	5.00	U
107-06-2	1,2-Dichloroethane		1.25	2.50	5.00	U
75-35-4	1,1-Dichloroethene		1.25	2.50	5.00	U
156-59-2	cis-1,2-Dichloroethene		1.25	2.50	5.00	U
156-60-5	trans-1,2-Dichloroethene		1.25	2.50	5.00	U
78-87-5	1,2-Dichloropropane		1.25	2.50	5.00	U
142-28-9	1,3-Dichloropropane		1.25	2.50	5.00	U
594-20-7	2,2-Dichloropropane		1.25	2.50	5.00	U
563-58-6	1,1-Dichloropropene		1.25	2.50	5.00	U
10061-01-5	cis-1,3-Dichloropropene		1.25	2.50	5.00	U
10061-02-6	trans-1,3-Dichloropropene		1.25	2.50	5.00	U
100-41-4	Ethylbenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	10.0	U

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-15	File ID:	1017815D.D
Sampled:	10/15/12 13:37	Prepared:	10/24/12 19:06	Analyzed:	10/24/12 19:06
Solids:		Preparation:	5030B	Dilution:	5

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		6.25	12.5	25.0	U
98-82-8	Isopropylbenzene	**2.30**	1.25	2.50	5.00	JD
99-87-6	p-Isopropyltoluene		1.25	2.50	5.00	U
75-09-2	Methylene chloride		2.50	5.00	10.0	U
91-20-3	Naphthalene		1.25	2.50	10.0	U
108-10-1	4-Methyl-2-pentanone		6.25	12.5	25.0	U
1634-04-4	Methyl t-Butyl Ether		1.25	2.50	5.00	U
103-65-1	n-Propylbenzene		1.25	2.50	5.00	U
100-42-5	Styrene		1.25	2.50	5.00	U
79-34-5	1,1,2,2-Tetrachloroethane		1.25	2.50	5.00	U
630-20-6	1,1,1,2-Tetrachloroethane		1.25	2.50	5.00	U
127-18-4	Tetrachloroethene		1.25	2.50	5.00	U
108-88-3	Toluene		1.25	2.50	5.00	U
87-61-6	1,2,3-Trichlorobenzene		1.25	2.50	10.0	U
120-82-1	1,2,4-Trichlorobenzene		1.25	2.50	10.0	U
79-00-5	1,1,2-Trichloroethane		1.25	2.50	5.00	U
71-55-6	1,1,1-Trichloroethane		1.25	2.50	5.00	U
79-01-6	Trichloroethene		1.25	2.50	5.00	U
75-69-4	Trichlorofluoromethane		2.50	5.00	10.0	U
96-18-4	1,2,3-Trichloropropane		2.50	5.00	10.0	U
108-67-8	1,3,5-Trimethylbenzene		1.25	2.50	5.00	U
95-63-6	1,2,4-Trimethylbenzene		1.25	2.50	5.00	U
75-01-4	Vinyl chloride		1.25	2.50	5.00	UX
1330-20-7	Xylenes (total)		3.75	7.50	15.0	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.91	103	75 - 120	
Dibromofluoromethane	30.00	32.55	108	85 - 115	
1,2-Dichloroethane-d4	30.00	29.21	97.4	70 - 120	
Toluene-d8	30.00	30.68	102	85 - 120	

ANALYSIS DATA SHEET

GW0855

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-17	File ID:	1017817.D
Sampled:	10/16/12 14:01	Prepared:	10/24/12 19:35	Analyzed:	10/24/12 19:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0855

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-17	File ID:	1017817.D
Sampled:	10/16/12 14:01	Prepared:	10/24/12 19:35	Analyzed:	10/24/12 19:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.69	102	75 - 120	
Dibromofluoromethane	30.00	32.94	110	85 - 115	
1,2-Dichloroethane-d4	30.00	29.84	99.5	70 - 120	
Toluene-d8	30.00	30.24	101	85 - 120	

ANALYSIS DATA SHEET

GW0856

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-19	File ID:	1017819.D
Sampled:	10/16/12 14:01	Prepared:	10/24/12 20:03	Analyzed:	10/24/12 20:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0856

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-19	File ID:	1017819.D
Sampled:	10/16/12 14:01	Prepared:	10/24/12 20:03	Analyzed:	10/24/12 20:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.64	102	75 - 120	
Dibromofluoromethane	30.00	32.37	108	85 - 115	
1,2-Dichloroethane-d4	30.00	29.61	98.7	70 - 120	
Toluene-d8	30.00	30.10	100	85 - 120	

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-21	File ID:	1017821.D
Sampled:	10/16/12 11:28	Prepared:	10/24/12 20:32	Analyzed:	10/24/12 20:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-21	File ID:	1017821.D
Sampled:	10/16/12 11:28	Prepared:	10/24/12 20:32	Analyzed:	10/24/12 20:32
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.90	103	75 - 120	
Dibromofluoromethane	30.00	33.07	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.27	101	70 - 120	
Toluene-d8	30.00	30.14	100	85 - 120	

ANALYSIS DATA SHEET

GW0861

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-23	File ID:	1017823.D
Sampled:	10/15/12 16:23	Prepared:	10/24/12 21:01	Analyzed:	10/24/12 21:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0861

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-23	File ID:	1017823.D
Sampled:	10/15/12 16:23	Prepared:	10/24/12 21:01	Analyzed:	10/24/12 21:01
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.22	101	75 - 120	
Dibromofluoromethane	30.00	33.15	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.06	100	70 - 120	
Toluene-d8	30.00	29.95	99.8	85 - 120	

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-25	File ID:	1017825.D
Sampled:	10/15/12 13:40	Prepared:	10/24/12 21:29	Analyzed:	10/24/12 21:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-25	File ID:	1017825.D
Sampled:	10/15/12 13:40	Prepared:	10/24/12 21:29	Analyzed:	10/24/12 21:29
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.76	103	75 - 120	
Dibromofluoromethane	30.00	32.73	109	85 - 115	
1,2-Dichloroethane-d4	30.00	30.15	100	70 - 120	
Toluene-d8	30.00	29.83	99.4	85 - 120	

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-27	File ID:	1017827.D
Sampled:	10/15/12 11:03	Prepared:	10/24/12 21:58	Analyzed:	10/24/12 21:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-27	File ID:	1017827.D
Sampled:	10/15/12 11:03	Prepared:	10/24/12 21:58	Analyzed:	10/24/12 21:58
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.64	102	75 - 120	
Dibromofluoromethane	30.00	32.44	108	85 - 115	
1,2-Dichloroethane-d4	30.00	29.62	98.7	70 - 120	
Toluene-d8	30.00	29.72	99.1	85 - 120	

ANALYSIS DATA SHEET

GW8233-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-29	File ID:	1017829.D
Sampled:	10/15/12 08:00	Prepared:	10/24/12 14:19	Analyzed:	10/24/12 14:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8233-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-29	File ID:	1017829.D
Sampled:	10/15/12 08:00	Prepared:	10/24/12 14:19	Analyzed:	10/24/12 14:19
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.52	105	75 - 120	
Dibromofluoromethane	30.00	32.50	108	85 - 115	
1,2-Dichloroethane-d4	30.00	29.64	98.8	70 - 120	
Toluene-d8	30.00	30.12	100	85 - 120	

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-01RE1	File ID:	1020001R.D
Sampled:	10/18/12 15:43	Prepared:	10/27/12 02:35	Analyzed:	10/27/12 02:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J26012 Sequence: 2J30313 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone		2.50	5.00	10.0	UY
71-43-2	Benzene	**0.280**	0.250	0.500	1.00	J
108-86-1	Bromobenzene		0.250	0.500	1.00	U
74-97-5	Bromochloromethane		0.250	0.500	1.00	U
75-27-4	Bromodichloromethane		0.250	0.500	1.00	U
75-25-2	Bromoform		0.250	0.500	1.00	U
74-83-9	Bromomethane		0.500	1.00	2.00	U
104-51-8	n-Butylbenzene		0.250	0.500	1.00	U
78-93-3	2-Butanone		2.50	5.00	10.0	U
135-98-8	sec-Butylbenzene	**0.420**	0.250	0.500	1.00	J
98-06-6	tert-Butylbenzene		0.250	0.500	1.00	U
75-15-0	Carbon disulfide		0.250	0.500	1.00	U
56-23-5	Carbon tetrachloride		0.250	0.500	1.00	U
108-90-7	Chlorobenzene		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)	**0.540**	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	UX
75-34-3	1,1-Dichloroethane		0.250	0.500	1.00	U
107-06-2	1,2-Dichloroethane	**0.270**	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	UY
563-58-6	1,1-Dichloropropene		0.250	0.500	1.00	U
10061-01-5	cis-1,3-Dichloropropene		0.250	0.500	1.00	U
10061-02-6	trans-1,3-Dichloropropene		0.250	0.500	1.00	U
100-41-4	Ethylbenzene		0.250	0.500	1.00	U
87-68-3	Hexachlorobutadiene		0.250	0.500	2.00	U

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-01RE1	File ID:	1020001R.D
Sampled:	10/18/12 15:43	Prepared:	10/27/12 02:35	Analyzed:	10/27/12 02:35
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J26012 Sequence: 2J30313 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone		1.25	2.50	5.00	U
98-82-8	Isopropylbenzene	**3.73**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene		0.250	0.500	1.00	U
75-09-2	Methylene chloride		0.500	1.00	2.00	U
91-20-3	Naphthalene		0.250	0.500	2.00	U
108-10-1	4-Methyl-2-pentanone		1.25	2.50	5.00	U
1634-04-4	Methyl t-Butyl Ether		0.250	0.500	1.00	U
103-65-1	n-Propylbenzene	**0.280**	0.250	0.500	1.00	J
100-42-5	Styrene		0.250	0.500	1.00	U
79-34-5	1,1,2,2-Tetrachloroethane		0.250	0.500	1.00	U
630-20-6	1,1,1,2-Tetrachloroethane		0.250	0.500	1.00	U
127-18-4	Tetrachloroethene		0.250	0.500	1.00	U
108-88-3	Toluene		0.250	0.500	1.00	U
87-61-6	1,2,3-Trichlorobenzene		0.250	0.500	2.00	U
120-82-1	1,2,4-Trichlorobenzene		0.250	0.500	2.00	U
79-00-5	1,1,2-Trichloroethane		0.250	0.500	1.00	U
71-55-6	1,1,1-Trichloroethane		0.250	0.500	1.00	U
79-01-6	Trichloroethene		0.250	0.500	1.00	U
75-69-4	Trichlorofluoromethane		0.500	1.00	2.00	U
96-18-4	1,2,3-Trichloropropane		0.500	1.00	2.00	U
108-67-8	1,3,5-Trimethylbenzene	**0.280**	0.250	0.500	1.00	J
95-63-6	1,2,4-Trimethylbenzene		0.250	0.500	1.00	U
75-01-4	Vinyl chloride		0.250	0.500	1.00	U
1330-20-7	Xylenes (total)		0.750	1.50	3.00	U

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.35	94.5	75 - 120	
Dibromofluoromethane	30.00	29.38	97.9	85 - 115	
1,2-Dichloroethane-d4	30.00	29.67	98.9	70 - 120	
Toluene-d8	30.00	29.27	97.6	85 - 120	

ANALYSIS DATA SHEET

GW0789

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-03	File ID:	1020003.D
Sampled:	10/18/12 15:34	Prepared:	10/25/12 15:50	Analyzed:	10/25/12 15:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0789

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-03	File ID:	1020003.D
Sampled:	10/18/12 15:34	Prepared:	10/25/12 15:50	Analyzed:	10/25/12 15:50
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.90	103	75 - 120	
Dibromofluoromethane	30.00	33.07	110	85 - 115	
1,2-Dichloroethane-d4	30.00	29.81	99.4	70 - 120	
Toluene-d8	30.00	30.42	101	85 - 120	

ANALYSIS DATA SHEET

GW0790

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-05	File ID:	1020005.D
Sampled:	10/18/12 13:33	Prepared:	10/25/12 16:18	Analyzed:	10/25/12 16:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0790

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-05	File ID:	1020005.D
Sampled:	10/18/12 13:33	Prepared:	10/25/12 16:18	Analyzed:	10/25/12 16:18
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.16	104	75 - 120	
Dibromofluoromethane	30.00	32.86	110	85 - 115	
1,2-Dichloroethane-d4	30.00	29.69	99.0	70 - 120	
Toluene-d8	30.00	30.28	101	85 - 120	

ANALYSIS DATA SHEET

GW0791

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-07	File ID:	1020007.D
Sampled:	10/18/12 11:09	Prepared:	10/25/12 16:47	Analyzed:	10/25/12 16:47
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0791

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-07	File ID:	1020007.D
Sampled:	10/18/12 11:09	Prepared:	10/25/12 16:47	Analyzed:	10/25/12 16:47
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.69	102	75 - 120	
Dibromofluoromethane	30.00	33.48	112	85 - 115	
1,2-Dichloroethane-d4	30.00	29.97	99.9	70 - 120	
Toluene-d8	30.00	29.93	99.8	85 - 120	

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-09RE1	File ID:	1020009R.D
Sampled:	10/17/12 16:07	Prepared:	10/27/12 03:03	Analyzed:	10/27/12 03:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J26012 Sequence: 2J30313 Calibration: 2291001 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-09RE1	File ID:	1020009R.D
Sampled:	10/17/12 16:07	Prepared:	10/27/12 03:03	Analyzed:	10/27/12 03:03
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J26012 Sequence: 2J30313 Calibration: 2291001 Instrument: MS-VOA5

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	27.14	90.5	75 - 120	
Dibromofluoromethane	30.00	29.21	97.4	85 - 115	
1,2-Dichloroethane-d4	30.00	30.87	103	70 - 120	
Toluene-d8	30.00	29.04	96.8	85 - 120	

ANALYSIS DATA SHEET

GW0800

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-11	File ID:	1020011.D
Sampled:	10/17/12 13:35	Prepared:	10/25/12 17:16	Analyzed:	10/25/12 17:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0800

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-11	File ID:	1020011.D
Sampled:	10/17/12 13:35	Prepared:	10/25/12 17:16	Analyzed:	10/25/12 17:16
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.34	104	75 - 120	
Dibromofluoromethane	30.00	32.92	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.48	102	70 - 120	
Toluene-d8	30.00	30.23	101	85 - 120	

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-13	File ID:	1020013.D
Sampled:	10/17/12 11:06	Prepared:	10/25/12 17:44	Analyzed:	10/25/12 17:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-13	File ID:	1020013.D
Sampled:	10/17/12 11:06	Prepared:	10/25/12 17:44	Analyzed:	10/25/12 17:44
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.92	103	75 - 120	
Dibromofluoromethane	30.00	33.21	111	85 - 115	
1,2-Dichloroethane-d4	30.00	30.72	102	70 - 120	
Toluene-d8	30.00	30.05	100	85 - 120	

ANALYSIS DATA SHEET

GW0854

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-15	File ID:	1020015.D
Sampled:	10/18/12 12:49	Prepared:	10/25/12 18:13	Analyzed:	10/25/12 18:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0854

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-15	File ID:	1020015.D
Sampled:	10/18/12 12:49	Prepared:	10/25/12 18:13	Analyzed:	10/25/12 18:13
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.52	105	75 - 120	
Dibromofluoromethane	30.00	33.55	112	85 - 115	
1,2-Dichloroethane-d4	30.00	30.41	101	70 - 120	
Toluene-d8	30.00	30.55	102	85 - 120	

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-17	File ID:	1020017.D
Sampled:	10/17/12 16:11	Prepared:	10/25/12 18:42	Analyzed:	10/25/12 18:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-17	File ID:	1020017.D
Sampled:	10/17/12 16:11	Prepared:	10/25/12 18:42	Analyzed:	10/25/12 18:42
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.09	104	75 - 120	
Dibromofluoromethane	30.00	33.13	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.11	100	70 - 120	
Toluene-d8	30.00	29.68	98.9	85 - 120	

ANALYSIS DATA SHEET

GW0865

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-19	File ID:	1020019.D
Sampled:	10/17/12 13:23	Prepared:	10/25/12 19:10	Analyzed:	10/25/12 19:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0865

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-19	File ID:	1020019.D
Sampled:	10/17/12 13:23	Prepared:	10/25/12 19:10	Analyzed:	10/25/12 19:10
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.03	103	75 - 120	
Dibromofluoromethane	30.00	32.99	110	85 - 115	
1,2-Dichloroethane-d4	30.00	29.70	99.0	70 - 120	
Toluene-d8	30.00	30.22	101	85 - 120	

ANALYSIS DATA SHEET

GW0866

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-21	File ID:	1020021.D
Sampled:	10/17/12 13:23	Prepared:	10/25/12 19:39	Analyzed:	10/25/12 19:39
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0866

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-21	File ID:	1020021.D
Sampled:	10/17/12 13:23	Prepared:	10/25/12 19:39	Analyzed:	10/25/12 19:39
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.19	104	75 - 120	
Dibromofluoromethane	30.00	33.52	112	85 - 115	
1,2-Dichloroethane-d4	30.00	30.13	100	70 - 120	
Toluene-d8	30.00	30.56	102	85 - 120	

ANALYSIS DATA SHEET

GW0867

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-23	File ID:	1020023.D
Sampled:	10/17/12 10:41	Prepared:	10/25/12 20:08	Analyzed:	10/25/12 20:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW0867

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-23	File ID:	1020023.D
Sampled:	10/17/12 10:41	Prepared:	10/25/12 20:08	Analyzed:	10/25/12 20:08
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	30.77	103	75 - 120	
Dibromofluoromethane	30.00	33.60	112	85 - 115	
1,2-Dichloroethane-d4	30.00	30.11	100	70 - 120	
Toluene-d8	30.00	30.39	101	85 - 120	

ANALYSIS DATA SHEET

GW8234-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-25	File ID:	1020025.D
Sampled:	10/17/12 08:00	Prepared:	10/25/12 20:36	Analyzed:	10/25/12 20:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

GW8234-TB

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-25	File ID:	1020025.D
Sampled:	10/17/12 08:00	Prepared:	10/25/12 20:36	Analyzed:	10/25/12 20:36
Solids:		Preparation:	5030B	Dilution:	1

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

Total Target Analytes Reported: 64

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.41	105	75 - 120	
Dibromofluoromethane	30.00	32.69	109	85 - 115	
1,2-Dichloroethane-d4	30.00	29.75	99.2	70 - 120	
Toluene-d8	30.00	30.39	101	85 - 120	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29905	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29905-CCV1) ug/L				Lab File ID: 1024CCV1.D		Analyzed: 10/24/12 10:58		
Bromofluorobenzene	30.00	105	80 - 120	12.07	12.07	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	80 - 120	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.3	80 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.46	9.46	0.0000	+/-1.000	
LCS (2J24019-BS1) ug/L				Lab File ID: 1024LCS1.D		Analyzed: 10/24/12 11:27		
Bromofluorobenzene	30.00	105	75 - 120	12.07	12.07	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	
Blank (2J24019-BLK1) ug/L				Lab File ID: 1024BLK1.D		Analyzed: 10/24/12 12:53		
Bromofluorobenzene	30.00	104	75 - 120	12.07	12.07	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.74	6.75	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.9	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW8233-TB (1210178-29) ug/L				Lab File ID: 1017829.D		Analyzed: 10/24/12 14:19		
Bromofluorobenzene	30.00	105	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.8	70 - 120	7.24	7.25	-0.0100	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0754 (1210178-01) ug/L				Lab File ID: 1017801.D		Analyzed: 10/24/12 15:45		
Bromofluorobenzene	30.00	102	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	99.4	85 - 120	9.47	9.46	0.0100	+/-1.000	
GW0808 (1210178-03) ug/L				Lab File ID: 1017803.D		Analyzed: 10/24/12 16:14		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.5	70 - 120	7.24	7.25	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0809 (1210178-05) ug/L				Lab File ID: 1017805.D		Analyzed: 10/24/12 16:43		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.76	6.75	0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.8	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29905	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0810 (1210178-07) ug/L				Lab File ID: 1017807.D		Analyzed: 10/24/12 17:11		
Bromofluorobenzene	30.00	103	75 - 120	12.07	12.07	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.8	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0811 (1210178-09) ug/L				Lab File ID: 1017809.D		Analyzed: 10/24/12 17:40		
Bromofluorobenzene	30.00	103	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.7	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.47	9.46	0.0100	+/-1.000	
GW0825 (1210178-11) ug/L				Lab File ID: 1017811D.D		Analyzed: 10/24/12 18:09		
Bromofluorobenzene	30.00	103	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.3	70 - 120	7.24	7.25	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0826 (1210178-13) ug/L				Lab File ID: 1017813.D		Analyzed: 10/24/12 18:37		
Bromofluorobenzene	30.00	105	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.6	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0827 (1210178-15) ug/L				Lab File ID: 1017815D.D		Analyzed: 10/24/12 19:06		
Bromofluorobenzene	30.00	103	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.4	70 - 120	7.24	7.25	-0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0855 (1210178-17) ug/L				Lab File ID: 1017817.D		Analyzed: 10/24/12 19:35		
Bromofluorobenzene	30.00	102	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.5	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0856 (1210178-19) ug/L				Lab File ID: 1017819.D		Analyzed: 10/24/12 20:03		
Bromofluorobenzene	30.00	102	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.7	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.47	9.46	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29905	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0857 (1210178-21) ug/L				Lab File ID: 1017821.D		Analyzed: 10/24/12 20:32		
Bromofluorobenzene	30.00	103	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0861 (1210178-23) ug/L				Lab File ID: 1017823.D		Analyzed: 10/24/12 21:01		
Bromofluorobenzene	30.00	101	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0862 (1210178-25) ug/L				Lab File ID: 1017825.D		Analyzed: 10/24/12 21:29		
Bromofluorobenzene	30.00	103	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	99.4	85 - 120	9.47	9.46	0.0100	+/-1.000	
GW0863 (1210178-27) ug/L				Lab File ID: 1017827.D		Analyzed: 10/24/12 21:58		
Bromofluorobenzene	30.00	102	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.7	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	99.1	85 - 120	9.47	9.46	0.0100	+/-1.000	
Matrix Spike (2J24019-MS1) ug/L				Lab File ID: 1017801M.D		Analyzed: 10/24/12 22:27		
Bromofluorobenzene	30.00	106	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.47	9.46	0.0100	+/-1.000	
Matrix Spike Dup (2J24019-MSD1) ug/L				Lab File ID: 1017801S.D		Analyzed: 10/24/12 22:55		
Bromofluorobenzene	30.00	107	75 - 120	12.08	12.07	0.0100	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.4	70 - 120	7.25	7.25	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.47	9.46	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30305	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J30305-CCV1) ug/L				Lab File ID: 1025CCV1.D		Analyzed: 10/25/12 10:34		
Bromofluorobenzene	30.00	106	80 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	80 - 120	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.0	80 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.46	9.46	0.0000	+/-1.000	
LCS (2J25014-BS1) ug/L				Lab File ID: 1025LCS1.D		Analyzed: 10/25/12 11:03		
Bromofluorobenzene	30.00	106	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	108	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.0	70 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	
Blank (2J25014-BLK1) ug/L				Lab File ID: 1025BLK1.D		Analyzed: 10/25/12 12:29		
Bromofluorobenzene	30.00	106	75 - 120	12.07	12.08	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0789 (1210200-03) ug/L				Lab File ID: 1020003.D		Analyzed: 10/25/12 15:50		
Bromofluorobenzene	30.00	103	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.4	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.47	9.46	0.0100	+/-1.000	
GW0790 (1210200-05) ug/L				Lab File ID: 1020005.D		Analyzed: 10/25/12 16:18		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.0	70 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0791 (1210200-07) ug/L				Lab File ID: 1020007.D		Analyzed: 10/25/12 16:47		
Bromofluorobenzene	30.00	102	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.9	70 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	99.8	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0800 (1210200-11) ug/L				Lab File ID: 1020011.D		Analyzed: 10/25/12 17:16		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.74	6.75	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30305	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0801 (1210200-13) ug/L				Lab File ID: 1020013.D		Analyzed: 10/25/12 17:44		
Bromofluorobenzene	30.00	103	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	111	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	100	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0854 (1210200-15) ug/L				Lab File ID: 1020015.D		Analyzed: 10/25/12 18:13		
Bromofluorobenzene	30.00	105	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.74	6.75	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0864 (1210200-17) ug/L				Lab File ID: 1020017.D		Analyzed: 10/25/12 18:42		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	98.9	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0865 (1210200-19) ug/L				Lab File ID: 1020019.D		Analyzed: 10/25/12 19:10		
Bromofluorobenzene	30.00	103	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	110	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.0	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0866 (1210200-21) ug/L				Lab File ID: 1020021.D		Analyzed: 10/25/12 19:39		
Bromofluorobenzene	30.00	104	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.74	6.75	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.25	7.24	0.0100	+/-1.000	
Toluene-d8	30.00	102	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW0867 (1210200-23) ug/L				Lab File ID: 1020023.D		Analyzed: 10/25/12 20:08		
Bromofluorobenzene	30.00	103	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	112	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	100	70 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	
GW8234-TB (1210200-25) ug/L				Lab File ID: 1020025.D		Analyzed: 10/25/12 20:36		
Bromofluorobenzene	30.00	105	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	99.2	70 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.46	9.46	0.0000	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30305	Instrument:	MS-VOA6
		Calibration:	2121003

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
LCS Dup (2J25014-BSD1) ug/L				Lab File ID: 1025LCD1.D		Analyzed: 10/25/12 22:31		
Bromofluorobenzene	30.00	108	75 - 120	12.08	12.08	0.0000	+/-1.000	
Dibromofluoromethane	30.00	109	85 - 115	6.75	6.75	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	97.4	70 - 120	7.24	7.24	0.0000	+/-1.000	
Toluene-d8	30.00	101	85 - 120	9.47	9.46	0.0100	+/-1.000	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30313	Instrument:	MS-VOA5
		Calibration:	2291001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J30313-CCV1) ug/L				Lab File ID: 1026CCVE.D		Analyzed: 10/26/12 21:03		
Bromofluorobenzene	30.00	100	80 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	102	80 - 120	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	101	80 - 120	7.08	7.08	0.0000	+/-1.000	
Toluene-d8	30.00	102	80 - 120	9.32	9.32	0.0000	+/-1.000	
LCS (2J26012-BS1) ug/L				Lab File ID: 1026LCSE.D		Analyzed: 10/26/12 21:31		
Bromofluorobenzene	30.00	97.9	75 - 120	11.94	11.95	-0.0100	+/-1.000	
Dibromofluoromethane	30.00	101	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	102	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	98.1	85 - 120	9.31	9.32	-0.0100	+/-1.000	
Blank (2J26012-BLK1) ug/L				Lab File ID: 1026BLKE.D		Analyzed: 10/26/12 22:54		
Bromofluorobenzene	30.00	93.9	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	99.8	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	105	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	97.1	85 - 120	9.32	9.32	0.0000	+/-1.000	
GW0774 (1210200-01RE1) ug/L				Lab File ID: 1020001R.D		Analyzed: 10/27/12 02:35		
Bromofluorobenzene	30.00	94.5	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.9	85 - 115	6.57	6.57	0.0000	+/-1.000	
1,2-Dichloroethane-d4	30.00	98.9	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	97.6	85 - 120	9.32	9.32	0.0000	+/-1.000	
GW0799 (1210200-09RE1) ug/L				Lab File ID: 1020009R.D		Analyzed: 10/27/12 03:03		
Bromofluorobenzene	30.00	90.5	75 - 120	11.95	11.95	0.0000	+/-1.000	
Dibromofluoromethane	30.00	97.4	85 - 115	6.56	6.57	-0.0100	+/-1.000	
1,2-Dichloroethane-d4	30.00	103	70 - 120	7.07	7.08	-0.0100	+/-1.000	
Toluene-d8	30.00	96.8	85 - 120	9.32	9.32	0.0000	+/-1.000	

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24019	Laboratory ID:	2J24019-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	80.0	80.0	40 - 140
Benzene	50.00	45.3	90.7	80 - 120
Bromobenzene	50.00	45.5	91.1	75 - 125
Bromochloromethane	50.00	50.6	101	65 - 130
Bromodichloromethane	50.00	49.4	98.8	75 - 120
Bromoform	50.00	51.5	103	70 - 130
Bromomethane	50.00	48.7	97.4	30 - 145
n-Butylbenzene	50.00	42.4	84.8	70 - 135
2-Butanone	100.0	82.7	82.7	30 - 150
sec-Butylbenzene	50.00	41.4	82.7	70 - 125
tert-Butylbenzene	50.00	45.5	90.9	70 - 130
Carbon disulfide	50.00	39.7	79.4	35 - 160
Carbon tetrachloride	50.00	56.0	112	65 - 140
Chlorobenzene	50.00	44.2	88.4	80 - 120
Chloroethane	50.00	47.0	93.9	60 - 135
Chloroform	50.00	46.8	93.6	65 - 135
Chloromethane	50.00	39.6	79.1	40 - 125
2-Chlorotoluene	50.00	41.3	82.6	75 - 125
4-Chlorotoluene	50.00	41.4	82.8	75 - 130
Dibromochloromethane	50.00	49.9	99.9	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.9	91.9	50 - 130
1,2-Dibromoethane (EDB)	50.00	46.3	92.7	80 - 120
Dibromomethane	50.00	45.9	91.8	75 - 125
1,2-Dichlorobenzene	50.00	43.7	87.4	70 - 120
1,3-Dichlorobenzene	50.00	43.5	87.1	75 - 125
1,4-Dichlorobenzene	50.00	47.4	94.9	75 - 125
Dichlorodifluoromethane	50.00	48.8	97.6	30 - 155
1,1-Dichloroethane	50.00	45.1	90.2	70 - 135
1,2-Dichloroethane	50.00	50.8	102	70 - 130
1,1-Dichloroethene	50.00	41.8	83.6	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24019	Laboratory ID:	2J24019-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	47.0	94.0	70 - 125
trans-1,2-Dichloroethene	50.00	44.9	89.8	60 - 140
1,2-Dichloropropane	50.00	45.8	91.6	75 - 125
1,3-Dichloropropane	50.00	45.9	91.8	75 - 125
2,2-Dichloropropane	50.00	55.0	110	70 - 135
1,1-Dichloropropene	50.00	45.4	90.8	75 - 130
cis-1,3-Dichloropropene	50.00	54.2	108	70 - 130
trans-1,3-Dichloropropene	50.00	49.6	99.2	55 - 140
Ethylbenzene	50.00	45.7	91.3	75 - 125
Hexachlorobutadiene	50.00	45.6	91.2	50 - 140
2-Hexanone	100.0	93.4	93.4	55 - 130
Isopropylbenzene	50.00	47.4	94.9	75 - 125
p-Isopropyltoluene	50.00	45.1	90.3	75 - 130
Methylene chloride	50.00	42.3	84.5	55 - 140
Naphthalene	50.00	45.7	91.4	55 - 140
4-Methyl-2-pentanone	100.0	97.8	97.8	60 - 135
Methyl t-Butyl Ether	50.00	48.3	96.6	65 - 125
n-Propylbenzene	50.00	40.4	80.9	70 - 130
Styrene	50.00	48.5	97.1	65 - 135
1,1,2,2-Tetrachloroethane	50.00	40.4	80.7	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.3	109	80 - 130
Tetrachloroethene	50.00	45.4	90.8	45 - 150
Toluene	50.00	46.7	93.4	75 - 120
1,2,3-Trichlorobenzene	50.00	44.0	88.0	55 - 140
1,2,4-Trichlorobenzene	50.00	44.0	88.0	65 - 135
1,1,2-Trichloroethane	50.00	44.7	89.4	75 - 125
1,1,1-Trichloroethane	50.00	53.0	106	65 - 130
Trichloroethene	50.00	48.1	96.2	70 - 125
Trichlorofluoromethane	50.00	46.5	93.0	60 - 145
1,2,3-Trichloropropane	50.00	49.8	99.6	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24019	Laboratory ID:	2J24019-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	47.4	94.9	75 - 130
1,2,4-Trimethylbenzene	50.00	46.8	93.7	75 - 130
Vinyl chloride	50.00	61.7	123	50 - 145
Xylenes (total)	150.0	134	89.3	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25014	Laboratory ID:	2J25014-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	75.6	75.6	40 - 140
Benzene	50.00	44.3	88.6	80 - 120
Bromobenzene	50.00	46.0	92.1	75 - 125
Bromochloromethane	50.00	49.3	98.6	65 - 130
Bromodichloromethane	50.00	49.2	98.5	75 - 120
Bromoform	50.00	48.3	96.6	70 - 130
Bromomethane	50.00	47.4	94.8	30 - 145
n-Butylbenzene	50.00	42.7	85.3	70 - 135
2-Butanone	100.0	79.7	79.7	30 - 150
sec-Butylbenzene	50.00	42.6	85.3	70 - 125
tert-Butylbenzene	50.00	47.0	93.9	70 - 130
Carbon disulfide	50.00	38.8	77.6	35 - 160
Carbon tetrachloride	50.00	56.8	114	65 - 140
Chlorobenzene	50.00	44.5	89.0	80 - 120
Chloroethane	50.00	46.5	93.0	60 - 135
Chloroform	50.00	46.7	93.4	65 - 135
Chloromethane	50.00	39.2	78.3	40 - 125
2-Chlorotoluene	50.00	42.1	84.1	75 - 125
4-Chlorotoluene	50.00	42.6	85.2	75 - 130
Dibromochloromethane	50.00	48.4	96.8	60 - 135
1,2-Dibromo-3-chloropropane	50.00	42.6	85.1	50 - 130
1,2-Dibromoethane (EDB)	50.00	45.4	90.7	80 - 120
Dibromomethane	50.00	44.8	89.5	75 - 125
1,2-Dichlorobenzene	50.00	44.4	88.7	70 - 120
1,3-Dichlorobenzene	50.00	44.1	88.1	75 - 125
1,4-Dichlorobenzene	50.00	47.9	95.9	75 - 125
Dichlorodifluoromethane	50.00	45.4	90.8	30 - 155
1,1-Dichloroethane	50.00	44.7	89.4	70 - 135
1,2-Dichloroethane	50.00	51.6	103	70 - 130
1,1-Dichloroethene	50.00	42.0	84.0	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25014	Laboratory ID:	2J25014-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	45.9	91.8	70 - 125
trans-1,2-Dichloroethene	50.00	44.2	88.3	60 - 140
1,2-Dichloropropane	50.00	45.8	91.5	75 - 125
1,3-Dichloropropane	50.00	44.9	89.9	75 - 125
2,2-Dichloropropane	50.00	55.1	110	70 - 135
1,1-Dichloropropene	50.00	46.1	92.2	75 - 130
cis-1,3-Dichloropropene	50.00	52.7	105	70 - 130
trans-1,3-Dichloropropene	50.00	48.4	96.9	55 - 140
Ethylbenzene	50.00	46.4	92.7	75 - 125
Hexachlorobutadiene	50.00	45.8	91.6	50 - 140
2-Hexanone	100.0	87.5	87.5	55 - 130
Isopropylbenzene	50.00	48.7	97.3	75 - 125
p-Isopropyltoluene	50.00	46.1	92.2	75 - 130
Methylene chloride	50.00	41.3	82.6	55 - 140
Naphthalene	50.00	42.9	85.7	55 - 140
4-Methyl-2-pentanone	100.0	91.6	91.6	60 - 135
Methyl t-Butyl Ether	50.00	46.5	92.9	65 - 125
n-Propylbenzene	50.00	41.4	82.9	70 - 130
Styrene	50.00	48.7	97.4	65 - 135
1,1,2,2-Tetrachloroethane	50.00	39.2	78.5	65 - 130
1,1,1,2-Tetrachloroethane	50.00	54.6	109	80 - 130
Tetrachloroethene	50.00	46.4	92.8	45 - 150
Toluene	50.00	46.7	93.4	75 - 120
1,2,3-Trichlorobenzene	50.00	42.7	85.4	55 - 140
1,2,4-Trichlorobenzene	50.00	42.6	85.2	65 - 135
1,1,2-Trichloroethane	50.00	43.2	86.4	75 - 125
1,1,1-Trichloroethane	50.00	53.8	108	65 - 130
Trichloroethene	50.00	48.0	95.9	70 - 125
Trichlorofluoromethane	50.00	47.3	94.5	60 - 145
1,2,3-Trichloropropane	50.00	47.9	95.9	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25014	Laboratory ID:	2J25014-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	48.2	96.3	75 - 130
1,2,4-Trimethylbenzene	50.00	48.0	95.9	75 - 130
Vinyl chloride	50.00	61.1	122	50 - 145
Xylenes (total)	150.0	136	90.7	75 - 130

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	77.4	77.4	2.40	30	40 - 140
Benzene	50.00	42.7	85.4	3.65	30	80 - 120
Bromobenzene	50.00	43.0	86.1	6.69	30	75 - 125
Bromochloromethane	50.00	47.0	94.1	4.73	30	65 - 130
Bromodichloromethane	50.00	48.5	97.0	1.49	30	75 - 120
Bromoform	50.00	44.7	89.5	7.63	30	70 - 130
Bromomethane	50.00	41.2	82.5	13.8	30	30 - 145
n-Butylbenzene	50.00	39.8	79.7	6.86	30	70 - 135
2-Butanone	100.0	80.5	80.5	1.01	30	30 - 150
sec-Butylbenzene	50.00	41.1	82.3	3.61	30	70 - 125
tert-Butylbenzene	50.00	45.2	90.5	3.71	30	70 - 130
Carbon disulfide	50.00	36.6	73.3	5.65	30	35 - 160
Carbon tetrachloride	50.00	56.0	112	1.31	30	65 - 140
Chlorobenzene	50.00	42.7	85.5	4.01	30	80 - 120
Chloroethane	50.00	42.3	84.5	9.51	30	60 - 135
Chloroform	50.00	46.5	93.0	0.494	30	65 - 135
Chloromethane	50.00	35.2	70.5	10.5	30	40 - 125
2-Chlorotoluene	50.00	40.7	81.3	3.38	30	75 - 125
4-Chlorotoluene	50.00	41.2	82.4	3.36	30	75 - 130
Dibromochloromethane	50.00	45.6	91.3	5.91	30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	40.1	80.3	5.88	30	50 - 130
1,2-Dibromoethane (EDB)	50.00	43.1	86.2	5.09	30	80 - 120
Dibromomethane	50.00	44.2	88.5	1.15	30	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25014	Laboratory ID:	2J25014-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2-Dichlorobenzene	50.00	42.1	84.2	5.23	30	70 - 120
1,3-Dichlorobenzene	50.00	42.3	84.6	4.05	30	75 - 125
1,4-Dichlorobenzene	50.00	45.1	90.2	6.04	30	75 - 125
Dichlorodifluoromethane	50.00	41.9	83.7	8.09	30	30 - 155
1,1-Dichloroethane	50.00	43.0	85.9	3.97	30	70 - 135
1,2-Dichloroethane	50.00	51.1	102	0.993	30	70 - 130
1,1-Dichloroethene	50.00	39.4	78.7	6.49	30	70 - 130
cis-1,2-Dichloroethene	50.00	44.4	88.7	3.46	30	70 - 125
trans-1,2-Dichloroethene	50.00	41.5	83.1	6.09	30	60 - 140
1,2-Dichloropropane	50.00	43.3	86.7	5.43	30	75 - 125
1,3-Dichloropropane	50.00	43.3	86.6	3.67	30	75 - 125
2,2-Dichloropropane	50.00	46.9	93.7	16.2	30	70 - 135
1,1-Dichloropropene	50.00	44.7	89.3	3.17	30	75 - 130
cis-1,3-Dichloropropene	50.00	50.3	101	4.78	30	70 - 130
trans-1,3-Dichloropropene	50.00	45.0	90.0	7.34	30	55 - 140
Ethylbenzene	50.00	44.5	89.1	4.05	30	75 - 125
Hexachlorobutadiene	50.00	39.7	79.4	14.2	30	50 - 140
2-Hexanone	100.0	90.0	90.0	2.82	30	55 - 130
Isopropylbenzene	50.00	47.3	94.6	2.88	30	75 - 125
p-Isopropyltoluene	50.00	44.0	87.9	4.69	30	75 - 130
Methylene chloride	50.00	39.5	78.9	4.58	30	55 - 140
Naphthalene	50.00	40.2	80.4	6.40	30	55 - 140
4-Methyl-2-pentanone	100.0	96.5	96.5	5.30	30	60 - 135
Methyl t-Butyl Ether	50.00	42.8	85.7	8.11	30	65 - 125
n-Propylbenzene	50.00	39.7	79.4	4.24	30	70 - 130
Styrene	50.00	46.6	93.2	4.43	30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	35.6	71.2	9.67	30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	51.4	103	5.96	30	80 - 130
Tetrachloroethene	50.00	44.1	88.2	5.08	30	45 - 150
Toluene	50.00	44.8	89.7	4.11	30	75 - 120

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25014	Laboratory ID:	2J25014-BSD1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
1,2,3-Trichlorobenzene	50.00	39.5	79.1	7.73	30	55 - 140
1,2,4-Trichlorobenzene	50.00	40.7	81.4	4.63	30	65 - 135
1,1,2-Trichloroethane	50.00	41.0	82.0	5.20	30	75 - 125
1,1,1-Trichloroethane	50.00	53.4	107	0.914	30	65 - 130
Trichloroethene	50.00	46.7	93.4	2.68	30	70 - 125
Trichlorofluoromethane	50.00	46.9	93.9	0.679	30	60 - 145
1,2,3-Trichloropropane	50.00	45.0	89.9	6.39	30	75 - 125
1,3,5-Trimethylbenzene	50.00	46.9	93.7	2.74	30	75 - 130
1,2,4-Trimethylbenzene	50.00	46.3	92.6	3.56	30	75 - 130
Vinyl chloride	50.00	57.1	114	6.79	30	50 - 145
Xylenes (total)	150.0	131	87.0	4.20	30	75 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J26012	Laboratory ID:	2J26012-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	61.4	61.4	40 - 140
Benzene	50.00	49.6	99.1	80 - 120
Bromobenzene	50.00	43.5	87.0	75 - 125
Bromochloromethane	50.00	48.4	96.7	65 - 130
Bromodichloromethane	50.00	48.9	97.8	75 - 120
Bromoform	50.00	43.5	87.1	70 - 130
Bromomethane	50.00	44.3	88.5	30 - 145
n-Butylbenzene	50.00	51.7	103	70 - 135
2-Butanone	100.0	77.2	77.2	30 - 150
sec-Butylbenzene	50.00	50.3	101	70 - 125
tert-Butylbenzene	50.00	49.3	98.6	70 - 130
Carbon disulfide	50.00	59.9	120	35 - 160
Carbon tetrachloride	50.00	44.6	89.2	65 - 140
Chlorobenzene	50.00	46.3	92.6	80 - 120
Chloroethane	50.00	50.0	100	60 - 135
Chloroform	50.00	46.0	92.0	65 - 135
Chloromethane	50.00	48.9	97.8	40 - 125
2-Chlorotoluene	50.00	45.1	90.2	75 - 125
4-Chlorotoluene	50.00	47.4	94.7	75 - 130
Dibromochloromethane	50.00	49.6	99.2	60 - 135
1,2-Dibromo-3-chloropropane	50.00	45.1	90.1	50 - 130
1,2-Dibromoethane (EDB)	50.00	46.5	93.1	80 - 120
Dibromomethane	50.00	45.7	91.4	75 - 125
1,2-Dichlorobenzene	50.00	44.8	89.6	70 - 120
1,3-Dichlorobenzene	50.00	44.1	88.2	75 - 125
1,4-Dichlorobenzene	50.00	45.0	90.1	75 - 125
Dichlorodifluoromethane	50.00	53.8	108	30 - 155
1,1-Dichloroethane	50.00	47.8	95.7	70 - 135
1,2-Dichloroethane	50.00	45.1	90.1	70 - 130
1,1-Dichloroethene	50.00	49.5	99.0	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J26012	Laboratory ID:	2J26012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
cis-1,2-Dichloroethene	50.00	48.4	96.8	70 - 125
trans-1,2-Dichloroethene	50.00	48.4	96.8	60 - 140
1,2-Dichloropropane	50.00	46.6	93.3	75 - 125
1,3-Dichloropropane	50.00	46.4	92.8	75 - 125
2,2-Dichloropropane	50.00	39.3	78.5	70 - 135
1,1-Dichloropropene	50.00	47.0	94.0	75 - 130
cis-1,3-Dichloropropene	50.00	46.6	93.1	70 - 130
trans-1,3-Dichloropropene	50.00	45.5	91.1	55 - 140
Ethylbenzene	50.00	49.1	98.2	75 - 125
Hexachlorobutadiene	50.00	51.8	104	50 - 140
2-Hexanone	100.0	74.4	74.4	55 - 130
Isopropylbenzene	50.00	49.8	99.6	75 - 125
p-Isopropyltoluene	50.00	50.2	100	75 - 130
Methylene chloride	50.00	46.5	93.0	55 - 140
Naphthalene	50.00	47.4	94.7	55 - 140
4-Methyl-2-pentanone	100.0	79.8	79.8	60 - 135
Methyl t-Butyl Ether	50.00	47.6	95.2	65 - 125
n-Propylbenzene	50.00	47.6	95.2	70 - 130
Styrene	50.00	50.3	101	65 - 135
1,1,2,2-Tetrachloroethane	50.00	43.5	87.0	65 - 130
1,1,1,2-Tetrachloroethane	50.00	47.5	95.0	80 - 130
Tetrachloroethene	50.00	46.2	92.3	45 - 150
Toluene	50.00	48.4	96.7	75 - 120
1,2,3-Trichlorobenzene	50.00	47.8	95.7	55 - 140
1,2,4-Trichlorobenzene	50.00	47.2	94.4	65 - 135
1,1,2-Trichloroethane	50.00	46.8	93.6	75 - 125
1,1,1-Trichloroethane	50.00	47.0	94.0	65 - 130
Trichloroethene	50.00	45.0	90.0	70 - 125
Trichlorofluoromethane	50.00	47.1	94.3	60 - 145
1,2,3-Trichloropropane	50.00	46.8	93.5	75 - 125

LCS / LCS DUPLICATE RECOVERY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J26012	Laboratory ID:	2J26012-BS1
Preparation:	5030B	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,3,5-Trimethylbenzene	50.00	47.0	94.1	75 - 130
1,2,4-Trimethylbenzene	50.00	49.9	99.9	75 - 130
Vinyl chloride	50.00	39.6	79.3	50 - 145
Xylenes (total)	150.0	149	99.3	75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24019

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acetone	100.0	ND	73.3	73.3		40 - 140
Benzene	50.00	0.300	44.4	88.2		80 - 120
Bromobenzene	50.00	ND	44.0	88.1		75 - 125
Bromochloromethane	50.00	ND	49.7	99.4		65 - 130
Bromodichloromethane	50.00	ND	49.6	99.3		75 - 120
Bromoform	50.00	ND	46.5	93.1		70 - 130
Bromomethane	50.00	ND	45.1	90.2		30 - 145
n-Butylbenzene	50.00	ND	39.7	79.4		70 - 135
2-Butanone	100.0	ND	74.2	74.2		30 - 150
sec-Butylbenzene	50.00	ND	40.3	80.6		70 - 125
tert-Butylbenzene	50.00	ND	44.6	89.2		70 - 130
Carbon disulfide	50.00	ND	39.0	78.1		35 - 160
Carbon tetrachloride	50.00	ND	56.6	113		65 - 140
Chlorobenzene	50.00	ND	42.5	85.1		80 - 120
Chloroethane	50.00	ND	44.0	88.0		60 - 135
Chloroform	50.00	ND	47.9	95.9		65 - 135
Chloromethane	50.00	ND	36.0	72.0		40 - 125
2-Chlorotoluene	50.00	ND	40.4	80.8		75 - 125
4-Chlorotoluene	50.00	ND	41.0	82.0		75 - 130
Dibromochloromethane	50.00	ND	47.2	94.5		60 - 135
1,2-Dibromo-3-chloropropane	50.00	ND	42.1	84.1		50 - 130
1,2-Dibromoethane (EDB)	50.00	0.360	44.8	88.8		80 - 120
Dibromomethane	50.00	ND	45.6	91.2		75 - 125
1,2-Dichlorobenzene	50.00	ND	41.8	83.6		70 - 120
1,3-Dichlorobenzene	50.00	ND	41.9	83.9		75 - 125
1,4-Dichlorobenzene	50.00	ND	45.6	91.2		75 - 125
Dichlorodifluoromethane	50.00	ND	44.0	88.0		30 - 155
1,1-Dichloroethane	50.00	ND	44.5	89.0		70 - 135
1,2-Dichloroethane	50.00	ND	52.5	105		70 - 130
1,1-Dichloroethene	50.00	ND	41.4	82.8		70 - 130
cis-1,2-Dichloroethene	50.00	ND	47.6	95.1		70 - 125
trans-1,2-Dichloroethene	50.00	ND	43.6	87.1		60 - 140

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24019

% Solids:

Source Sample Name: **1210178-01**

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	45.1	90.3		75 - 125
1,3-Dichloropropane	50.00	ND	44.6	89.3		75 - 125
2,2-Dichloropropane	50.00	ND	47.6	95.2		70 - 135
1,1-Dichloropropene	50.00	ND	46.7	93.4		75 - 130
cis-1,3-Dichloropropene	50.00	ND	51.6	103		70 - 130
trans-1,3-Dichloropropene	50.00	ND	45.6	91.3		55 - 140
Ethylbenzene	50.00	ND	45.2	90.3		75 - 125
Hexachlorobutadiene	50.00	ND	38.3	76.5		50 - 140
2-Hexanone	100.0	ND	81.4	81.4		55 - 130
Isopropylbenzene	50.00	0.380	47.6	94.5		75 - 125
p-Isopropyltoluene	50.00	ND	43.5	86.9		75 - 130
Methylene chloride	50.00	ND	41.1	82.1		55 - 140
Naphthalene	50.00	ND	40.1	80.2		55 - 140
4-Methyl-2-pentanone	100.0	ND	91.4	91.4		60 - 135
Methyl t-Butyl Ether	50.00	ND	45.7	91.4		65 - 125
n-Propylbenzene	50.00	ND	39.8	79.7		70 - 130
Styrene	50.00	ND	46.5	93.1		65 - 135
1,1,2,2-Tetrachloroethane	50.00	ND	38.7	77.5		65 - 130
1,1,1,2-Tetrachloroethane	50.00	ND	52.2	104		80 - 130
Tetrachloroethene	50.00	ND	44.4	88.7		45 - 150
Toluene	50.00	0.280	44.3	88.0		75 - 120
1,2,3-Trichlorobenzene	50.00	ND	38.9	77.8		55 - 140
1,2,4-Trichlorobenzene	50.00	ND	39.4	78.7		65 - 135
1,1,2-Trichloroethane	50.00	ND	42.8	85.7		75 - 125
1,1,1-Trichloroethane	50.00	ND	54.8	110		65 - 130
Trichloroethene	50.00	ND	47.5	95.0		70 - 125
Trichlorofluoromethane	50.00	ND	48.2	96.5		60 - 145
1,2,3-Trichloropropane	50.00	ND	47.5	95.0		75 - 125
1,3,5-Trimethylbenzene	50.00	ND	46.6	93.2		75 - 130
1,2,4-Trimethylbenzene	50.00	ND	45.5	91.0		75 - 130
Vinyl chloride	50.00	ND	60.2	120		50 - 145
Xylenes (total)	150.0	1.13	132	87.5		75 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24019

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acetone	100.0	75.2	75.2	2.56		30	40 - 140
Benzene	50.00	45.9	91.2	3.41		30	80 - 120
Bromobenzene	50.00	46.1	92.1	4.46		30	75 - 125
Bromochloromethane	50.00	49.5	98.9	0.444		30	65 - 130
Bromodichloromethane	50.00	50.0	100	0.843		30	75 - 120
Bromoform	50.00	47.7	95.4	2.48		30	70 - 130
Bromomethane	50.00	51.3	103	13.0		30	30 - 145
n-Butylbenzene	50.00	41.8	83.6	5.15		30	70 - 135
2-Butanone	100.0	74.4	74.4	0.242		30	30 - 150
sec-Butylbenzene	50.00	42.9	85.8	6.25		30	70 - 125
tert-Butylbenzene	50.00	47.5	95.1	6.43		30	70 - 130
Carbon disulfide	50.00	40.6	81.3	4.04		30	35 - 160
Carbon tetrachloride	50.00	59.6	119	5.09		30	65 - 140
Chlorobenzene	50.00	44.2	88.5	3.90		30	80 - 120
Chloroethane	50.00	48.4	96.8	9.44		30	60 - 135
Chloroform	50.00	47.8	95.6	0.313		30	65 - 135
Chloromethane	50.00	41.3	82.6	13.7		30	40 - 125
2-Chlorotoluene	50.00	42.4	84.7	4.69		30	75 - 125
4-Chlorotoluene	50.00	42.7	85.3	3.99		30	75 - 130
Dibromochloromethane	50.00	47.7	95.5	1.05		30	60 - 135
1,2-Dibromo-3-chloropropane	50.00	43.3	86.6	2.93		30	50 - 130
1,2-Dibromoethane (EDB)	50.00	44.0	87.3	1.69		30	80 - 120
Dibromomethane	50.00	45.5	91.0	0.307		30	75 - 125
1,2-Dichlorobenzene	50.00	43.6	87.2	4.19		30	70 - 120
1,3-Dichlorobenzene	50.00	43.6	87.2	3.86		30	75 - 125
1,4-Dichlorobenzene	50.00	47.5	95.0	4.12		30	75 - 125
Dichlorodifluoromethane	50.00	53.2	106	18.9		30	30 - 155
1,1-Dichloroethane	50.00	45.6	91.3	2.49		30	70 - 135
1,2-Dichloroethane	50.00	51.5	103	1.81		30	70 - 130
1,1-Dichloroethene	50.00	43.4	86.7	4.65		30	70 - 130
cis-1,2-Dichloroethene	50.00	47.6	95.2	0.0631		30	70 - 125
trans-1,2-Dichloroethene	50.00	45.4	90.9	4.22		30	60 - 140
1,2-Dichloropropane	50.00	45.5	91.0	0.750		30	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8260B

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24019

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,3-Dichloropropane	50.00	44.3	88.5	0.810		30	75 - 125
2,2-Dichloropropane	50.00	47.3	94.7	0.590		30	70 - 135
1,1-Dichloropropene	50.00	48.0	95.9	2.70		30	75 - 130
cis-1,3-Dichloropropene	50.00	51.8	104	0.271		30	70 - 130
trans-1,3-Dichloropropene	50.00	45.1	90.2	1.17		30	55 - 140
Ethylbenzene	50.00	46.3	92.7	2.56		30	75 - 125
Hexachlorobutadiene	50.00	41.6	83.3	8.46		30	50 - 140
2-Hexanone	100.0	85.8	85.8	5.24		30	55 - 130
Isopropylbenzene	50.00	50.0	99.3	4.83		30	75 - 125
p-Isopropyltoluene	50.00	45.6	91.2	4.74		30	75 - 130
Methylene chloride	50.00	41.4	82.9	0.897		30	55 - 140
Naphthalene	50.00	41.0	82.0	2.15		30	55 - 140
4-Methyl-2-pentanone	100.0	92.7	92.7	1.41		30	60 - 135
Methyl t-Butyl Ether	50.00	45.5	90.9	0.570		30	65 - 125
n-Propylbenzene	50.00	42.0	84.1	5.32		30	70 - 130
Styrene	50.00	48.4	96.7	3.84		30	65 - 135
1,1,2,2-Tetrachloroethane	50.00	38.5	77.0	0.621		30	65 - 130
1,1,1,2-Tetrachloroethane	50.00	53.1	106	1.58		30	80 - 130
Tetrachloroethene	50.00	46.4	92.9	4.58		30	45 - 150
Toluene	50.00	46.3	92.1	4.48		30	75 - 120
1,2,3-Trichlorobenzene	50.00	40.4	80.8	3.78		30	55 - 140
1,2,4-Trichlorobenzene	50.00	41.1	82.1	4.25		30	65 - 135
1,1,2-Trichloroethane	50.00	42.1	84.2	1.67		30	75 - 125
1,1,1-Trichloroethane	50.00	56.4	113	2.86		30	65 - 130
Trichloroethene	50.00	49.6	99.2	4.26		30	70 - 125
Trichlorofluoromethane	50.00	51.7	103	6.96		30	60 - 145
1,2,3-Trichloropropane	50.00	46.5	92.9	2.19		30	75 - 125
1,3,5-Trimethylbenzene	50.00	49.0	98.0	4.94		30	75 - 130
1,2,4-Trimethylbenzene	50.00	48.0	96.0	5.35		30	75 - 130
Vinyl chloride	50.00	66.6	133	10.1		30	50 - 145
Xylenes (total)	150.0	137	90.8	3.63		30	75 - 130

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J24019 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	10/24/12 15:45	5.00	5.00
GW0808	1210178-03	10/24/12 16:14	5.00	5.00
GW0809	1210178-05	10/24/12 16:43	5.00	5.00
GW0810	1210178-07	10/24/12 17:11	5.00	5.00
GW0811	1210178-09	10/24/12 17:40	5.00	5.00
GW0825	1210178-11	10/24/12 18:09	5.00	5.00
GW0826	1210178-13	10/24/12 18:37	5.00	5.00
GW0827	1210178-15	10/24/12 19:06	5.00	5.00
GW0855	1210178-17	10/24/12 19:35	5.00	5.00
GW0856	1210178-19	10/24/12 20:03	5.00	5.00
GW0857	1210178-21	10/24/12 20:32	5.00	5.00
GW0861	1210178-23	10/24/12 21:01	5.00	5.00
GW0862	1210178-25	10/24/12 21:29	5.00	5.00
GW0863	1210178-27	10/24/12 21:58	5.00	5.00
GW8233-TB	1210178-29	10/24/12 14:19	5.00	5.00
Blank	2J24019-BLK1	10/24/12 12:53	5.00	5.00
LCS	2J24019-BS1	10/24/12 11:27	5.00	5.00
GW0754	2J24019-MS1	10/24/12 22:27	5.00	5.00
GW0754	2J24019-MSD1	10/24/12 22:55	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J25014 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0789	1210200-03	10/25/12 15:50	5.00	5.00
GW0790	1210200-05	10/25/12 16:18	5.00	5.00
GW0791	1210200-07	10/25/12 16:47	5.00	5.00
GW0800	1210200-11	10/25/12 17:16	5.00	5.00
GW0801	1210200-13	10/25/12 17:44	5.00	5.00
GW0854	1210200-15	10/25/12 18:13	5.00	5.00
GW0864	1210200-17	10/25/12 18:42	5.00	5.00
GW0865	1210200-19	10/25/12 19:10	5.00	5.00
GW0866	1210200-21	10/25/12 19:39	5.00	5.00
GW0867	1210200-23	10/25/12 20:08	5.00	5.00
GW8234-TB	1210200-25	10/25/12 20:36	5.00	5.00
Blank	2J25014-BLK1	10/25/12 12:29	5.00	5.00
LCS	2J25014-BS1	10/25/12 11:03	5.00	5.00
LCS Dup	2J25014-BSD1	10/25/12 22:31	5.00	5.00

PREPARATION BATCH SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J26012 Batch Matrix: Water Preparation: 5030B

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-01RE1	10/27/12 02:35	5.00	5.00
GW0799	1210200-09RE1	10/27/12 03:03	5.00	5.00
Blank	2J26012-BLK1	10/26/12 22:54	5.00	5.00
LCS	2J26012-BS1	10/26/12 21:31	5.00	5.00

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J24019-BLK1 File ID: 1024BLK1.D

Sampled: Prepared: Analyzed: 10/24/12 12:53

Solids: Preparation: 5030B Dilution:

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J24019-BLK1 File ID: 1024BLK1.D

Sampled: Prepared: Analyzed: 10/24/12 12:53

Solids: Preparation: 5030B Dilution:

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.11	104	75 - 120	
Dibromofluoromethane	30.00	32.78	109	85 - 115	
1,2-Dichloroethane-d4	30.00	29.36	97.9	70 - 120	
Toluene-d8	30.00	30.59	102	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J24019-BS1 | File ID: 1024LCS1.D

Sampled: | Prepared: | Analyzed: 10/24/12 11:27

Solids: | Preparation: 5030B | Dilution:

Batch: 2J24019 | Sequence: 2J29905 | Calibration: 2121003 | Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**80.0**	2.50	5.00	10.0	Y
71-43-2	Benzene	**45.3**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**45.5**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**50.6**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.4**	0.250	0.500	1.00	
75-25-2	Bromoform	**51.5**	0.250	0.500	1.00	
74-83-9	Bromomethane	**48.7**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**42.4**	0.250	0.500	1.00	
78-93-3	2-Butanone	**82.7**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**41.4**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**45.5**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**39.7**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**56.0**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**44.2**	0.250	0.500	1.00	
75-00-3	Chloroethane	**47.0**	0.500	1.00	2.00	
67-66-3	Chloroform	**46.8**	0.250	0.500	1.00	
74-87-3	Chloromethane	**39.6**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**41.3**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**41.4**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**49.9**	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)	**46.3**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**45.9**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**43.7**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**43.5**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**47.4**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**48.8**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**45.1**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**50.8**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**41.8**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**47.0**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**44.9**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**45.8**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**45.9**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**55.0**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**45.4**	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	**49.6**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**45.7**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**45.6**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J24019-BS1 File ID: 1024LCS1.D

Sampled: Prepared: Analyzed: 10/24/12 11:27

Solids: Preparation: 5030B Dilution:

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**93.4**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**47.4**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**45.1**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**42.3**	0.500	1.00	2.00	
91-20-3	Naphthalene	**45.7**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**97.8**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**48.3**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**40.4**	0.250	0.500	1.00	
100-42-5	Styrene	**48.5**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**40.4**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**54.3**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**45.4**	0.250	0.500	1.00	
108-88-3	Toluene	**46.7**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**44.0**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**44.0**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**44.7**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**53.0**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**48.1**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**46.5**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**49.8**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**47.4**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**46.8**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**61.7**	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	**134**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.53	105	75 - 120	
Dibromofluoromethane	30.00	32.96	110	85 - 115	
1,2-Dichloroethane-d4	30.00	30.56	102	70 - 120	
Toluene-d8	30.00	30.41	101	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J24019-MS1 File ID: 1017801M.D

Sampled: Prepared: Analyzed: 10/24/12 22:27

Solids: Preparation: 5030B Dilution:

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**73.3**	2.50	5.00	10.0	Y
71-43-2	Benzene	**44.4**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**44.0**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**49.7**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.6**	0.250	0.500	1.00	
75-25-2	Bromoform	**46.5**	0.250	0.500	1.00	
74-83-9	Bromomethane	**45.1**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**39.7**	0.250	0.500	1.00	
78-93-3	2-Butanone	**74.2**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**40.3**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**44.6**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**39.0**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**56.6**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**42.5**	0.250	0.500	1.00	
75-00-3	Chloroethane	**44.0**	0.500	1.00	2.00	
67-66-3	Chloroform	**47.9**	0.250	0.500	1.00	
74-87-3	Chloromethane	**36.0**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**40.4**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**41.0**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**47.2**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**42.1**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**44.8**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**45.6**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**41.8**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**41.9**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**45.6**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**44.0**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**44.5**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**52.5**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**41.4**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**47.6**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**43.6**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**45.1**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**44.6**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**47.6**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**46.7**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**51.6**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**45.6**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**45.2**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**38.3**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J24019-MS1 File ID: 1017801M.D

Sampled: Prepared: Analyzed: 10/24/12 22:27

Solids: Preparation: 5030B Dilution:

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**81.4**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**47.6**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**43.5**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**41.1**	0.500	1.00	2.00	
91-20-3	Naphthalene	**40.1**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**91.4**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**45.7**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**39.8**	0.250	0.500	1.00	
100-42-5	Styrene	**46.5**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**38.7**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**52.2**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**44.4**	0.250	0.500	1.00	
108-88-3	Toluene	**44.3**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**38.9**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**39.4**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**42.8**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**54.8**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**47.5**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**48.2**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**47.5**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**46.6**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**45.5**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**60.2**	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	**132**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.71	106	75 - 120	
Dibromofluoromethane	30.00	33.63	112	85 - 115	
1,2-Dichloroethane-d4	30.00	30.39	101	70 - 120	
Toluene-d8	30.00	29.93	99.8	85 - 120	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J24019-MSD1 File ID: 1017801S.D

Sampled: Prepared: Analyzed: 10/24/12 22:55

Solids: Preparation: 5030B Dilution:

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**75.2**	2.50	5.00	10.0	Y
71-43-2	Benzene	**45.9**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**46.1**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**49.5**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**50.0**	0.250	0.500	1.00	
75-25-2	Bromoform	**47.7**	0.250	0.500	1.00	
74-83-9	Bromomethane	**51.3**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**41.8**	0.250	0.500	1.00	
78-93-3	2-Butanone	**74.4**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**42.9**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**47.5**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**40.6**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**59.6**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**44.2**	0.250	0.500	1.00	
75-00-3	Chloroethane	**48.4**	0.500	1.00	2.00	
67-66-3	Chloroform	**47.8**	0.250	0.500	1.00	
74-87-3	Chloromethane	**41.3**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**42.4**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**42.7**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**47.7**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**43.3**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**44.0**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**45.5**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**43.6**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**43.6**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**47.5**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**53.2**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**45.6**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**51.5**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**43.4**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**47.6**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**45.4**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**45.5**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**44.3**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**47.3**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**48.0**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**51.8**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**45.1**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**46.3**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**41.6**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J24019-MSD1 File ID: 1017801S.D

Sampled: Prepared: Analyzed: 10/24/12 22:55

Solids: Preparation: 5030B Dilution:

Batch: 2J24019 Sequence: 2J29905 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**85.8**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**50.0**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**45.6**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**41.4**	0.500	1.00	2.00	
91-20-3	Naphthalene	**41.0**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**92.7**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**45.5**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**42.0**	0.250	0.500	1.00	
100-42-5	Styrene	**48.4**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**38.5**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**53.1**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**46.4**	0.250	0.500	1.00	
108-88-3	Toluene	**46.3**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**40.4**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**41.1**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**42.1**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**56.4**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**49.6**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**51.7**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**46.5**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**49.0**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**48.0**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**66.6**	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	**137**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.04	107	75 - 120	
Dibromofluoromethane	30.00	32.78	109	85 - 115	
1,2-Dichloroethane-d4	30.00	29.53	98.4	70 - 120	
Toluene-d8	30.00	30.12	100	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J25014-BLK1 File ID: 1025BLK1.D

Sampled: Prepared: Analyzed: 10/25/12 12:29

Solids: Preparation: 5030B Dilution:

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J25014-BLK1 File ID: 1025BLK1.D

Sampled: Prepared: Analyzed: 10/25/12 12:29

Solids: Preparation: 5030B Dilution:

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.79	106	75 - 120	
Dibromofluoromethane	30.00	32.67	109	85 - 115	
1,2-Dichloroethane-d4	30.00	30.32	101	70 - 120	
Toluene-d8	30.00	30.34	101	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J25014-BS1 File ID: 1025LCS1.D

Sampled: Prepared: Analyzed: 10/25/12 11:03

Solids: Preparation: 5030B Dilution:

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**75.6**	2.50	5.00	10.0	Y
71-43-2	Benzene	**44.3**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**46.0**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**49.3**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**49.2**	0.250	0.500	1.00	
75-25-2	Bromoform	**48.3**	0.250	0.500	1.00	
74-83-9	Bromomethane	**47.4**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**42.7**	0.250	0.500	1.00	
78-93-3	2-Butanone	**79.7**	2.50	5.00	10.0	Y
135-98-8	sec-Butylbenzene	**42.6**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**47.0**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**38.8**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**56.8**	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	**44.5**	0.250	0.500	1.00	
75-00-3	Chloroethane	**46.5**	0.500	1.00	2.00	
67-66-3	Chloroform	**46.7**	0.250	0.500	1.00	
74-87-3	Chloromethane	**39.2**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**42.1**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**42.6**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**48.4**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**42.6**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**45.4**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**44.8**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**44.4**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**44.1**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**47.9**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**45.4**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**44.7**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**51.6**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**42.0**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**45.9**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**44.2**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**45.8**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**44.9**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**55.1**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**46.1**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**52.7**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**48.4**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**46.4**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**45.8**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J25014-BS1 File ID: 1025LCS1.D

Sampled: Prepared: Analyzed: 10/25/12 11:03

Solids: Preparation: 5030B Dilution:

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**87.5**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**48.7**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**46.1**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**41.3**	0.500	1.00	2.00	
91-20-3	Naphthalene	**42.9**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**91.6**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**46.5**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**41.4**	0.250	0.500	1.00	
100-42-5	Styrene	**48.7**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**39.2**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**54.6**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**46.4**	0.250	0.500	1.00	
108-88-3	Toluene	**46.7**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**42.7**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**42.6**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**43.2**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**53.8**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**48.0**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**47.3**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**47.9**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**48.2**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**48.0**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**61.1**	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	**136**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	31.76	106	75 - 120	
Dibromofluoromethane	30.00	32.48	108	85 - 115	
1,2-Dichloroethane-d4	30.00	29.70	99.0	70 - 120	
Toluene-d8	30.00	30.41	101	85 - 120	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J25014-BSD1 File ID: 1025LCD1.D

Sampled: Prepared: Analyzed: 10/25/12 22:31

Solids: Preparation: 5030B Dilution:

Batch: 2J25014 Sequence: 2J30305 Calibration: 2121003 Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**77.4**	2.50	5.00	10.0	Y
71-43-2	Benzene	**42.7**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**43.0**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**47.0**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**48.5**	0.250	0.500	1.00	
75-25-2	Bromoform	**44.7**	0.250	0.500	1.00	
74-83-9	Bromomethane	**41.2**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**39.8**	0.250	0.500	1.00	
78-93-3	2-Butanone	**80.5**	2.50	5.00	10.0	Y
135-98-8	sec-Butylbenzene	**41.1**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**45.2**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**36.6**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**56.0**	0.250	0.500	1.00	X
108-90-7	Chlorobenzene	**42.7**	0.250	0.500	1.00	
75-00-3	Chloroethane	**42.3**	0.500	1.00	2.00	
67-66-3	Chloroform	**46.5**	0.250	0.500	1.00	
74-87-3	Chloromethane	**35.2**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**40.7**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**41.2**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**45.6**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**40.1**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**43.1**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**44.2**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**42.1**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**42.3**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**45.1**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**41.9**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**43.0**	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	**39.4**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**44.4**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**41.5**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**43.3**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**43.3**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**46.9**	0.250	0.500	1.00	
563-58-6	1,1-Dichloropropene	**44.7**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**50.3**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**45.0**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**44.5**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**39.7**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J25014-BSD1 | File ID: 1025LCD1.D

Sampled: | Prepared: | Analyzed: 10/25/12 22:31

Solids: | Preparation: 5030B | Dilution:

Batch: 2J25014 | Sequence: 2J30305 | Calibration: 2121003 | Instrument: MS-VOA6

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**90.0**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**47.3**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**44.0**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**39.5**	0.500	1.00	2.00	
91-20-3	Naphthalene	**40.2**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**96.5**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**42.8**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**39.7**	0.250	0.500	1.00	
100-42-5	Styrene	**46.6**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**35.6**	0.250	0.500	1.00	
630-20-6	1,1,1,2-Tetrachloroethane	**51.4**	0.250	0.500	1.00	
127-18-4	Tetrachloroethene	**44.1**	0.250	0.500	1.00	
108-88-3	Toluene	**44.8**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**39.5**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**40.7**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**41.0**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**53.4**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**46.7**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**46.9**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**45.0**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**46.9**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**46.3**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**57.1**	0.250	0.500	1.00	X
1330-20-7	Xylenes (total)	**131**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	32.38	108	75 - 120	
Dibromofluoromethane	30.00	32.68	109	85 - 115	
1,2-Dichloroethane-d4	30.00	29.21	97.4	70 - 120	
Toluene-d8	30.00	30.26	101	85 - 120	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J26012-BLK1 File ID: 1026BLKE.D

Sampled: Prepared: Analyzed: 10/26/12 22:54

Solids: Preparation: 5030B Dilution:

Batch: 2J26012 Sequence: 2J30313 Calibration: 2291001 Instrument: MS-VOA5

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

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J26012-BLK1 File ID: 1026BLKE.D

Sampled: Prepared: Analyzed: 10/26/12 22:54

Solids: Preparation: 5030B Dilution:

Batch: 2J26012 Sequence: 2J30313 Calibration: 2291001 Instrument: MS-VOA5

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

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	28.17	93.9	75 - 120	
Dibromofluoromethane	30.00	29.93	99.8	85 - 115	
1,2-Dichloroethane-d4	30.00	31.57	105	70 - 120	
Toluene-d8	30.00	29.14	97.1	85 - 120	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J26012-BS1 File ID: 1026LCSE.D

Sampled: Prepared: Analyzed: 10/26/12 21:31

Solids: Preparation: 5030B Dilution:

Batch: 2J26012 Sequence: 2J30313 Calibration: 2291001 Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
67-64-1	Acetone	**61.4**	2.50	5.00	10.0	Y
71-43-2	Benzene	**49.6**	0.250	0.500	1.00	
108-86-1	Bromobenzene	**43.5**	0.250	0.500	1.00	
74-97-5	Bromochloromethane	**48.4**	0.250	0.500	1.00	
75-27-4	Bromodichloromethane	**48.9**	0.250	0.500	1.00	
75-25-2	Bromoform	**43.5**	0.250	0.500	1.00	
74-83-9	Bromomethane	**44.3**	0.500	1.00	2.00	
104-51-8	n-Butylbenzene	**51.7**	0.250	0.500	1.00	
78-93-3	2-Butanone	**77.2**	2.50	5.00	10.0	
135-98-8	sec-Butylbenzene	**50.3**	0.250	0.500	1.00	
98-06-6	tert-Butylbenzene	**49.3**	0.250	0.500	1.00	
75-15-0	Carbon disulfide	**59.9**	0.250	0.500	1.00	
56-23-5	Carbon tetrachloride	**44.6**	0.250	0.500	1.00	
108-90-7	Chlorobenzene	**46.3**	0.250	0.500	1.00	
75-00-3	Chloroethane	**50.0**	0.500	1.00	2.00	
67-66-3	Chloroform	**46.0**	0.250	0.500	1.00	
74-87-3	Chloromethane	**48.9**	0.250	0.500	1.00	
95-49-8	2-Chlorotoluene	**45.1**	0.250	0.500	1.00	
106-43-4	4-Chlorotoluene	**47.4**	0.250	0.500	1.00	
124-48-1	Dibromochloromethane	**49.6**	0.250	0.500	1.00	
96-12-8	1,2-Dibromo-3-chloropropane	**45.1**	0.500	1.00	2.00	
106-93-4	1,2-Dibromoethane (EDB)	**46.5**	0.250	0.500	1.00	
74-95-3	Dibromomethane	**45.7**	0.250	0.500	1.00	
95-50-1	1,2-Dichlorobenzene	**44.8**	0.250	0.500	1.00	
541-73-1	1,3-Dichlorobenzene	**44.1**	0.250	0.500	1.00	
106-46-7	1,4-Dichlorobenzene	**45.0**	0.250	0.500	1.00	
75-71-8	Dichlorodifluoromethane	**53.8**	0.500	1.00	2.00	X
75-34-3	1,1-Dichloroethane	**47.8**	0.250	0.500	1.00	
107-06-2	1,2-Dichloroethane	**45.1**	0.250	0.500	1.00	
75-35-4	1,1-Dichloroethene	**49.5**	0.250	0.500	1.00	
156-59-2	cis-1,2-Dichloroethene	**48.4**	0.250	0.500	1.00	
156-60-5	trans-1,2-Dichloroethene	**48.4**	0.250	0.500	1.00	
78-87-5	1,2-Dichloropropane	**46.6**	0.250	0.500	1.00	
142-28-9	1,3-Dichloropropane	**46.4**	0.250	0.500	1.00	
594-20-7	2,2-Dichloropropane	**39.3**	0.250	0.500	1.00	Y
563-58-6	1,1-Dichloropropene	**47.0**	0.250	0.500	1.00	
10061-01-5	cis-1,3-Dichloropropene	**46.6**	0.250	0.500	1.00	
10061-02-6	trans-1,3-Dichloropropene	**45.5**	0.250	0.500	1.00	
100-41-4	Ethylbenzene	**49.1**	0.250	0.500	1.00	
87-68-3	Hexachlorobutadiene	**51.8**	0.250	0.500	2.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J26012-BS1 | File ID: 1026LCSE.D

Sampled: | Prepared: | Analyzed: 10/26/12 21:31

Solids: | Preparation: 5030B | Dilution:

Batch: 2J26012 | Sequence: 2J30313 | Calibration: 2291001 | Instrument: MS-VOA5

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
591-78-6	2-Hexanone	**74.4**	1.25	2.50	5.00	
98-82-8	Isopropylbenzene	**49.8**	0.250	0.500	1.00	
99-87-6	p-Isopropyltoluene	**50.2**	0.250	0.500	1.00	
75-09-2	Methylene chloride	**46.5**	0.500	1.00	2.00	
91-20-3	Naphthalene	**47.4**	0.250	0.500	2.00	
108-10-1	4-Methyl-2-pentanone	**79.8**	1.25	2.50	5.00	
1634-04-4	Methyl t-Butyl Ether	**47.6**	0.250	0.500	1.00	
103-65-1	n-Propylbenzene	**47.6**	0.250	0.500	1.00	
100-42-5	Styrene	**50.3**	0.250	0.500	1.00	
79-34-5	1,1,2,2-Tetrachloroethane	**43.5**	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	**46.2**	0.250	0.500	1.00	
108-88-3	Toluene	**48.4**	0.250	0.500	1.00	
87-61-6	1,2,3-Trichlorobenzene	**47.8**	0.250	0.500	2.00	
120-82-1	1,2,4-Trichlorobenzene	**47.2**	0.250	0.500	2.00	
79-00-5	1,1,2-Trichloroethane	**46.8**	0.250	0.500	1.00	
71-55-6	1,1,1-Trichloroethane	**47.0**	0.250	0.500	1.00	
79-01-6	Trichloroethene	**45.0**	0.250	0.500	1.00	
75-69-4	Trichlorofluoromethane	**47.1**	0.500	1.00	2.00	
96-18-4	1,2,3-Trichloropropane	**46.8**	0.500	1.00	2.00	
108-67-8	1,3,5-Trimethylbenzene	**47.0**	0.250	0.500	1.00	
95-63-6	1,2,4-Trimethylbenzene	**49.9**	0.250	0.500	1.00	
75-01-4	Vinyl chloride	**39.6**	0.250	0.500	1.00	
1330-20-7	Xylenes (total)	**149**	0.750	1.50	3.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	30.00	29.37	97.9	75 - 120	
Dibromofluoromethane	30.00	30.36	101	85 - 115	
1,2-Dichloroethane-d4	30.00	30.49	102	70 - 120	
Toluene-d8	30.00	29.42	98.1	85 - 120	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	0427TUN1.D	Injection Date:	04/27/12
Instrument ID:	MS-VOA6	Injection Time:	08:36
Sequence:	2D12109	Lab Sample ID:	2D12109-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1012TUN2.D	Injection Date:	10/12/12
Instrument ID:	MS-VOA5	Injection Time:	14:29
Sequence:	2J29101	Lab Sample ID:	2J29101-TUN1

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1012TUN3.D	Injection Date:	10/16/12
Instrument ID:	MS-VOA5	Injection Time:	13:45
Sequence:	2J29101	Lab Sample ID:	2J29101-TUN2

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

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1024TUN1.D	Injection Date:	10/24/12
Instrument ID:	MS-VOA6	Injection Time:	10:29
Sequence:	2J29905	Lab Sample ID:	2J29905-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.7	PASS
75	30 - 60% of 95	49.9	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.66	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	75.1	PASS
175	5 - 9% of 174	7.29	PASS
176	95 - 101% of 174	97	PASS
177	5 - 9% of 176	6.7	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1025TUN1.D	Injection Date:	10/25/12
Instrument ID:	MS-VOA6	Injection Time:	10:05
Sequence:	2J30305	Lab Sample ID:	2J30305-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	23.4	PASS
75	30 - 60% of 95	49.4	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.43	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	81.8	PASS
175	5 - 9% of 174	7.29	PASS
176	95 - 101% of 174	96.8	PASS
177	5 - 9% of 176	6.33	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	1026TUNE.D	Injection Date:	10/26/12
Instrument ID:	MS-VOA5	Injection Time:	20:36
Sequence:	2J30313	Lab Sample ID:	2J30313-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
50	15 - 40% of 95	24.7	PASS
75	30 - 60% of 95	48	PASS
95	Base peak, 100% relative abundance	100	PASS
96	5 - 9% of 95	6.77	PASS
173	Less than 2% of 174	0	PASS
174	50 - 200% of 95	85.9	PASS
175	5 - 9% of 174	7.61	PASS
176	95 - 101% of 174	98.2	PASS
177	5 - 9% of 176	6.57	PASS

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2D12109	Instrument:	MS-VOA6
Calibration:	2121003		

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

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29101	Instrument:	MS-VOA5
Calibration:	2291001		

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

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29905	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29905-TUN1	1024TUN1.D	10/24/12 10:29
Calibration Check	2J29905-CCV1	1024CCV1.D	10/24/12 10:58
LCS	2J24019-BS1	1024LCS1.D	10/24/12 11:27
Blank	2J24019-BLK1	1024BLK1.D	10/24/12 12:53
GW8233-TB	1210178-29	1017829.D	10/24/12 14:19
GW0754	1210178-01	1017801.D	10/24/12 15:45
GW0808	1210178-03	1017803.D	10/24/12 16:14
GW0809	1210178-05	1017805.D	10/24/12 16:43
GW0810	1210178-07	1017807.D	10/24/12 17:11
GW0811	1210178-09	1017809.D	10/24/12 17:40
GW0825	1210178-11	1017811D.D	10/24/12 18:09
GW0826	1210178-13	1017813.D	10/24/12 18:37
GW0827	1210178-15	1017815D.D	10/24/12 19:06
GW0855	1210178-17	1017817.D	10/24/12 19:35
GW0856	1210178-19	1017819.D	10/24/12 20:03
GW0857	1210178-21	1017821.D	10/24/12 20:32
GW0861	1210178-23	1017823.D	10/24/12 21:01
GW0862	1210178-25	1017825.D	10/24/12 21:29
GW0863	1210178-27	1017827.D	10/24/12 21:58
GW0754	2J24019-MS1	1017801M.D	10/24/12 22:27
GW0754	2J24019-MSD1	1017801S.D	10/24/12 22:55

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30305	Instrument:	MS-VOA6
Calibration:	2121003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J30305-TUN1	1025TUN1.D	10/25/12 10:05
Calibration Check	2J30305-CCV1	1025CCV1.D	10/25/12 10:34
LCS	2J25014-BS1	1025LCS1.D	10/25/12 11:03
Blank	2J25014-BLK1	1025BLK1.D	10/25/12 12:29
GW0789	1210200-03	1020003.D	10/25/12 15:50
GW0790	1210200-05	1020005.D	10/25/12 16:18
GW0791	1210200-07	1020007.D	10/25/12 16:47
GW0800	1210200-11	1020011.D	10/25/12 17:16
GW0801	1210200-13	1020013.D	10/25/12 17:44
GW0854	1210200-15	1020015.D	10/25/12 18:13
GW0864	1210200-17	1020017.D	10/25/12 18:42
GW0865	1210200-19	1020019.D	10/25/12 19:10
GW0866	1210200-21	1020021.D	10/25/12 19:39
GW0867	1210200-23	1020023.D	10/25/12 20:08
GW8234-TB	1210200-25	1020025.D	10/25/12 20:36
LCS Dup	2J25014-BSD1	1025LCD1.D	10/25/12 22:31

ANALYSIS SEQUENCE SUMMARY

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30313	Instrument:	MS-VOA5
Calibration:	2291001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J30313-TUN1	1026TUNE.D	10/26/12 20:36
Calibration Check	2J30313-CCV1	1026CCVE.D	10/26/12 21:03
LCS	2J26012-BS1	1026LCSE.D	10/26/12 21:31
Blank	2J26012-BLK1	1026BLKE.D	10/26/12 22:54
GW0774	1210200-01RE1	1020001R.D	10/27/12 02:35
GW0799	1210200-09RE1	1020009R.D	10/27/12 03:03

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29905	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29905-CCV1)			Lab File ID: 1024CCV1.D			Analyzed: 10/24/12 10:58			
Fluorobenzene	1265903	7.77	1322112	7.95	96	50 - 200	-0.1800	+/-0.50	
Chlorobenzene-d5	534562	10.88	523124	11.06	102	50 - 200	-0.1800	+/-0.50	
1,4-Dichlorobenzene-d4	451507	13.28	431103	13.45	105	50 - 200	-0.1700	+/-0.50	
LCS (2J24019-BS1)			Lab File ID: 1024LCS1.D			Analyzed: 10/24/12 11:27			
Fluorobenzene	1263441	7.77	1265903	7.77	100	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	526444	10.88	534562	10.88	98	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	448236	13.28	451507	13.28	99	50 - 200	0.0000	+/-0.50	
Blank (2J24019-BLK1)			Lab File ID: 1024BLK1.D			Analyzed: 10/24/12 12:53			
Fluorobenzene	1163254	7.77	1265903	7.77	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	480884	10.88	534562	10.88	90	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	392457	13.27	451507	13.28	87	50 - 200	-0.0100	+/-0.50	
GW8233-TB (1210178-29)			Lab File ID: 1017829.D			Analyzed: 10/24/12 14:19			
Fluorobenzene	997320	7.77	1265903	7.77	79	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	437150	10.89	534562	10.88	82	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	368478	13.28	451507	13.28	82	50 - 200	0.0000	+/-0.50	
GW0754 (1210178-01)			Lab File ID: 1017801.D			Analyzed: 10/24/12 15:45			
Fluorobenzene	1114278	7.77	1265903	7.77	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	475057	10.89	534562	10.88	89	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	383068	13.28	451507	13.28	85	50 - 200	0.0000	+/-0.50	
GW0808 (1210178-03)			Lab File ID: 1017803.D			Analyzed: 10/24/12 16:14			
Fluorobenzene	1115001	7.78	1265903	7.77	88	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	466703	10.89	534562	10.88	87	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	381609	13.28	451507	13.28	85	50 - 200	0.0000	+/-0.50	
GW0809 (1210178-05)			Lab File ID: 1017805.D			Analyzed: 10/24/12 16:43			
Fluorobenzene	1102428	7.78	1265903	7.77	87	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	463246	10.89	534562	10.88	87	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	372225	13.29	451507	13.28	82	50 - 200	0.0100	+/-0.50	
GW0810 (1210178-07)			Lab File ID: 1017807.D			Analyzed: 10/24/12 17:11			
Fluorobenzene	1118900	7.77	1265903	7.77	88	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	468146	10.88	534562	10.88	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	371994	13.29	451507	13.28	82	50 - 200	0.0100	+/-0.50	
GW0811 (1210178-09)			Lab File ID: 1017809.D			Analyzed: 10/24/12 17:40			
Fluorobenzene	1087588	7.78	1265903	7.77	86	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	460244	10.89	534562	10.88	86	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	378717	13.28	451507	13.28	84	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29905	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0825 (1210178-11)			Lab File ID: 1017811D.D			Analyzed: 10/24/12 18:09			
Fluorobenzene	1092068	7.78	1265903	7.77	86	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	454133	10.89	534562	10.88	85	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	361111	13.28	451507	13.28	80	50 - 200	0.0000	+/-0.50	
GW0826 (1210178-13)			Lab File ID: 1017813.D			Analyzed: 10/24/12 18:37			
Fluorobenzene	1107387	7.78	1265903	7.77	87	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	458208	10.89	534562	10.88	86	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	370671	13.28	451507	13.28	82	50 - 200	0.0000	+/-0.50	
GW0827 (1210178-15)			Lab File ID: 1017815D.D			Analyzed: 10/24/12 19:06			
Fluorobenzene	1081716	7.78	1265903	7.77	85	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	446516	10.89	534562	10.88	84	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	354231	13.28	451507	13.28	78	50 - 200	0.0000	+/-0.50	
GW0855 (1210178-17)			Lab File ID: 1017817.D			Analyzed: 10/24/12 19:35			
Fluorobenzene	1093681	7.78	1265903	7.77	86	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	462413	10.89	534562	10.88	87	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	367940	13.28	451507	13.28	81	50 - 200	0.0000	+/-0.50	
GW0856 (1210178-19)			Lab File ID: 1017819.D			Analyzed: 10/24/12 20:03			
Fluorobenzene	1081819	7.77	1265903	7.77	85	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	457161	10.89	534562	10.88	86	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	367552	13.28	451507	13.28	81	50 - 200	0.0000	+/-0.50	
GW0857 (1210178-21)			Lab File ID: 1017821.D			Analyzed: 10/24/12 20:32			
Fluorobenzene	1082877	7.77	1265903	7.77	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	460637	10.89	534562	10.88	86	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	372602	13.28	451507	13.28	83	50 - 200	0.0000	+/-0.50	
GW0861 (1210178-23)			Lab File ID: 1017823.D			Analyzed: 10/24/12 21:01			
Fluorobenzene	1078966	7.78	1265903	7.77	85	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	462378	10.88	534562	10.88	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	363430	13.28	451507	13.28	80	50 - 200	0.0000	+/-0.50	
GW0862 (1210178-25)			Lab File ID: 1017825.D			Analyzed: 10/24/12 21:29			
Fluorobenzene	1086857	7.78	1265903	7.77	86	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	457230	10.89	534562	10.88	86	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	360614	13.28	451507	13.28	80	50 - 200	0.0000	+/-0.50	
GW0863 (1210178-27)			Lab File ID: 1017827.D			Analyzed: 10/24/12 21:58			
Fluorobenzene	1080821	7.77	1265903	7.77	85	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	456008	10.89	534562	10.88	85	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	358078	13.28	451507	13.28	79	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29905	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike (2J24019-MS1)			Lab File ID: 1017801M.D			Analyzed: 10/24/12 22:27			
Fluorobenzene	1154330	7.77	1265903	7.77	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	490129	10.88	534562	10.88	92	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	416028	13.28	451507	13.28	92	50 - 200	0.0000	+/-0.50	
Matrix Spike Dup (2J24019-MSD1)			Lab File ID: 1017801S.D			Analyzed: 10/24/12 22:55			
Fluorobenzene	1162061	7.77	1265903	7.77	92	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	496495	10.89	534562	10.88	93	50 - 200	0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	416203	13.28	451507	13.28	92	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30305	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J30305-CCV1)			Lab File ID: 1025CCV1.D			Analyzed: 10/25/12 10:34			
Fluorobenzene	1185336	7.77	1322112	7.95	90	50 - 200	-0.1800	+/-0.50	
Chlorobenzene-d5	496370	10.89	523124	11.06	95	50 - 200	-0.1700	+/-0.50	
1,4-Dichlorobenzene-d4	418201	13.28	431103	13.45	97	50 - 200	-0.1700	+/-0.50	
LCS (2J25014-BS1)			Lab File ID: 1025LCS1.D			Analyzed: 10/25/12 11:03			
Fluorobenzene	1207728	7.78	1185336	7.77	102	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	498585	10.89	496370	10.89	100	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	421286	13.28	418201	13.28	101	50 - 200	0.0000	+/-0.50	
Blank (2J25014-BLK1)			Lab File ID: 1025BLK1.D			Analyzed: 10/25/12 12:29			
Fluorobenzene	1077519	7.77	1185336	7.77	91	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	442336	10.88	496370	10.89	89	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	359194	13.28	418201	13.28	86	50 - 200	0.0000	+/-0.50	
GW0789 (1210200-03)			Lab File ID: 1020003.D			Analyzed: 10/25/12 15:50			
Fluorobenzene	1033651	7.77	1185336	7.77	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	434620	10.89	496370	10.89	88	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	347296	13.28	418201	13.28	83	50 - 200	0.0000	+/-0.50	
GW0790 (1210200-05)			Lab File ID: 1020005.D			Analyzed: 10/25/12 16:18			
Fluorobenzene	1027951	7.78	1185336	7.77	87	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	430332	10.89	496370	10.89	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	349450	13.28	418201	13.28	84	50 - 200	0.0000	+/-0.50	
GW0791 (1210200-07)			Lab File ID: 1020007.D			Analyzed: 10/25/12 16:47			
Fluorobenzene	1019147	7.77	1185336	7.77	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	433338	10.89	496370	10.89	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	345894	13.28	418201	13.28	83	50 - 200	0.0000	+/-0.50	
GW0800 (1210200-11)			Lab File ID: 1020011.D			Analyzed: 10/25/12 17:16			
Fluorobenzene	1034711	7.77	1185336	7.77	87	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	429239	10.89	496370	10.89	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	345734	13.28	418201	13.28	83	50 - 200	0.0000	+/-0.50	
GW0801 (1210200-13)			Lab File ID: 1020013.D			Analyzed: 10/25/12 17:44			
Fluorobenzene	1040843	7.78	1185336	7.77	88	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	433915	10.89	496370	10.89	87	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	345751	13.28	418201	13.28	83	50 - 200	0.0000	+/-0.50	
GW0854 (1210200-15)			Lab File ID: 1020015.D			Analyzed: 10/25/12 18:13			
Fluorobenzene	1013532	7.77	1185336	7.77	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	425489	10.89	496370	10.89	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	342706	13.28	418201	13.28	82	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30305	Instrument:	MS-VOA6
		Calibration:	2121003

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0864 (1210200-17)			Lab File ID: 1020017.D			Analyzed: 10/25/12 18:42			
Fluorobenzene	1014181	7.77	1185336	7.77	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	428419	10.88	496370	10.89	86	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	338934	13.28	418201	13.28	81	50 - 200	0.0000	+/-0.50	
GW0865 (1210200-19)			Lab File ID: 1020019.D			Analyzed: 10/25/12 19:10			
Fluorobenzene	1020577	7.77	1185336	7.77	86	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	425468	10.89	496370	10.89	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	338068	13.29	418201	13.28	81	50 - 200	0.0100	+/-0.50	
GW0866 (1210200-21)			Lab File ID: 1020021.D			Analyzed: 10/25/12 19:39			
Fluorobenzene	1010204	7.77	1185336	7.77	85	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	424633	10.89	496370	10.89	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	338724	13.28	418201	13.28	81	50 - 200	0.0000	+/-0.50	
GW0867 (1210200-23)			Lab File ID: 1020023.D			Analyzed: 10/25/12 20:08			
Fluorobenzene	1002547	7.78	1185336	7.77	85	50 - 200	0.0100	+/-0.50	
Chlorobenzene-d5	425162	10.89	496370	10.89	86	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	336883	13.28	418201	13.28	81	50 - 200	0.0000	+/-0.50	
GW8234-TB (1210200-25)			Lab File ID: 1020025.D			Analyzed: 10/25/12 20:36			
Fluorobenzene	991080	7.77	1185336	7.77	84	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	421293	10.89	496370	10.89	85	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	334943	13.28	418201	13.28	80	50 - 200	0.0000	+/-0.50	
LCS Dup (2J25014-BSD1)			Lab File ID: 1025LCD1.D			Analyzed: 10/25/12 22:31			
Fluorobenzene	1071874	7.77	1185336	7.77	90	50 - 200	0.0000	+/-0.50	
Chlorobenzene-d5	450935	10.89	496370	10.89	91	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	385716	13.28	418201	13.28	92	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30313	Instrument:	MS-VOA5
		Calibration:	2291001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J30313-CCV1)			Lab File ID: 1026CCVE.D			Analyzed: 10/26/12 21:03			
Fluorobenzene	1551877	7.61	1190594	7.62	130	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	595320	10.76	471003	10.76	126	50 - 200	0.0000	+/-0.50	
1,4-Dichlorobenzene-d4	501139	13.16	335738	13.15	149	50 - 200	0.0100	+/-0.50	
LCS (2J26012-BS1)			Lab File ID: 1026LCSE.D			Analyzed: 10/26/12 21:31			
Fluorobenzene	1560303	7.6	1551877	7.61	101	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	610095	10.75	595320	10.76	102	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	509578	13.14	501139	13.16	102	50 - 200	-0.0200	+/-0.50	
Blank (2J26012-BLK1)			Lab File ID: 1026BLKE.D			Analyzed: 10/26/12 22:54			
Fluorobenzene	1497605	7.6	1551877	7.61	97	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	590469	10.75	595320	10.76	99	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	408328	13.15	501139	13.16	81	50 - 200	-0.0100	+/-0.50	
GW0774 (1210200-01RE1)			Lab File ID: 1020001R.D			Analyzed: 10/27/12 02:35			
Fluorobenzene	1486074	7.6	1551877	7.61	96	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	592544	10.75	595320	10.76	100	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	427405	13.15	501139	13.16	85	50 - 200	-0.0100	+/-0.50	
GW0799 (1210200-09RE1)			Lab File ID: 1020009R.D			Analyzed: 10/27/12 03:03			
Fluorobenzene	1501337	7.6	1551877	7.61	97	50 - 200	-0.0100	+/-0.50	
Chlorobenzene-d5	603916	10.75	595320	10.76	101	50 - 200	-0.0100	+/-0.50	
1,4-Dichlorobenzene-d4	403402	13.14	501139	13.16	80	50 - 200	-0.0200	+/-0.50	

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	~~0.1801176~~	2	0.1071343	4	9.755528E-02	10	8.601011E-02	20	8.151624E-02	100	8.590758E-02
Acrolein	2.502	~~0.0479271~~	5.005	4.244036E-02	10.01	4.136675E-02	25.02	3.939721E-02	50.05	0.0321366	250.2	3.434267E-02
Acrylonitrile	2.498	0.0912397	4.997	9.137988E-02	9.994	8.764754E-02	24.98	7.828111E-02	49.97	8.547037E-02	249.8	7.914204E-02
Benzene	0.5	0.9629495	1	0.9130717	2	0.916093	5	0.9172007	10	0.9526808	50	0.9448895
Bromobenzene	0.5	0.7095771	1	0.6910001	2	0.6980563	5	0.6819994	10	0.7146448	50	0.7114784
Bromochloromethane	0.5	0.1168124	1	0.1114805	2	0.1161442	5	0.11817	10	0.1248881	50	0.1241516
Tert-Amyl Methyl Ether	0.5	0.6591204	1	0.6427836	2	0.6485742	5	0.640684	10	0.6711781	50	0.6883959
Bromodichloromethane	0.5	0.2615357	1	0.2642326	2	0.2727676	5	0.269369	10	0.2959036	50	0.309363
Bromoform	0.5	0.2077016	1	0.2071471	2	0.2074382	5	0.2265467	10	0.2487134	50	0.3191807
Bromomethane	0.5	0.1557798	1	0.1508752	2	0.1465176	5	0.1292704	10	0.1574828	50	0.1505822
Bromofluorobenzene	30	0.8747748	35	0.8431836	40	0.8430485	50	0.8222031	60	0.8076482	70	0.800359
n-Butylbenzene	0.5	2.036998	1	1.955154	2	1.893978	5	1.907572	10	1.994854	50	2.058918
2-Butanone	1	0.1826121	2	0.1688407	4	0.1440387	10	0.1417527	20	0.1393668	100	0.1451565
sec-Butylbenzene	0.5	2.724093	1	2.626513	2	2.545937	5	2.586022	10	2.672613	50	2.779686
tert-Butylbenzene	0.5	1.9504	1	1.863799	2	1.871307	5	1.89602	10	1.975223	50	2.024437
Carbon disulfide	0.5	0.5205995	1	0.5309232	2	0.4872952	5	0.4978307	10	0.5944804	50	0.5476684
Carbon tetrachloride	0.5	0.1888145	1	0.1838791	2	0.1951106	5	0.1963767	10	0.2119815	50	0.2398043
Chlorobenzene	0.5	1.552623	1	1.445801	2	1.427301	5	1.445921	10	1.476692	50	1.449688
Chloroethane	0.5	0.1512853	1	0.1580256	2	0.1500205	5	0.1347753	10	0.1601011	50	0.1404982
Chloroform	0.5	0.4405522	1	0.4151525	2	0.4107461	5	0.40001	10	0.4222335	50	0.4127237
2-Chloroethyl vinyl ether	0.9975	0.1565532	1.995	0.149674	3.99	0.1581098	9.975	0.1611502	19.95	0.1675079	99.75	0.1699233
Chloromethane	0.5	0.3788425	1	0.2596072	2	0.2885362	5	0.2603289	10	0.2827593	50	0.2739572
1-Chlorohexane	0.5	0.9700645	1	0.7938692	2	0.7294273	5	0.6956974	10	0.6994101	50	0.7180541
2-Chlorotoluene	0.5	2.151769	1	2.081807	2	2.01671	5	2.028643	10	2.114715	50	2.108333
4-Chlorotoluene	0.5	2.501631	1	2.404381	2	2.29168	5	2.304939	10	2.419026	50	2.373863
Cyclohexane	0.5	0.4140795	1	0.3786403	2	0.377698	5	0.3938017	10	0.4063337	50	0.4162962
Dibromochloromethane	0.5	0.3676284	1	0.3711177	2	0.3854266	5	0.406309	10	0.4467098	50	0.518439
1,2-Dibromo-3-chloropropane	0.5	~~8.923491E-02~~	1	8.897867E-02	2	9.772513E-02	5	0.1032282	10	0.1102168	50	0.1329612
1,2-Dibromoethane (EDB)	0.5	0.5309435	1	0.5150024	2	0.5338531	5	0.5384039	10	0.5607714	50	0.5646662
Dibromomethane	0.5	0.1576675	1	0.1522382	2	0.1575075	5	0.157498	10	0.1661466	50	0.1658159
1,2-Dichlorobenzene	0.5	1.256783	1	1.219071	2	1.149309	5	1.153506	10	1.207395	50	1.208944

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.31396	1	1.244443	2	1.229276	5	1.221355	10	1.265212	50	1.247947
1,4-Dichlorobenzene	0.5	1.35143	1	1.27373	2	1.227318	5	1.248718	10	1.277693	50	1.255675
Dichlorodifluoromethane	0.5	0.1683195	1	0.1611093	2	0.1663599	5	0.1724241	10	0.2130691	50	0.2174111
1,1-Dichloroethane	0.5	0.4524627	1	0.4473073	2	0.4550976	5	0.4422696	10	0.472133	50	0.4719491
1,2-Dichloroethane	0.5	0.3542575	1	0.342508	2	0.3494061	5	0.3406776	10	0.3634142	50	0.3579977
1,1-Dichloroethene	0.5	0.18023	1	0.1829182	2	0.1878138	5	0.1836743	10	0.1785758	50	0.178688
cis-1,2-Dichloroethene	0.5	0.243333	1	0.2439208	2	0.2514144	5	0.2446177	10	0.2538203	50	0.2475189
trans-1,2-Dichloroethene	0.5	0.238344	1	0.2291282	2	0.2293002	5	0.2266238	10	0.2421863	50	0.2363768
1,2-Dichloroethene (total)	1	0.2408385	2	0.2365245	4	0.2403573	10	0.2356207	20	0.2480033	100	0.2419478
1,2-Dichloropropane	0.5	0.2559176	1	0.2553169	2	0.2579837	5	0.2545473	10	0.2721854	50	0.2647032
1,3-Dichloropropane	0.5	0.9192403	1	0.8614716	2	0.8881191	5	0.8952218	10	0.9160917	50	0.9031252
2,2-Dichloropropane	0.5	0.2989301	1	0.2795391	2	0.2842163	5	0.2882842	10	0.2981496	50	0.3006877
1,1-Dichloropropene	0.5	0.3266612	1	0.3095935	2	0.3151158	5	0.3150822	10	0.3289735	50	0.3266598
cis-1,3-Dichloropropene	0.5	0.3323243	1	0.3255927	2	0.3344992	5	0.3321005	10	0.3621164	50	0.3671761
trans-1,3-Dichloropropene	0.5	0.756377	1	0.7372835	2	0.7589611	5	0.793418	10	0.8336283	50	0.8665259
Diisopropyl Ether	0.5	1.034008	1	1.001045	2	0.994567	5	1.003313	10	1.050524	50	1.02579
Ethylbenzene	0.5	2.554537	1	2.403752	2	2.427694	5	2.47895	10	2.544432	50	2.548168
Ethyl tert-Butyl Ether	0.5	0.7646965	1	0.7663081	2	0.7635321	5	0.768298	10	0.7948713	50	0.785385
Ethyl Methacrylate	0.5	0.7206871	1	0.7056801	2	0.7205363	5	0.7248645	10	0.7575873	50	0.8002675
Hexachlorobutadiene	0.5	0.3296002	1	0.2917494	2	0.2774432	5	0.2739577	10	0.2817864	50	0.2922522
2-Hexanone	1	0.5079596	2	0.4683205	4	0.4739721	10	0.4778848	20	0.4662819	100	0.4970752
Iodomethane	0.5	~~0.13924~~	1	0.1819574	2	0.2066936	5	0.2359951	10	0.2660553	50	0.2769532
Isopropylbenzene	0.5	1.970849	1	2.025179	2	2.011303	5	2.033346	10	2.09977	50	2.126888
p-Isopropyltoluene	0.5	2.141915	1	2.020368	2	2.033851	5	2.052498	10	2.128308	50	2.209439
Methylene chloride	0.5	0.2501197	1	0.2485463	2	0.2087417	5	0.2001706	10	0.2287221	50	0.199494
Methyl Acetate	0.5	0.1741624	1	0.1859125	2	0.1795322	5	0.1606203	10	0.1988943	50	0.1711726
Methylcyclohexane	0.5	0.3150204	1	0.2941306	2	0.2971312	5	0.2965755	10	0.3095118	50	0.3219644
Naphthalene	0.5	1.302164	1	1.248637	2	1.265274	5	1.328147	10	1.372535	50	1.492241
Methyl Methacrylate	0.5	0.2725473	1	0.2654616	2	0.2575361	5	0.2483572	10	0.2621918	50	0.2696424
4-Methyl-2-pentanone	1	0.2825701	2	0.2756957	4	0.2693934	10	0.2640729	20	0.2713857	100	0.2843169
Methyl t-Butyl Ether	0.5	0.6081975	1	0.5833675	2	0.5873237	5	0.5923205	10	0.6148058	50	0.6098324

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	3.417295	1	3.267956	2	3.258523	5	3.233046	10	3.421802	50	3.461269
Styrene	0.5	1.536359	1	1.469448	2	1.497588	5	1.569024	10	1.628757	50	1.638668
1,1,2,2-Tetrachloroethane	0.5	0.8036693	1	0.8065395	2	0.79348	5	0.8067446	10	0.8366444	50	0.8542512
1,1,1,2-Tetrachloroethane	0.5	0.3596094	1	0.3606018	2	0.3660739	5	0.3833928	10	0.4118206	50	0.4541538
tert-Butyl alcohol	2.5	1.889493E-02	5	1.790302E-02	10	1.798231E-02	25	1.809741E-02	50	1.766726E-02	250	1.700114E-02
Tetrachloroethene	0.5	0.5635839	1	0.5069346	2	0.4861446	5	0.5090762	10	0.5212109	50	0.5180552
Toluene	0.5	1.362766	1	1.279828	2	1.326163	5	1.304249	10	1.354235	50	1.317459
1,2,3-Trichlorobenzene	0.5	0.6296404	1	0.599575	2	0.5919841	5	0.6095713	10	0.6370157	50	0.6649169
1,2,4-Trichlorobenzene	0.5	0.7606478	1	0.7021836	2	0.675145	5	0.7034746	10	0.7225698	50	0.7525264
1,1,2-Trichloroethane	0.5	0.435281	1	0.4545218	2	0.4347619	5	0.4350976	10	0.4488943	50	0.4434502
1,1,1-Trichloroethane	0.5	0.2733114	1	0.2661096	2	0.271391	5	0.2817628	10	0.2992965	50	0.3088854
Tetrahydrofuran	0.5	2.521422E-02	1	2.992029E-02	2	2.637809E-02	5	2.622168E-02	10	2.670446E-02	50	2.675506E-02
Trichloroethene	0.5	0.2406362	1	0.2316979	2	0.2307327	5	0.2279489	10	0.2397644	50	0.2392643
Trichlorofluoromethane	0.5	0.3011324	1	0.2663331	2	0.2980937	5	0.3116287	10	0.3175633	50	0.3356837
1,2,3-Trichloropropane	0.5	0.1603786	1	0.1652503	2	0.1762776	5	0.1711143	10	0.1721076	50	0.1752998
1,3,5-Trimethylbenzene	0.5	2.21644	1	2.114309	2	2.097947	5	2.126694	10	2.221626	50	2.240507
1,2,4-Trimethylbenzene	0.5	2.210195	1	2.115148	2	2.089978	5	2.1486	10	2.246429	50	2.259796
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.1723646	1	0.1922586	2	0.186773	5	0.184414	10	0.1790899	50	0.1852501
Vinyl chloride	0.5	0.2045902	1	0.185622	2	0.1845795	5	0.1630709	10	0.2004388	50	0.1813677
m,p-Xylene	1	2.002417	2	1.894036	4	1.873731	10	1.89301	20	1.962783	100	1.937909
o-Xylene	0.5	1.980788	1	1.849802	2	1.942643	5	1.992388	10	2.013759	50	1.980534
Vinyl acetate	0.996	0.5876486	1.992	0.5757829	3.984	0.5986996	9.96	0.6331327	19.92	0.6536054	99.62	0.6948853
Xylenes (total)	1.5	1.995207	3	1.879291	6	1.896702	15	1.926136	30	1.979775	150	1.952118
Dibromofluoromethane	30	0.2695277	35	0.2630432	40	0.259221	50	0.2545377	60	0.2525862	70	0.2515808
1,2-Dichloroethane-d4	30	6.300259E-02	35	6.171312E-02	40	6.123085E-02	50	5.958058E-02	60	5.883793E-02	70	5.849536E-02
Toluene-d8	30	2.308584	35	2.221578	40	2.199072	50	2.156851	60	2.10421	70	2.074859
tert-Amyl alcohol	2.5	1.241385E-02	5	1.288427E-02	10	0.0132215	25	1.345847E-02	50	1.370272E-02	250	1.485528E-02
tert-Amyl ethyl ether	0.5	0.6285127	1	0.6134666	2	0.6092029	5	0.6183879	10	0.646779	50	0.6433191

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	200	7.471387E-02	300	0.0770132	400	7.404267E-02						
Acrolein	500.5	3.050923E-02	750.8	3.130578E-02	1001	3.056155E-02						
Acrylonitrile	499.7	8.365227E-02	749.6	8.621994E-02	999.4	0.084467						
Benzene	100	0.9377479	150	0.9336495	200	0.9053141						
Bromobenzene	100	0.7182263	150	0.7272978	200	0.7267507						
Bromochloromethane	100	0.1224581	150	0.1222339	200	0.1193159						
Tert-Amyl Methyl Ether	100	0.6749814	150	0.6759677	200	0.6696095						
Bromodichloromethane	100	0.3185574	150	0.318914	200	0.3161989						
Bromoform	100	0.3506586	150	0.3711772	200	0.3885488						
Bromomethane	100	0.1604913	150	0.155116	200	0.1514669						
Bromofluorobenzene	30	0.8958014	30	0.9107067	30	0.9258792						
n-Butylbenzene	100	2.05639	150	2.078431	200	1.986144						
2-Butanone	200	0.1417989	300	0.1447502	400	0.1452955						
sec-Butylbenzene	100	2.756524	150	2.77685	200	2.684998						
tert-Butylbenzene	100	2.028362	150	2.044402	200	2.006021						
Carbon disulfide	100	0.5934856	150	0.6030974	200	0.5664481						
Carbon tetrachloride	100	0.2494153	150	0.2610243	200	0.2548589						
Chlorobenzene	100	1.458923	150	1.474705	200	1.487455						
Chloroethane	100	0.1576256	150	0.1414764	200	0.1359614						
Chloroform	100	0.4118854	150	0.4084187	200	0.4033273						
2-Chloroethyl vinyl ether	199.5	0.1668353	299.2	0.1669099	399	0.1614332						
Chloromethane	100	0.2780356	150	0.2706652	200	0.2664843						
1-Chlorohexane	100	0.7097214	150	0.7231164	200	0.7256518						
2-Chlorotoluene	100	2.102836	150	2.118416	200	2.080614						
4-Chlorotoluene	100	2.392896	150	2.402408	200	2.364665						
Cyclohexane	100	0.4005054	150	0.406149	200	0.3857435						
Dibromochloromethane	100	0.5469699	150	0.5789153	200	0.5931025						
1,2-Dibromo-3-chloropropane	100	0.1384731	150	~~0.146163~~	200	~~0.1495986~~						
1,2-Dibromoethane (EDB)	100	0.566303	150	0.5748398	200	0.5788857						
Dibromomethane	100	0.1617228	150	0.1596578	200	0.1595766						
1,2-Dichlorobenzene	100	1.207977	150	1.222466	200	1.207476						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.254005	150	1.276444	200	1.260036						
1,4-Dichlorobenzene	100	1.258258	150	1.262381	200	1.257068						
Dichlorodifluoromethane	100	0.2148317	150	0.2148874	200	0.2039158						
1,1-Dichloroethane	100	0.4643047	150	0.4694452	200	0.4603373						
1,2-Dichloroethane	100	0.352667	150	0.3533085	200	0.3449133						
1,1-Dichloroethene	100	0.1797146	150	0.1790365	200	0.1842444						
cis-1,2-Dichloroethene	100	0.2459143	150	0.2455829	200	0.2395434						
trans-1,2-Dichloroethene	100	0.2358056	150	0.2361538	200	0.228198						
1,2-Dichloroethene (total)	200	0.2408599	300	0.2408683	400	0.2338707						
1,2-Dichloropropane	100	0.2602117	150	0.2597686	200	0.2530029						
1,3-Dichloropropane	100	0.8901245	150	0.900473	200	0.9141893						
2,2-Dichloropropane	100	0.298285	150	0.3023606	200	0.2918012						
1,1-Dichloropropene	100	0.3205383	150	0.3197314	200	0.3087253						
cis-1,3-Dichloropropene	100	0.3710314	150	0.3742965	200	0.3698838						
trans-1,3-Dichloropropene	100	0.8900545	150	0.8931115	200	0.8864539						
Diisopropyl Ether	100	1.010086	150	1.017062	200	0.9930346						
Ethylbenzene	100	2.520833	150	2.567098	200	2.554625						
Ethyl tert-Butyl Ether	100	0.7696659	150	0.7759792	200	0.7615729						
Ethyl Methacrylate	100	0.7924296	150	0.8186302	200	0.8176895						
Hexachlorobutadiene	100	0.2985679	150	0.3142088	200	0.3170123						
2-Hexanone	200	0.4787794	300	0.496152	400	0.4952994						
Iodomethane	100	0.305896	150	0.2941182	200	0.3029534						
Isopropylbenzene	100	2.122517	150	2.140749	200	2.117771						
p-Isopropyltoluene	100	2.181694	150	2.190265	200	2.152492						
Methylene chloride	100	0.2123295	150	0.214426	200	0.2085143						
Methyl Acetate	100	0.1765423	150	0.1855354	200	0.1808324						
Methylcyclohexane	100	0.3083533	150	0.3113591	200	0.300306						
Naphthalene	100	1.540451	150	1.597726	200	1.470014						
Methyl Methacrylate	100	0.2620414	150	0.2648154	200	0.2573468						
4-Methyl-2-pentanone	200	0.2747214	300	0.2768126	400	0.2696402						
Methyl t-Butyl Ether	100	0.6057527	150	0.6179849	200	0.6113409						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	3.401236	150	3.47307	200	3.363618						
Styrene	100	1.632015	150	1.632322	200	1.63771						
1,1,2,2-Tetrachloroethane	100	0.8383679	150	0.8603034	200	0.8493742						
1,1,1,2-Tetrachloroethane	100	0.4730294	150	0.4863279	200	0.4963508						
tert-Butyl alcohol	500	1.770425E-02	750	1.730916E-02	1000	0.0173273						
Tetrachloroethene	100	0.5191535	150	0.5319872	200	0.5328344						
Toluene	100	1.292795	150	1.278975	200	1.245466						
1,2,3-Trichlorobenzene	100	0.6721853	150	0.701615	200	0.6822393						
1,2,4-Trichlorobenzene	100	0.7687008	150	0.7914642	200	0.7669205						
1,1,2-Trichloroethane	100	0.4415981	150	0.444404	200	0.4457277						
1,1,1-Trichloroethane	100	0.3108855	150	0.3149333	200	0.3105973						
Tetrahydrofuran	100	2.659779E-02	150	2.681471E-02	200	2.683712E-02						
Trichloroethene	100	0.2333937	150	0.2353471	200	0.2279421						
Trichlorofluoromethane	100	0.3128938	150	0.3352327	200	0.3205547						
1,2,3-Trichloropropane	100	0.1761729	150	0.1767071	200	0.1812664						
1,3,5-Trimethylbenzene	100	2.256857	150	2.277194	200	2.230794						
1,2,4-Trimethylbenzene	100	2.285599	150	2.283346	200	2.234423						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.1942506	150	0.1822407	200	0.1862248						
Vinyl chloride	100	0.1896973	150	0.1819323	200	0.1721193						
m,p-Xylene	200	1.887316	300	1.871684	400	1.733385						
o-Xylene	100	1.967587	150	1.954629	200	1.949325						
Vinyl acetate	199.2	0.6856328	298.9	0.6976122	398.5	0.6933485						
Xylenes (total)	300	1.914074	450	1.899333	600	1.805365						
Dibromofluoromethane	30	0.2729593	30	0.2727375	30	0.2718363						
1,2-Dichloroethane-d4	30	6.267166E-02	30	0.063738	30	6.480673E-02						
Toluene-d8	30	2.351079	30	2.399675	30	2.438261						
tert-Amyl alcohol	500	1.467905E-02	750	0.0151569	1000	1.531081E-02						
tert-Amyl ethyl ether	100	0.6392434	150	0.6338444	200	0.6188017						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acetone	8.548666E-02	13.62246	3.79875	9.274653E-02			15	
Acrolein	3.525752E-02	14.25592	3.67625	0.1406711			15	
Acrylonitrile	8.527776E-02	5.393199	4.643333	0.1072277			15	
Benzene	0.9315107	2.122697	7.685555	9.539806E-02			15	
Bromobenzene	0.7087812	2.200287	12.42	2.226331E-02			15	
Bromochloromethane	0.1195172	3.640977	6.781111	8.876222E-02			15	
Tert-Amyl Methyl Ether	0.6634772	2.496612	7.881111	4.329758E-02			15	
Bromodichloromethane	0.2918713	8.490543	8.666667	5.634014E-02			15	
Bromoform	0.2807903	27.07999	11.82333	0.0385467		0.9999206	SPCC (0.1)	
Bromomethane	0.1508425	6.0413	2.827778	0.1564675			15	
Bromofluorobenzene	0.8581783	5.320451	12.25222	3.512838E-02			15	
n-Butylbenzene	1.996493	3.36345	13.84778	3.214818E-02			15	
2-Butanone	0.1504013	9.901311	6.253333	8.003784E-02			15	
sec-Butylbenzene	2.683693	3.138093	13.30222	2.896654E-02			15	
tert-Butylbenzene	1.962219	3.583794	13.07222	3.164283E-02			15	
Carbon disulfide	0.549092	7.8436	4.795556	0.1085594			15	
Carbon tetrachloride	0.2201406	14.06956	7.652222	5.963417E-02			15	
Chlorobenzene	1.46879	2.490997	11.1	1.265792E-02			SPCC (0.3)	
Chloroethane	0.1477522	6.651077	2.965556	0.177739			15	
Chloroform	0.4138944	2.873397	6.754445	7.677392E-02			CCC (20)	
2-Chloroethyl vinyl ether	0.1620108	4.014319	9.023334	5.188695E-02			15	
Chloromethane	0.2843574	12.91666	2.231111	0.1482605			SPCC (0.1)	
1-Chlorohexane	0.751668	11.54226	11.06222	3.856191E-02			15	
2-Chlorotoluene	2.089316	2.074047	12.63333	4.148019E-02			15	
4-Chlorotoluene	2.383943	2.617429	12.69444	3.969977E-02			15	
Cyclohexane	0.3976941	3.654048	7.583333	6.438874E-02			15	
Dibromochloromethane	0.4682909	19.58175	10.33111	3.516709E-02		0.9999077	0.99	
1,2-Dibromo-3-chloropropane	0.1119305	17.66175	14.45	1.563473E-02		0.9998905	0.99	
1,2-Dibromoethane (EDB)	0.5515188	4.059789	10.55	1.218384E-02			15	
Dibromomethane	0.159759	2.732959	8.607778	5.269306E-02			15	
1,2-Dichlorobenzene	1.203659	2.780049	13.81	8.95784E-03			15	
1,3-Dichlorobenzene	1.256964	2.176385	13.39333	3.806423E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2121003	Instrument:	MS-VOA6
Matrix:	Water	Calibration Dates:	4/27/12 9:57 4/27/12 13:31

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.26803	2.71936	13.48444	3.695711E-02			15	
Dichlorodifluoromethane	0.1924809	12.76598	2.02	0.0136054			15	
1,1-Dichloroethane	0.4594785	2.373803	5.8	1.821231E-02			SPCC (0.1)	
1,2-Dichloroethane	0.3510167	2.112895	7.514445	7.102877E-02			15	
1,1-Dichloroethene	0.1816551	1.754323	4.266667	0.1186659			CCC (20)	
cis-1,2-Dichloroethene	0.2461851	1.74528	6.51	7.808219E-02			15	
trans-1,2-Dichloroethene	0.2335685	2.303894	5.422222	0.1220387			15	
1,2-Dichloroethene (total)	0.2398768	1.736859	6.51	7.808219E-02			15	
1,2-Dichloropropane	0.259293	2.312194	8.492222	4.863254E-02			CCC (20)	
1,3-Dichloropropane	0.8986729	1.994678	10.07333	4.862251E-02			15	
2,2-Dichloropropane	0.2935838	2.733695	6.614444	7.823592E-02			15	
1,1-Dichloropropene	0.319009	2.335894	7.533333	6.861941E-02			15	
cis-1,3-Dichloropropene	0.3521134	5.766677	9.241111	3.306317E-02			15	
trans-1,3-Dichloropropene	0.8239793	7.699482	9.71	1.779117E-02			15	
Diisopropyl Ether	1.014381	1.907698	6.173333	0.0812548			15	
Ethylbenzene	2.511121	2.398092	11.24778	3.875475E-02			CCC (20)	
Ethyl tert-Butyl Ether	0.7722566	1.449832	6.641111	5.284476E-02			15	
Ethyl Methacrylate	0.7620413	5.994742	9.901111	0.0370684			15	
Hexachlorobutadiene	0.2973976	6.462892	15.81111	2.267311E-02			15	
2-Hexanone	0.4846361	3.044602	10.01222	6.526454E-02			15	
Iodomethane	0.2588278	17.84729	4.46125	7.694245E-02		0.9994425	0.99	
Isopropylbenzene	2.072041	2.992551	12.14222	3.773169E-02			15	
p-Isopropyltoluene	2.123426	3.336119	13.44222	3.452873E-02			15	
Methylene chloride	0.2190071	8.77048	4.755556	0.1109935			15	
Methyl Acetate	0.1792449	5.975949	4.631111	7.186884E-02			15	
Methylcyclohexane	0.3060391	3.107595	8.814445	5.861741E-02			15	
Naphthalene	1.40191	9.049186	15.68111	0.0229818			15	
Methyl Methacrylate	0.2622156	2.752967	8.627778	4.639833E-02			15	
4-Methyl-2-pentanone	0.2742899	2.362881	9.17	2.223127E-02			15	
Methyl t-Butyl Ether	0.6034362	2.078315	5.425555	0.0958311			15	
n-Propylbenzene	3.366424	2.705707	12.55111	4.793217E-02			15	
Styrene	1.582432	4.214249	11.72	2.468036E-02			15	

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2121003	Instrument:	MS-VOA6		
Matrix:	Water	Calibration Dates:	4/27/12 9:57	4/27/12 13:31	

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

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Acetone	1	~~0.2093107~~	2	~~0.1838394~~	4	0.137999	10	0.1450872	20	0.1358526	100	0.1292078
Acrolein	2.508	3.822066E-02	5.015	3.074716E-02	10.03	3.095516E-02	25.08	3.189976E-02	50.15	2.502974E-02	250.8	0.0301772
Acrylonitrile	2.498	0.1037199	4.997	0.1020165	9.994	0.1058176	24.98	0.1106814	49.97	0.1079525	249.8	0.1064949
Benzene	0.5	1.028388	1	0.9816032	2	0.9599322	5	1.024188	10	1.01676	50	0.9648804
Bromobenzene	0.5	1.134099	1	1.100652	2	1.0305	5	1.086311	10	0.980951	50	0.8661369
Bromochloromethane	0.5	0.1706723	1	0.1785507	2	0.1790381	5	0.1783228	10	0.1720989	50	0.168626
Tert-Amyl Methyl Ether	0.5	0.7139939	1	0.629713	2	0.6864908	5	0.7518886	10	0.7204948	50	0.7347454
Bromodichloromethane	0.5	0.3318081	1	0.3395327	2	0.3547819	5	0.3893821	10	0.3822455	50	0.3927084
Bromoform	0.5	0.4969803	1	0.4118617	2	0.4067888	5	0.4729397	10	0.5098658	50	0.594906
Bromomethane	0.5	0.2813787	1	0.2582419	2	0.2162678	5	0.2154689	10	0.2282273	50	0.213425
Bromofluorobenzene	30	0.9075324	35	0.8971084	40	0.9064125	50	0.9009446	60	0.90352	70	0.9208705
n-Butylbenzene	0.5	1.151177	1	1.109212	2	1.094426	5	1.319833	10	1.381655	50	1.4688
2-Butanone	1	~~0.2810418~~	2	0.1631233	4	0.1907209	10	0.2079197	20	0.1927078	100	0.1970593
sec-Butylbenzene	0.5	2.094637	1	2.019257	2	2.051515	5	2.278473	10	2.222431	50	2.15841
tert-Butylbenzene	0.5	1.681985	1	1.600949	2	1.62075	5	1.884469	10	1.807701	50	1.760426
Carbon disulfide	0.5	0.6541316	1	0.6638185	2	0.6061679	5	0.6694927	10	0.6702467	50	0.6484019
Carbon tetrachloride	0.5	0.3031986	1	0.3155144	2	0.3185444	5	0.3424039	10	0.3566006	50	0.3797009
Chlorobenzene	0.5	1.684174	1	1.561415	2	1.517603	5	1.680945	10	1.647245	50	1.568832
Chloroethane	0.5	0.2022361	1	0.1907017	2	0.19219	5	0.2063172	10	0.1882053	50	0.1926207
Chloroform	0.5	0.6796314	1	0.5398314	2	0.5025939	5	0.5404865	10	0.5210218	50	0.5192739
2-Chloroethyl vinyl ether	0.9975	0.1985602	1.995	0.1580362	3.99	0.1681127	9.975	0.1930318	19.95	0.1880536	99.75	0.1827217
Chloromethane	0.5	0.5070932	1	0.4133419	2	0.3768373	5	0.3936102	10	0.385891	50	0.3773814
1-Chlorohexane	0.5	~~1.225788~~	1	0.9204429	2	0.8347791	5	0.8619435	10	0.770689	50	0.7897108
2-Chlorotoluene	0.5	2.436396	1	2.442797	2	2.109176	5	2.373815	10	2.204853	50	2.026105
4-Chlorotoluene	0.5	2.478694	1	2.411124	2	2.118618	5	2.450232	10	2.361746	50	2.212235
Cyclohexane	0.5	0.4635052	1	0.4073309	2	0.3790632	5	0.42866	10	0.4086563	50	0.4060051
Dibromochloromethane	0.5	0.6491171	1	0.7198563	2	0.67002	5	0.7713199	10	0.7552968	50	0.8202884
1,2-Dibromo-3-chloropropane	0.5	0.1443687	1	0.1479013	2	0.1092794	5	0.1470075	10	0.1440406	50	0.14606
1,2-Dibromoethane (EDB)	0.5	0.8123185	1	0.6479887	2	0.623019	5	0.7139955	10	0.7127572	50	0.6945692
Dibromomethane	0.5	0.2031172	1	0.2114179	2	0.2074405	5	0.2467592	10	0.2230423	50	0.2234644
1,2-Dichlorobenzene	0.5	1.550127	1	1.335107	2	1.349162	5	1.445306	10	1.355715	50	1.253407

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	0.5	1.659347	1	1.527997	2	1.462632	5	1.537842	10	1.418009	50	1.341542
1,4-Dichlorobenzene	0.5	1.704623	1	1.621969	2	1.435676	5	1.618494	10	1.517991	50	1.472998
Dichlorodifluoromethane	0.5	0.2418851	1	0.2393317	2	0.2325231	5	0.2584256	10	0.3039863	50	0.2970737
1,1-Dichloroethane	0.5	0.5801718	1	0.5292799	2	0.5433214	5	0.5824807	10	0.5674272	50	0.5517154
1,2-Dichloroethane	0.5	0.4577003	1	0.4664608	2	0.4649445	5	0.4986183	10	0.4653561	50	0.4755698
1,1-Dichloroethene	0.5	0.2258182	1	0.2151328	2	0.1973795	5	0.2358991	10	0.2329928	50	0.226227
cis-1,2-Dichloroethene	0.5	0.3485488	1	0.2942823	2	0.278491	5	0.3126759	10	0.3089413	50	0.2947265
trans-1,2-Dichloroethene	0.5	0.3055309	1	0.3056336	2	0.2551001	5	0.2900334	10	0.2690305	50	0.2686659
1,2-Dichloroethene (total)	1	0.3270399	2	0.2999579	4	0.2667955	10	0.3013546	20	0.2889859	100	0.2816962
1,2-Dichloropropane	0.5	0.3515549	1	0.2857946	2	0.3003938	5	0.3462037	10	0.3205553	50	0.3179448
1,3-Dichloropropane	0.5	0.9764418	1	0.9567702	2	1.006722	5	1.102503	10	1.071811	50	1.064477
2,2-Dichloropropane	0.5	0.4627277	1	0.3879821	2	0.3681245	5	0.4188481	10	0.4015827	50	0.4143792
1,1-Dichloropropene	0.5	0.3584481	1	0.3979661	2	0.3595389	5	0.3879962	10	0.3880272	50	0.3832157
cis-1,3-Dichloropropene	0.5	0.4679624	1	0.4134193	2	0.4252091	5	0.4856114	10	0.476467	50	0.481817
trans-1,3-Dichloropropene	0.5	1.087745	1	0.8734273	2	0.9401482	5	1.04063	10	1.025082	50	1.06396
Diisopropyl Ether	0.5	1.656553	1	1.323716	2	1.355187	5	1.462499	10	1.448533	50	1.416893
Ethylbenzene	0.5	2.958304	1	2.712674	2	2.634324	5	2.834619	10	2.75017	50	2.725992
Ethyl tert-Butyl Ether	0.5	1.04404	1	0.9879754	2	0.9619292	5	1.052878	10	1.030574	50	1.036999
Ethyl Methacrylate	0.5	0.8323399	1	0.729102	2	0.7477697	5	0.8346571	10	0.8215563	50	0.8808551
Hexachlorobutadiene	0.5	0.327858	1	0.27678	2	0.2044853	5	0.2287677	10	0.2401323	50	0.2104516
2-Hexanone	1	0.8759393	2	0.5350726	4	0.6107579	10	0.6638047	20	0.6469072	100	0.6363296
Iodomethane	0.5	0.3814601	1	0.3595522	2	0.352467	5	0.4091521	10	0.4336084	50	0.466603
Isopropylbenzene	0.5	2.096854	1	2.039571	2	2.038669	5	2.223489	10	2.156057	50	2.185784
p-Isopropyltoluene	0.5	1.584283	1	1.521244	2	1.404971	5	1.624106	10	1.596767	50	1.722013
Methylene chloride	0.5	0.3533171	1	0.3178362	2	0.2885012	5	0.3208096	10	0.3086809	50	0.2984568
Methyl Acetate	0.5	~~0.4034874~~	1	0.2549139	2	0.2926477	5	0.2820962	10	0.2809176	50	0.2759045
Methylcyclohexane	0.5	0.2939213	1	0.2609766	2	0.2581909	5	0.286672	10	0.2793021	50	0.2830842
Naphthalene	0.5	0.8803116	1	0.6655084	2	0.7034559	5	0.83726	10	0.8517879	50	0.873391
Methyl Methacrylate	0.5	0.4218866	1	0.3140697	2	0.3161786	5	0.3386494	10	0.3366743	50	0.3418622
4-Methyl-2-pentanone	1	0.4233119	2	0.3322446	4	0.3347934	10	0.3563104	20	0.3608402	100	0.3569288
Methyl t-Butyl Ether	0.5	0.6783875	1	0.6749634	2	0.6094749	5	0.6726878	10	0.6621038	50	0.6681816

INITIAL CALIBRATION DATA

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	0.5	3.263488	1	3.045531	2	2.849074	5	3.308222	10	3.159948	50	2.924052
Styrene	0.5	1.524266	1	1.363255	2	1.434808	5	1.624945	10	1.632284	50	1.722102
1,1,2,2-Tetrachloroethane	0.5	1.104709	1	0.9165126	2	0.921	5	0.9883064	10	0.9455083	50	0.8178914
1,1,1,2-Tetrachloroethane	0.5	0.6827058	1	0.5817603	2	0.5685783	5	0.6867854	10	0.6292395	50	0.6417928
tert-Butyl alcohol	2.5	2.254554E-02	5	1.637166E-02	10	2.132533E-02	25	2.155899E-02	50	2.318905E-02	250	2.262879E-02
Tetrachloroethene	0.5	0.7868965	1	0.7155285	2	0.6774597	5	0.7157279	10	0.6901926	50	0.6780332
Toluene	0.5	1.509645	1	1.488892	2	1.396716	5	1.55292	10	1.475042	50	1.464147
1,2,3-Trichlorobenzene	0.5	0.3755176	1	0.3661866	2	0.3445147	5	0.4011342	10	0.4044343	50	0.3909977
1,2,4-Trichlorobenzene	0.5	0.4722267	1	0.4608244	2	0.4037647	5	0.4728509	10	0.5014627	50	0.4849717
1,1,2-Trichloroethane	0.5	0.6098645	1	0.4990077	2	0.4691162	5	0.526175	10	0.512373	50	0.5147031
1,1,1-Trichloroethane	0.5	0.444173	1	0.4125679	2	0.4039932	5	0.4406439	10	0.4229273	50	0.4301573
Tetrahydrofuran	0.5		1	2.200603E-02	2	1.678959E-02	5	3.064017E-02	10	2.477517E-02	50	2.664395E-02
Trichloroethene	0.5	0.3151192	1	0.3054014	2	0.298117	5	0.3147773	10	0.3008742	50	0.3017606
Trichlorofluoromethane	0.5	0.5168889	1	0.4696856	2	0.4581142	5	0.4884486	10	0.481379	50	0.4732761
1,2,3-Trichloropropane	0.5	0.1645185	1	0.1940294	2	0.2058211	5	0.194572	10	0.206484	50	0.2072864
1,3,5-Trimethylbenzene	0.5	2.080538	1	2.149372	2	1.929088	5	2.251845	10	2.199486	50	2.133291
1,2,4-Trimethylbenzene	0.5	1.697474	1	1.628056	2	1.584926	5	1.869994	10	1.867937	50	1.955528
1,1,2-Trichloro-1,2,2-trifluoroethan	0.5	0.2206871	1	0.2292445	2	0.2281858	5	0.2419011	10	0.2319588	50	0.2297067
Vinyl chloride	0.5	0.3213905	1	0.2966557	2	0.2370258	5	0.1823644	10	0.229365	50	0.1869944
m,p-Xylene	1	1.873325	2	2.004391	4	1.92717	10	2.030662	20	1.989148	100	1.95425
o-Xylene	0.5	2.045351	1	1.811181	2	1.877678	5	2.037184	10	1.988475	50	2.052774
Vinyl acetate	0.996	1.021043	1.992	0.9152215	3.984	0.8650078	9.96	0.9646369	19.92	0.9415722	99.62	0.9137966
Xylenes (total)	1.5	1.930667	3	1.939988	6	1.910673	15	2.032836	30	1.988924	150	1.987091
Dibromofluoromethane	30	0.3528567	35	0.3429425	40	0.3432467	50	0.3383209	60	0.3415729	70	0.3422776
1,2-Dichloroethane-d4	30	6.444309E-02	35	6.162721E-02	40	6.201401E-02	50	6.223986E-02	60	6.230871E-02	70	6.209132E-02
Toluene-d8	30	2.287677	35	2.252852	40	2.245046	50	2.203474	60	2.148516	70	2.160796
tert-Amyl alcohol	2.5		5	1.611884E-02	10	0.0162452	25	1.764632E-02	50	1.805149E-02	250	1.781281E-02
tert-Amyl ethyl ether	0.5	0.8325782	1	0.8090635	2	0.775323	5	0.8479465	10	0.8201036	50	0.8272931

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,3-Dichlorobenzene	100	1.336381	150	1.307302	200	1.210477						
1,4-Dichlorobenzene	100	1.465122	150	1.404034	200	1.301508						
Dichlorodifluoromethane	100	0.2883207	150	0.2679091	200	0.2564453						
1,1-Dichloroethane	100	0.5468606	150	0.5220661	200	0.5052939						
1,2-Dichloroethane	100	0.4473436	150	0.4127259	200	0.3872583						
1,1-Dichloroethene	100	0.2225573	150	0.2100764	200	0.2138721						
cis-1,2-Dichloroethene	100	0.2981693	150	0.2856926	200	0.274881						
trans-1,2-Dichloroethene	100	0.2624296	150	0.2483985	200	0.2420407						
1,2-Dichloroethene (total)	200	0.2802994	300	0.2670456	400	0.2584608						
1,2-Dichloropropane	100	0.3118958	150	0.2980104	200	0.2831874						
1,3-Dichloropropane	100	1.067553	150	1.032431	200	0.9749471						
2,2-Dichloropropane	100	0.4025817	150	0.3756275	200	0.3526653						
1,1-Dichloropropene	100	0.3776621	150	0.3571731	200	0.3353771						
cis-1,3-Dichloropropene	100	0.4757073	150	0.4493707	200	0.4159489						
trans-1,3-Dichloropropene	100	1.017311	150	0.9559691	200	0.8866128						
Diisopropyl Ether	100	1.342089	150	1.225994	200	1.115844						
Ethylbenzene	100	2.576414	150	2.335666	200	2.063086						
Ethyl tert-Butyl Ether	100	1.001227	150	0.9096821	200	0.8316089						
Ethyl Methacrylate	100	0.9116472	150	0.8839081	200	0.8561447						
Hexachlorobutadiene	100	0.2507218	150	0.2632424	200	0.2650239						
2-Hexanone	200	0.6392215	300	0.6188601	400	0.5808973						
Iodomethane	100	0.4558964	150	0.4324466	200	0.4359104						
Isopropylbenzene	100	2.110598	150	1.930801	200	1.764106						
p-Isopropyltoluene	100	1.726902	150	1.613216	200	1.476111						
Methylene chloride	100	0.2911459	150	0.2911504	200	0.2826383						
Methyl Acetate	100	0.2647661	150	0.264273	200	0.2523324						
Methylcyclohexane	100	0.2888642	150	0.2710586	200	0.2594319						
Naphthalene	100	0.9609156	150	1.027227	200	0.9662239						
Methyl Methacrylate	100	0.3408883	150	0.3196133	200	0.3028905						
4-Methyl-2-pentanone	200	0.3444019	300	0.3182518	400	0.2882798						
Methyl t-Butyl Ether	100	0.6449987	150	0.607574	200	0.5808785						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
n-Propylbenzene	100	2.742988	150	2.4168	200	2.100691						
Styrene	100	1.722777	150	1.617389	200	1.512023						
1,1,2,2-Tetrachloroethane	100	0.8059682	150	0.7844217	200	0.7425934						
1,1,1,2-Tetrachloroethane	100	0.6655796	150	0.662686	200	0.6518395						
tert-Butyl alcohol	500	2.189285E-02	750	2.152677E-02	1000	2.206532E-02						
Tetrachloroethene	100	0.7022279	150	0.714417	200	0.7136411						
Toluene	100	1.427433	150	1.367729	200	1.304066						
1,2,3-Trichlorobenzene	100	0.441067	150	0.4788034	200	0.4724479						
1,2,4-Trichlorobenzene	100	0.5401172	150	0.5816383	200	0.5677333						
1,1,2-Trichloroethane	100	0.517336	150	0.5117101	200	0.4934725						
1,1,1-Trichloroethane	100	0.4290463	150	0.4029258	200	0.3865336						
Tetrahydrofuran	100	2.671989E-02	150	2.566542E-02	200	2.647819E-02						
Trichloroethene	100	0.2872951	150	0.2697105	200	0.2573622						
Trichlorofluoromethane	100	0.4694212	150	0.4413153	200	0.4223437						
1,2,3-Trichloropropane	100	0.2087153	150	0.2066379	200	0.2038684						
1,3,5-Trimethylbenzene	100	2.053956	150	1.864038	200	1.691768						
1,2,4-Trimethylbenzene	100	1.899135	150	1.78786	200	1.608316						
1,1,2-Trichloro-1,2,2-trifluoroethan	100	0.2283044	150	0.2158549	200	0.2123486						
Vinyl chloride	100	0.1981654	150	~~0.1639443~~	200	~~0.1466384~~						
m,p-Xylene	200	1.741986	300	1.492592	400	1.308365						
o-Xylene	100	1.940067	150	1.777874	200	1.617302						
Vinyl acetate	199.2	0.8136057	298.9	0.6943068	398.5	~~0.6040652~~						
Xylenes (total)	300	1.808013	450	1.587687	600	1.411344						
Dibromofluoromethane	30	0.3393876	30	0.342012	30	0.3453447						
1,2-Dichloroethane-d4	30	6.075024E-02	30	6.202381E-02	30	6.320841E-02						
Toluene-d8	30	2.316447	30	2.435615	30	2.422273						
tert-Amyl alcohol	500	1.824924E-02	750	1.817118E-02	1000	1.797343E-02						
tert-Amyl ethyl ether	100	0.8042518	150	0.7298337	200	0.6696996						

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2291001		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	10/12/12 15:24	10/12/12 19:06

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2291001	Instrument:	MS-VOA5
Matrix:	Water	Calibration Dates:	10/12/12 15:24 10/12/12 19:06

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

INITIAL CALIBRATION DATA (Continued)

SW8260B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2291001		Instrument:	MS-VOA5	
Matrix:	Water		Calibration Dates:	10/12/12 15:24	10/12/12 19:06

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetone	A	200.0	169.4	8.548666E-02	7.240282E-02		-15.3	20
Benzene	A	100.0	99.10	0.9315107	0.9230922		-0.9	20
Bromobenzene	A	100.0	101.4	0.7087812	0.719042		1.4	20
Bromochloromethane	A	100.0	99.63	0.1195172	0.11908		-0.4	20
Bromodichloromethane	A	100.0	100.4	0.2918713	0.2931071		0.4	20
Bromoform	Q	100.0	98.14	0.2807903	0.3418473	0.1	-1.9	20
Bromomethane	A	100.0	110.9	0.1508425	0.1673223		10.9	20
n-Butylbenzene	A	100.0	99.93	1.996493	1.995098		-0.07	20
2-Butanone	A	200.0	179.3	0.1504013	0.1348674		-10.3	20
sec-Butylbenzene	A	100.0	100.9	2.683693	2.707207		0.9	20
tert-Butylbenzene	A	100.0	102.1	1.962219	2.003112		2.1	20
Carbon disulfide	A	100.0	85.87	0.549092	0.4714957		-14.1	20
Carbon tetrachloride	A	100.0	109.1	0.2201406	0.2402076		9.1	20
Chlorobenzene	A	100.0	97.51	1.46879	1.432212	0.3	-2.5	20
Chloroethane	A	100.0	107.4	0.1477522	0.1586388		7.4	20
Chloroform	A	100.0	94.73	0.4138944	0.3920877		-5.3	20
Chloromethane	A	100.0	89.50	0.2843574	0.254513	0.1	-10.5	20
2-Chlorotoluene	A	100.0	98.14	2.089316	2.050395		-1.9	20
4-Chlorotoluene	A	100.0	97.30	2.383943	2.319647		-2.7	20
Dibromochloromethane	Q	100.0	98.22	0.4682909	0.5398128		-1.8	20
1,2-Dibromo-3-chloropropane	Q	100.0	96.22	0.1119305	0.1328909		-3.8	20
1,2-Dibromoethane (EDB)	A	100.0	102.4	0.5515188	0.56473		2.4	20
Dibromomethane	A	100.0	97.65	0.159759	0.156001		-2.4	20
1,2-Dichlorobenzene	A	100.0	99.01	1.203659	1.191714		-1.0	20
1,3-Dichlorobenzene	A	100.0	97.90	1.256964	1.23052		-2.1	20
1,4-Dichlorobenzene	A	100.0	98.32	1.26803	1.246685		-1.7	20
Dichlorodifluoromethane	A	100.0	107.4	0.1924809	0.2066581		7.4	20
1,1-Dichloroethane	A	100.0	97.76	0.4594785	0.4491996	0.1	-2.2	20
1,2-Dichloroethane	A	100.0	96.37	0.3510167	0.338278		-3.6	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,1-Dichloroethene	A	100.0	96.12	0.1816551	0.1745999		-3.9	20
cis-1,2-Dichloroethene	A	100.0	98.62	0.2461851	0.2427885		-1.4	20
trans-1,2-Dichloroethene	A	100.0	99.18	0.2335685	0.2316633		-0.8	20
1,2-Dichloropropane	A	100.0	99.78	0.259293	0.2587233		-0.2	20
1,3-Dichloropropane	A	100.0	100.8	0.8986729	0.9061445		0.8	20
2,2-Dichloropropane	A	100.0	95.61	0.2935838	0.2806837		-4.4	20
1,1-Dichloropropene	A	100.0	97.55	0.319009	0.311192		-2.5	20
cis-1,3-Dichloropropene	A	100.0	107.0	0.3521134	0.3767175		7.0	20
trans-1,3-Dichloropropene	A	100.0	96.29	0.8239793	0.7933875		-3.7	20
Ethylbenzene	A	100.0	100.4	2.511121	2.520183		0.4	20
Hexachlorobutadiene	A	100.0	99.17	0.2973976	0.2949307		-0.8	20
2-Hexanone	A	200.0	194.0	0.4846361	0.4700208		-3.0	20
Isopropylbenzene	A	100.0	93.88	2.072041	1.94514		-6.1	20
p-Isopropyltoluene	A	100.0	95.71	2.123426	2.032234		-4.3	20
Methylene chloride	A	100.0	88.72	0.2190071	0.1943103		-11.3	20
Naphthalene	A	100.0	97.13	1.40191	1.361695		-2.9	20
4-Methyl-2-pentanone	A	200.0	193.1	0.2742899	0.2648278		-3.4	20
Methyl t-Butyl Ether	A	100.0	99.11	0.6034362	0.5980958		-0.9	20
n-Propylbenzene	A	100.0	99.53	3.366424	3.350497		-0.5	20
Styrene	A	100.0	101.6	1.582432	1.60805		1.6	20
1,1,2,2-Tetrachloroethane	A	100.0	99.98	0.8277083	0.8275818	0.3	-0.02	20
1,1,1,2-Tetrachloroethane	A	100.0	112.6	0.4212623	0.4744246		12.6	20
Tetrachloroethene	A	100.0	98.83	0.5209978	0.5148846		-1.2	20
Toluene	A	100.0	99.26	1.306882	1.297251		-0.7	20
1,2,3-Trichlorobenzene	A	100.0	100.5	0.6431937	0.6466824		0.5	20
1,2,4-Trichlorobenzene	A	100.0	99.90	0.7381814	0.7374543		-0.1	20
1,1,2-Trichloroethane	A	100.0	101.2	0.4426374	0.4479132		1.2	20
1,1,1-Trichloroethane	A	100.0	103.7	0.2930192	0.3038476		3.7	20
Trichloroethene	A	100.0	97.09	0.2340808	0.2272732		-2.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	0427ICV2.D	Calibration Date:	04/27/12 09:57
Sequence:	2D12109	Injection Date:	04/27/12
Lab Sample ID:	2D12109-ICV2	Injection Time:	14:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Trichlorofluoromethane	A	100.0	96.47	0.3110129	0.3000265		-3.5	20
1,2,3-Trichloropropane	A	100.0	98.20	0.1727305	0.1696184		-1.8	20
1,3,5-Trimethylbenzene	A	100.0	104.0	2.198041	2.284755		3.9	20
1,2,4-Trimethylbenzene	A	100.0	102.2	2.208168	2.255949		2.2	20
Vinyl chloride	A	100.0	101.4	0.1848242	0.1873255		1.4	20
Xylenes (total)	A	300.0	295.8	1.916445	1.889213		-1.4	20
Bromofluorobenzene	A	30.00	31.58	0.8581783	0.9032791		5.3	20
Dibromofluoromethane	A	30.00	30.78	0.2631144	0.269967		2.6	20
1,2-Dichloroethane-d4	A	30.00	31.00	6.156409E-02	6.362317E-02		3.3	20
Toluene-d8	A	30.00	31.76	2.250463	2.382583		5.9	20

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1012ICV2.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29101	Injection Date:	10/12/12
Lab Sample ID:	2J29101-ICV2	Injection Time:	20:29

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1012ICV2.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29101	Injection Date:	10/12/12
Lab Sample ID:	2J29101-ICV2	Injection Time:	20:29

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1012ICV2.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29101	Injection Date:	10/12/12
Lab Sample ID:	2J29101-ICV2	Injection Time:	20:29

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

INITIAL CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1012ICV3.D	Calibration Date:	10/12/12 03:24
Sequence:	2J29101	Injection Date:	10/16/12
Lab Sample ID:	2J29101-ICV3	Injection Time:	14:13

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

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	1024CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2J29905	Injection Date:	10/24/12
Lab Sample ID:	2J29905-CCV1	Injection Time:	10:58

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	147.2	8.548666E-02	6.292899E-02		-26.4	20 *
Benzene	A	100.0	92.58	0.9315107	0.8624213		-7.4	20
Bromobenzene	A	100.0	96.24	0.7087812	0.682103		-3.8	20
Bromochloromethane	A	100.0	104.4	0.1195172	0.1247797		4.4	20
Bromodichloromethane	A	100.0	108.5	0.2918713	0.3165878		8.5	20
Bromoform	Q	100.0	101.8	0.2807903	0.3561718	0.1	1.8	20
Bromomethane	A	100.0	100.4	0.1508425	0.1514969		0.4	20
n-Butylbenzene	A	100.0	87.54	1.996493	1.747708		-12.5	20
2-Butanone	A	200.0	162.8	0.1504013	0.1224433		-18.6	20
sec-Butylbenzene	A	100.0	91.48	2.683693	2.454928		-8.5	20
tert-Butylbenzene	A	100.0	99.41	1.962219	1.950561		-0.6	20
Carbon disulfide	A	100.0	101.9	0.549092	0.5596846		1.9	20
Carbon tetrachloride	A	100.0	116.4	0.2201406	0.256299		16.4	20
Chlorobenzene	A	100.0	98.49	1.46879	1.446578	0.3	-1.5	20
Chloroethane	A	100.0	92.05	0.1477522	0.1360009		-8.0	20
Chloroform	A	100.0	97.95	0.4138944	0.4053976		-2.1	20
Chloromethane	A	100.0	91.82	0.2843574	0.2610928	0.1	-8.2	20
2-Chlorotoluene	A	100.0	90.22	2.089316	1.885015		-9.8	20
4-Chlorotoluene	A	100.0	93.43	2.383943	2.227418		-6.6	20
Dibromochloromethane	Q	100.0	102.1	0.4682909	0.5631579		2.1	20
1,2-Dibromo-3-chloropropane	Q	100.0	95.83	0.1119305	0.1323116		-4.2	20
1,2-Dibromoethane (EDB)	A	100.0	97.40	0.5515188	0.5371807		-2.6	20
Dibromomethane	A	100.0	96.38	0.159759	0.1539684		-3.6	20
1,2-Dichlorobenzene	A	100.0	97.11	1.203659	1.168844		-2.9	20
1,3-Dichlorobenzene	A	100.0	96.96	1.256964	1.218774		-3.0	20
1,4-Dichlorobenzene	A	100.0	97.62	1.26803	1.237794		-2.4	20
Dichlorodifluoromethane	A	100.0	129.2	0.1924809	0.2486041		29.2	20 *
1,1-Dichloroethane	A	100.0	93.65	0.4594785	0.4303135	0.1	-6.3	20
1,2-Dichloroethane	A	100.0	108.2	0.3510167	0.3798026		8.2	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	1024CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2J29905	Injection Date:	10/24/12
Lab Sample ID:	2J29905-CCV1	Injection Time:	10:58

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	88.52	0.1816551	0.1607931		-11.5	20
cis-1,2-Dichloroethene	A	100.0	97.42	0.2461851	0.2398302		-2.6	20
trans-1,2-Dichloroethene	A	100.0	90.52	0.2335685	0.2114363		-9.5	20
1,2-Dichloropropane	A	100.0	96.02	0.259293	0.2489807		-4.0	20
1,3-Dichloropropane	A	100.0	93.58	0.8986729	0.8409762		-6.4	20
2,2-Dichloropropane	A	100.0	114.0	0.2935838	0.3345311		13.9	20
1,1-Dichloropropene	A	100.0	94.40	0.319009	0.3011472		-5.6	20
cis-1,3-Dichloropropene	A	100.0	106.1	0.3521134	0.3735054		6.1	20
trans-1,3-Dichloropropene	A	100.0	107.4	0.8239793	0.8853688		7.5	20
Ethylbenzene	A	100.0	92.58	2.511121	2.324676		-7.4	20
Hexachlorobutadiene	A	100.0	95.78	0.2973976	0.2848328		-4.2	20
2-Hexanone	A	200.0	187.5	0.4846361	0.4544383		-6.2	20
Isopropylbenzene	A	100.0	96.06	2.072041	1.990497		-3.9	20
p-Isopropyltoluene	A	100.0	100.4	2.123426	2.13092		0.4	20
Methylene chloride	A	100.0	85.20	0.2190071	0.1865927		-14.8	20
Naphthalene	A	100.0	98.24	1.40191	1.377264		-1.8	20
4-Methyl-2-pentanone	A	200.0	197.2	0.2742899	0.2704191		-1.4	20
Methyl t-Butyl Ether	A	100.0	98.33	0.6034362	0.5933338		-1.7	20
n-Propylbenzene	A	100.0	89.90	3.366424	3.026443		-10.1	20
Styrene	A	100.0	100.7	1.582432	1.593048		0.7	20
1,1,2,2-Tetrachloroethane	A	100.0	83.46	0.8277083	0.6908285	0.3	-16.5	20
1,1,1,2-Tetrachloroethane	A	100.0	114.2	0.4212623	0.4810269		14.2	20
Tetrachloroethene	A	100.0	93.63	0.5209978	0.4878343		-6.4	20
Toluene	A	100.0	94.04	1.306882	1.229031		-6.0	20
1,2,3-Trichlorobenzene	A	100.0	92.46	0.6431937	0.5946851		-7.5	20
1,2,4-Trichlorobenzene	A	100.0	93.97	0.7381814	0.6936723		-6.0	20
1,1,2-Trichloroethane	A	100.0	89.30	0.4426374	0.3952879		-10.7	20
1,1,1-Trichloroethane	A	100.0	107.9	0.2930192	0.3161425		7.9	20
Trichloroethene	A	100.0	100.0	0.2340808	0.2341803		0.04	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	1024CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2J29905	Injection Date:	10/24/12
Lab Sample ID:	2J29905-CCV1	Injection Time:	10:58

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	94.63	0.3110129	0.2943026		-5.4	20
1,2,3-Trichloropropane	A	100.0	101.9	0.1727305	0.1760181		1.9	20
1,3,5-Trimethylbenzene	A	100.0	95.26	2.198041	2.093898		-4.7	20
1,2,4-Trimethylbenzene	A	100.0	97.32	2.208168	2.148944		-2.7	20
Vinyl chloride	A	100.0	121.7	0.1848242	0.2249333		21.7	20 *
Xylenes (total)	A	300.0	287.0	1.916445	1.833359		-4.3	20
Bromofluorobenzene	A	30.00	31.36	0.8581783	0.8969549		4.5	20
Dibromofluoromethane	A	30.00	32.73	0.2631144	0.2870354		9.1	20
1,2-Dichloroethane-d4	A	30.00	29.49	6.156409E-02	6.051175E-02		-1.7	20
Toluene-d8	A	30.00	30.51	2.250463	2.288623		1.7	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	1025CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2J30305	Injection Date:	10/25/12
Lab Sample ID:	2J30305-CCV1	Injection Time:	10:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	200.0	140.8	8.548666E-02	6.017711E-02		-29.6	20 *
Benzene	A	100.0	91.43	0.9315107	0.8517228		-8.6	20
Bromobenzene	A	100.0	96.83	0.7087812	0.6863054		-3.2	20
Bromochloromethane	A	100.0	102.2	0.1195172	0.1221884		2.2	20
Bromodichloromethane	A	100.0	107.1	0.2918713	0.3126334		7.1	20
Bromoform	Q	100.0	96.12	0.2807903	0.3339841	0.1	-3.9	20
Bromomethane	A	100.0	97.72	0.1508425	0.147403		-2.3	20
n-Butylbenzene	A	100.0	90.16	1.996493	1.800078		-9.8	20
2-Butanone	A	200.0	157.8	0.1504013	0.1186566		-21.1	20 *
sec-Butylbenzene	A	100.0	94.32	2.683693	2.531339		-5.7	20
tert-Butylbenzene	A	100.0	103.8	1.962219	2.037092		3.8	20
Carbon disulfide	A	100.0	100.4	0.549092	0.5512078		0.4	20
Carbon tetrachloride	A	100.0	120.0	0.2201406	0.2642387		20.0	20
Chlorobenzene	A	100.0	99.15	1.46879	1.456321	0.3	-0.8	20
Chloroethane	A	100.0	89.95	0.1477522	0.1329008		-10.1	20
Chloroform	A	100.0	97.91	0.4138944	0.4052641		-2.1	20
Chloromethane	A	100.0	93.35	0.2843574	0.2654475	0.1	-6.7	20
2-Chlorotoluene	A	100.0	93.16	2.089316	1.946502		-6.8	20
4-Chlorotoluene	A	100.0	94.47	2.383943	2.251995		-5.5	20
Dibromochloromethane	Q	100.0	98.98	0.4682909	0.5443238		-1.0	20
1,2-Dibromo-3-chloropropane	Q	100.0	89.78	0.1119305	0.1233139		-10.2	20
1,2-Dibromoethane (EDB)	A	100.0	95.42	0.5515188	0.5262756		-4.6	20
Dibromomethane	A	100.0	95.80	0.159759	0.1530439		-4.2	20
1,2-Dichlorobenzene	A	100.0	97.44	1.203659	1.172804		-2.6	20
1,3-Dichlorobenzene	A	100.0	98.01	1.256964	1.231899		-2.0	20
1,4-Dichlorobenzene	A	100.0	98.82	1.26803	1.253124		-1.2	20
Dichlorodifluoromethane	A	100.0	128.3	0.1924809	0.2470269		28.3	20 *
1,1-Dichloroethane	A	100.0	91.46	0.4594785	0.4202512	0.1	-8.5	20
1,2-Dichloroethane	A	100.0	110.0	0.3510167	0.3860579		10.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	1025CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2J30305	Injection Date:	10/25/12
Lab Sample ID:	2J30305-CCV1	Injection Time:	10:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	100.0	89.11	0.1816551	0.1618693		-10.9	20
cis-1,2-Dichloroethene	A	100.0	94.02	0.2461851	0.2314713		-6.0	20
trans-1,2-Dichloroethene	A	100.0	88.43	0.2335685	0.2065414		-11.6	20
1,2-Dichloropropane	A	100.0	95.25	0.259293	0.2469864		-4.7	20
1,3-Dichloropropane	A	100.0	93.37	0.8986729	0.8390759		-6.6	20
2,2-Dichloropropane	A	100.0	114.8	0.2935838	0.337068		14.8	20
1,1-Dichloropropene	A	100.0	97.28	0.319009	0.3103297		-2.7	20
cis-1,3-Dichloropropene	A	100.0	103.6	0.3521134	0.3647381		3.6	20
trans-1,3-Dichloropropene	A	100.0	105.4	0.8239793	0.8686891		5.4	20
Ethylbenzene	A	100.0	94.72	2.511121	2.37849		-5.3	20
Hexachlorobutadiene	A	100.0	88.08	0.2973976	0.2619578		-11.9	20
2-Hexanone	A	200.0	180.0	0.4846361	0.4360906		-10.0	20
Isopropylbenzene	A	100.0	100.3	2.072041	2.079083		0.3	20
p-Isopropyltoluene	A	100.0	103.7	2.123426	2.201662		3.7	20
Methylene chloride	A	100.0	83.41	0.2190071	0.182673		-16.6	20
Naphthalene	A	100.0	93.26	1.40191	1.307439		-6.7	20
4-Methyl-2-pentanone	A	200.0	187.8	0.2742899	0.2574907		-6.1	20
Methyl t-Butyl Ether	A	100.0	94.88	0.6034362	0.5725402		-5.1	20
n-Propylbenzene	A	100.0	92.52	3.366424	3.114585		-7.5	20
Styrene	A	100.0	100.5	1.582432	1.590297		0.5	20
1,1,2,2-Tetrachloroethane	A	100.0	81.29	0.8277083	0.672832	0.3	-18.7	20
1,1,1,2-Tetrachloroethane	A	100.0	114.1	0.4212623	0.4806914		14.1	20
Tetrachloroethene	A	100.0	96.89	0.5209978	0.5047908		-3.1	20
Toluene	A	100.0	94.55	1.306882	1.235644		-5.5	20
1,2,3-Trichlorobenzene	A	100.0	89.00	0.6431937	0.5724434		-11.0	20
1,2,4-Trichlorobenzene	A	100.0	91.92	0.7381814	0.6785364		-8.1	20
1,1,2-Trichloroethane	A	100.0	88.99	0.4426374	0.3938935		-11.0	20
1,1,1-Trichloroethane	A	100.0	111.0	0.2930192	0.3253143		11.0	20
Trichloroethene	A	100.0	100.6	0.2340808	0.2356018		0.6	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA6	Calibration:	2121003
Lab File ID:	1025CCV1.D	Calibration Date:	04/27/12 09:57
Sequence:	2J30305	Injection Date:	10/25/12
Lab Sample ID:	2J30305-CCV1	Injection Time:	10:34

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	100.0	97.92	0.3110129	0.3045331		-2.1	20
1,2,3-Trichloropropane	A	100.0	101.8	0.1727305	0.1757838		1.8	20
1,3,5-Trimethylbenzene	A	100.0	99.01	2.198041	2.176187		-1.0	20
1,2,4-Trimethylbenzene	A	100.0	99.89	2.208168	2.205708		-0.1	20
Vinyl chloride	A	100.0	122.2	0.1848242	0.2258393		22.2	20 *
Xylenes (total)	A	300.0	290.7	1.916445	1.857268		-3.1	20
Bromofluorobenzene	A	30.00	31.65	0.8581783	0.9053952		5.5	20
Dibromofluoromethane	A	30.00	32.28	0.2631144	0.2831273		7.6	20
1,2-Dichloroethane-d4	A	30.00	29.70	6.156409E-02	6.094053E-02		-1.0	20
Toluene-d8	A	30.00	30.61	2.250463	2.296063		2.0	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1026CCVE.D	Calibration Date:	10/12/12 03:24
Sequence:	2J30313	Injection Date:	10/26/12
Lab Sample ID:	2J30313-CCV1	Injection Time:	21:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetone	A	100.0	75.34	0.1308263	9.856999E-02		-24.7	20 *
Benzene	A	50.00	49.11	0.9492909	0.9323189		-1.8	20
Bromobenzene	A	50.00	43.22	0.9753776	0.8431864		-13.6	20
Bromochloromethane	A	50.00	48.54	0.1703055	0.1653452		-2.9	20
Bromodichloromethane	A	50.00	49.26	0.3668169	0.3613995		-1.5	20
Bromoform	Q	50.00	44.22	0.505661	0.5185195	0.1	-11.6	20
Bromomethane	A	50.00	43.15	0.2263207	0.1953197		-13.7	20
n-Butylbenzene	A	50.00	50.98	1.316239	1.342095		2.0	20
2-Butanone	A	100.0	93.78	0.1900461	0.1782282		-6.2	20
sec-Butylbenzene	A	50.00	50.58	2.066344	2.090503		1.2	20
tert-Butylbenzene	A	50.00	49.01	1.705204	1.671354		-2.0	20
Carbon disulfide	A	50.00	58.46	0.6412047	0.7497277		16.9	20
Carbon tetrachloride	A	50.00	43.85	0.3465177	0.3039067		-12.3	20
Chlorobenzene	A	50.00	47.97	1.561071	1.497556	0.3	-4.1	20
Chloroethane	A	50.00	48.75	0.1885512	0.1838326		-2.5	20
Chloroform	A	50.00	46.00	0.524999	0.4829525		-8.0	20
Chloromethane	A	50.00	52.27	0.3854947	0.4030185	0.1	4.5	20
2-Chlorotoluene	A	50.00	45.91	2.094181	1.923059		-8.2	20
4-Chlorotoluene	A	50.00	48.30	2.218103	2.142652		-3.4	20
Dibromochloromethane	A	50.00	50.29	0.7653683	0.7698105		0.6	20
1,2-Dibromo-3-chloropropane	A	50.00	47.30	0.1457781	0.1379162		-5.4	20
1,2-Dibromoethane (EDB)	A	50.00	46.77	0.6953223	0.6504737		-6.5	20
Dibromomethane	A	50.00	46.24	0.2156063	0.1993716		-7.5	20
1,2-Dichlorobenzene	A	50.00	46.33	1.322429	1.225367		-7.3	20
1,3-Dichlorobenzene	A	50.00	45.17	1.422392	1.284962		-9.7	20
1,4-Dichlorobenzene	A	50.00	44.71	1.504713	1.345562		-10.6	20
Dichlorodifluoromethane	A	50.00	60.87	0.2651001	0.3227142		21.7	20 *
1,1-Dichloroethane	A	50.00	46.22	0.5476241	0.5062499	0.1	-7.6	20
1,2-Dichloroethane	A	50.00	44.94	0.4528864	0.4070805		-10.1	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1026CCVE.D	Calibration Date:	10/12/12 03:24
Sequence:	2J30313	Injection Date:	10/26/12
Lab Sample ID:	2J30313-CCV1	Injection Time:	21:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,1-Dichloroethene	A	50.00	51.06	0.219995	0.2246645		2.1	20
cis-1,2-Dichloroethene	A	50.00	47.53	0.299601	0.2848204		-4.9	20
trans-1,2-Dichloroethene	A	50.00	46.93	0.2718737	0.2551737		-6.1	20
1,2-Dichloropropane	A	50.00	46.93	0.3128379	0.293615		-6.1	20
1,3-Dichloropropane	A	50.00	47.87	1.028184	0.9844376		-4.3	20
2,2-Dichloropropane	A	50.00	38.41	0.3982799	0.3059288		-23.2	20 *
1,1-Dichloropropene	A	50.00	46.41	0.3717116	0.3450045		-7.2	20
cis-1,3-Dichloropropene	A	50.00	44.67	0.4546126	0.4061344		-10.7	20
trans-1,3-Dichloropropene	A	50.00	47.23	0.9878761	0.9331889		-5.5	20
Ethylbenzene	A	50.00	47.88	2.62125	2.509959		-4.2	20
Hexachlorobutadiene	A	50.00	48.58	0.2519403	0.244774		-2.8	20
2-Hexanone	A	100.0	97.29	0.64531	0.6278482		-2.7	20
Isopropylbenzene	A	50.00	49.32	2.060659	2.032462		-1.4	20
p-Isopropyltoluene	A	50.00	49.97	1.585513	1.584497		-0.06	20
Methylene chloride	A	50.00	46.21	0.3058374	0.282644		-7.6	20
Naphthalene	A	50.00	47.58	0.8628979	0.8211829		-4.8	20
4-Methyl-2-pentanone	A	100.0	103.1	0.3461514	0.3567691		3.1	20
Methyl t-Butyl Ether	A	50.00	46.60	0.6443611	0.6005169		-6.8	20
n-Propylbenzene	A	50.00	48.43	2.867866	2.777719		-3.1	20
Styrene	A	50.00	49.89	1.57265	1.569161		-0.2	20
1,1,2,2-Tetrachloroethane	A	50.00	44.95	0.891879	0.8018757	0.3	-10.1	20
1,1,1,2-Tetrachloroethane	A	50.00	48.34	0.6412186	0.6198901		-3.3	20
Tetrachloroethene	A	50.00	46.60	0.7104583	0.662174		-6.8	20
Toluene	A	50.00	48.56	1.442954	1.401256		-2.9	20
1,2,3-Trichlorobenzene	A	50.00	46.70	0.4083448	0.381372		-6.6	20
1,2,4-Trichlorobenzene	A	50.00	45.89	0.4983989	0.4573953		-8.2	20
1,1,2-Trichloroethane	A	50.00	47.46	0.5170842	0.4907811		-5.1	20
1,1,1-Trichloroethane	A	50.00	45.30	0.4192187	0.3798336		-9.4	20
Trichloroethene	A	50.00	44.31	0.2944908	0.2609998		-11.4	20

CONTINUING CALIBRATION CHECK

SW8260B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-VOA5	Calibration:	2291001
Lab File ID:	1026CCVE.D	Calibration Date:	10/12/12 03:24
Sequence:	2J30313	Injection Date:	10/26/12
Lab Sample ID:	2J30313-CCV1	Injection Time:	21:03

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Trichlorofluoromethane	A	50.00	45.83	0.4689858	0.4298718		-8.3	20
1,2,3-Trichloropropane	A	50.00	49.45	0.1991037	0.1969149		-1.1	20
1,3,5-Trimethylbenzene	A	50.00	46.12	2.039265	1.881049		-7.8	20
1,2,4-Trimethylbenzene	A	50.00	48.80	1.766581	1.724056		-2.4	20
Vinyl chloride	L	50.00	48.50	0.2359945	0.1906582		-3.0	20
Xylenes (total)	A	150.0	150.7	1.844136	1.853774		0.5	20
Bromofluorobenzene	A	30.00	30.13	0.9353573	0.9395182		0.4	20
Dibromofluoromethane	A	30.00	30.73	0.3431068	0.3515053		2.4	20
1,2-Dichloroethane-d4	A	30.00	30.29	6.230074E-02	0.0628948		1.0	20
Toluene-d8	A	30.00	30.53	2.274744	2.315042		1.8	20

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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
GW0754	10/16/12 16:26	10/17/12 08:10	10/24/12 15:45	N/A	14.00	10/24/12 15:45	7.93	14.00	
GW0808	10/16/12 16:09	10/17/12 08:10	10/24/12 16:14	N/A	14.00	10/24/12 16:14	7.96	14.00	
GW0809	10/16/12 13:59	10/17/12 08:10	10/24/12 16:43	N/A	14.00	10/24/12 16:43	8.07	14.00	
GW0810	10/16/12 13:59	10/17/12 08:10	10/24/12 17:11	N/A	14.00	10/24/12 17:11	8.09	14.00	
GW0811	10/16/12 11:32	10/17/12 08:10	10/24/12 17:40	N/A	14.00	10/24/12 17:40	8.21	14.00	
GW0825	10/15/12 15:54	10/17/12 08:10	10/24/12 18:09	N/A	14.00	10/24/12 18:09	9.05	14.00	
GW0826	10/15/12 11:13	10/17/12 08:10	10/24/12 18:37	N/A	14.00	10/24/12 18:37	9.27	14.00	
GW0827	10/15/12 13:37	10/17/12 08:10	10/24/12 19:06	N/A	14.00	10/24/12 19:06	9.19	14.00	
GW0855	10/16/12 14:01	10/17/12 08:10	10/24/12 19:35	N/A	14.00	10/24/12 19:35	8.19	14.00	
GW0856	10/16/12 14:01	10/17/12 08:10	10/24/12 20:03	N/A	14.00	10/24/12 20:03	8.21	14.00	
GW0857	10/16/12 11:28	10/17/12 08:10	10/24/12 20:32	N/A	14.00	10/24/12 20:32	8.34	14.00	
GW0861	10/15/12 16:23	10/17/12 08:10	10/24/12 21:01	N/A	14.00	10/24/12 21:01	9.15	14.00	
GW0862	10/15/12 13:40	10/17/12 08:10	10/24/12 21:29	N/A	14.00	10/24/12 21:29	9.28	14.00	
GW0863	10/15/12 11:03	10/17/12 08:10	10/24/12 21:58	N/A	14.00	10/24/12 21:58	9.41	14.00	
GW8233-TB	10/15/12 08:00	10/17/12 08:10	10/24/12 14:19	N/A	14.00	10/24/12 14:19	9.22	14.00	
GW0774	10/18/12 15:43	10/19/12 17:15	10/27/12 02:35	N/A	14.00	10/27/12 02:35	8.41	14.00	
GW0789	10/18/12 15:34	10/19/12 17:15	10/25/12 15:50	N/A	14.00	10/25/12 15:50	6.97	14.00	
GW0790	10/18/12 13:33	10/19/12 17:15	10/25/12 16:18	N/A	14.00	10/25/12 16:18	7.07	14.00	
GW0791	10/18/12 11:09	10/19/12 17:15	10/25/12 16:47	N/A	14.00	10/25/12 16:47	7.19	14.00	
GW0799	10/17/12 16:07	10/19/12 17:15	10/27/12 03:03	N/A	14.00	10/27/12 03:03	9.41	14.00	
GW0800	10/17/12 13:35	10/19/12 17:15	10/25/12 17:16	N/A	14.00	10/25/12 17:16	8.11	14.00	
GW0801	10/17/12 11:06	10/19/12 17:15	10/25/12 17:44	N/A	14.00	10/25/12 17:44	8.23	14.00	
GW0854	10/18/12 12:49	10/19/12 17:15	10/25/12 18:13	N/A	14.00	10/25/12 18:13	7.18	14.00	
GW0864	10/17/12 16:11	10/19/12 17:15	10/25/12 18:42	N/A	14.00	10/25/12 18:42	8.06	14.00	

HOLDING TIME SUMMARY

SW8260B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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
GW0865	10/17/12 13:23	10/19/12 17:15	10/25/12 19:10	N/A	14.00	10/25/12 19:10	8.20	14.00	
GW0866	10/17/12 13:23	10/19/12 17:15	10/25/12 19:39	N/A	14.00	10/25/12 19:39	8.22	14.00	
GW0867	10/17/12 10:41	10/19/12 17:15	10/25/12 20:08	N/A	14.00	10/25/12 20:08	8.35	14.00	
GW8234-TB	10/17/12 08:00	10/19/12 17:15	10/25/12 20:36	N/A	14.00	10/25/12 20:36	8.48	14.00	

Data for SW8270D Forms

Sample Extraction Data

Prep Method: EXT_3510-SW8270D

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-11 [GW0825]	2J19004	1,000.00/1.00	1080	1.00	1.00		10/19/12
1210178-13 [GW0826]	2J19004	1,000.00/1.00	1060	1.00	1.00		10/19/12
1210178-15 [GW0827]	2J19004	1,000.00/1.00	1020	1.00	1.00		10/19/12
1210178-17 [GW0855]	2J19004	1,000.00/1.00	1000	1.00	1.00		10/19/12
1210178-19 [GW0856]	2J19004	1,000.00/1.00	900	1.00	1.00		10/19/12
1210178-21 [GW0857]	2J19004	1,000.00/1.00	800	1.00	1.00		10/19/12
1210178-23 [GW0861]	2J19004	1,000.00/1.00	800	1.00	1.00		10/19/12
1210178-25 [GW0862]	2J19004	1,000.00/1.00	1000	1.00	1.00		10/19/12
1210178-27 [GW0863]	2J19004	1,000.00/1.00	800	1.00	1.00		10/19/12

Sample Extraction Data

Prep Method: EXT_3510-SW8270D

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-23 [GW0867]	2J22003	1,000.00/1.00	1000	1.00	1.00		10/22/12

Sample Extraction Data

Prep Method: EXT_3510-SW8270D

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2J23002	1,000.00/1.00	900	1.00	1.00		10/23/12
1210178-03 [GW0808]	2J23002	1,000.00/1.00	1020	1.00	1.00		10/23/12
1210178-05 [GW0809]	2J23002	1,000.00/1.00	1040	1.00	1.00		10/23/12
1210178-07 [GW0810]	2J23002	1,000.00/1.00	1080	1.00	1.00		10/23/12
1210178-09 [GW0811]	2J23002	1,000.00/1.00	1040	1.00	1.00		10/23/12

Sample Extraction Data

Prep Method: EXT_3510-SW8270D

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-09 [GW0799]	2J24003	1,000.00/1.00	1000	1.00	1.00		10/24/12
1210200-11 [GW0800]	2J24003	1,000.00/1.00	900	1.00	1.00		10/24/12
1210200-13 [GW0801]	2J24003	1,000.00/1.00	1000	1.00	1.00		10/24/12
1210200-17 [GW0864]	2J24003	1,000.00/1.00	1060	1.00	1.00		10/24/12
1210200-19 [GW0865]	2J24003	1,000.00/1.00	1060	1.00	1.00		10/24/12
1210200-21 [GW0866]	2J24003	1,000.00/1.00	1020	1.00	1.00		10/24/12

Sample Extraction Data

Prep Method: EXT_3510-SW8270D

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-01 [GW0774]	2J25012	1,000.00/1.00	1080	1.00	1.00		10/25/12
1210200-03 [GW0789]	2J25012	1,000.00/1.00	1000	1.00	1.00		10/25/12
1210200-05 [GW0790]	2J25012	1,000.00/1.00	900	1.00	1.00		10/25/12
1210200-07 [GW0791]	2J25012	1,000.00/1.00	1000	1.00	1.00		10/25/12
1210200-15 [GW0854]	2J25012	1,000.00/1.00	1000	1.00	1.00		10/25/12

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-01	File ID:	1017801.D
Sampled:	10/16/12 16:26	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 00:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-01	File ID:	1017801.D
Sampled:	10/16/12 16:26	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 00:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	38.61	69.5	50 - 110	
2-Fluorophenol	111.1	37.67	33.9	20 - 110	
Nitrobenzene-d5	55.56	38.52	69.3	40 - 110	
Phenol-d6	111.1	23.01	20.7	0 - 110	
Terphenyl-d14	55.56	54.17	97.5	50 - 135	
2,4,6-Tribromophenol	111.1	95.20	85.7	40 - 125	

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-03	File ID:	1017803.D
Sampled:	10/16/12 16:09	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 00:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.23	2.45	4.90	U
208-96-8	Acenaphthylene		1.23	2.45	4.90	U
98-86-2	Acetophenone		1.23	2.45	4.90	U
120-12-7	Anthracene		1.23	2.45	4.90	U
1912-24-9	Atrazine		1.23	2.45	4.90	U
100-52-7	Benzaldehyde		1.23	2.45	4.90	U
92-87-5	Benzidine		12.3	49.0	98.0	UX
56-55-3	Benzo(a)anthracene		1.23	2.45	4.90	U
50-32-8	Benzo(a)pyrene		1.23	2.45	4.90	U
205-99-2	Benzo(b)fluoranthene		1.23	2.45	4.90	U
191-24-2	Benzo(g,h,i)perylene		1.23	2.45	4.90	U
65-85-0	Benzoic acid		12.3	49.0	98.0	U
207-08-9	Benzo(k)fluoranthene		1.23	2.45	4.90	U
92-52-4	1,1-Biphenyl		1.23	2.45	4.90	U
101-55-3	4-Bromophenyl-phenylether		1.23	2.45	4.90	U
85-68-7	Butylbenzylphthalate		1.23	2.45	4.90	U
105-60-2	Caprolactam		1.23	2.45	4.90	UX
86-74-8	Carbazole		1.23	2.45	4.90	U
59-50-7	4-Chloro-3-methylphenol		1.23	2.45	4.90	U
106-47-8	4-Chloroaniline		1.23	2.45	4.90	U
111-91-1	Bis(2-chloroethoxy)methane		1.23	2.45	4.90	U
111-44-4	Bis(2-chloroethyl)ether		1.23	2.45	4.90	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.23	2.45	4.90	U
91-58-7	2-Chloronaphthalene		1.23	2.45	4.90	U
95-57-8	2-Chlorophenol		1.23	2.45	4.90	U
7005-72-3	4-Chlorophenyl phenyl ether		1.23	2.45	4.90	U
218-01-9	Chrysene		1.23	2.45	4.90	U
53-70-3	Dibenz(a,h)anthracene		1.23	2.45	4.90	U
132-64-9	Dibenzofuran		1.23	2.45	4.90	U
84-74-2	Di-n-butylphthalate		1.23	2.45	4.90	U
91-94-1	3,3'-Dichlorobenzidine		1.23	2.45	4.90	UX
120-83-2	2,4-Dichlorophenol		1.23	2.45	4.90	U
84-66-2	Diethylphthalate		1.23	2.45	4.90	U
105-67-9	2,4-Dimethylphenol		4.90	9.80	19.6	U
131-11-3	Dimethyl phthalate		1.23	2.45	4.90	U
534-52-1	4,6-Dinitro-2-methylphenol		4.90	9.80	19.6	UX
51-28-5	2,4-Dinitrophenol		8.17	24.5	49.0	UX
121-14-2	2,4-Dinitrotoluene		1.23	2.45	4.90	U
606-20-2	2,6-Dinitrotoluene		1.23	2.45	4.90	U
117-84-0	Di-n-octylphthalate		1.23	2.45	4.90	U

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-03	File ID:	1017803.D
Sampled:	10/16/12 16:09	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 00:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	37.25	76.0	50 - 110	
2-Fluorophenol	98.04	16.63	17.0	20 - 110	*
Nitrobenzene-d5	49.02	36.84	75.2	40 - 110	
Phenol-d6	98.04	14.50	14.8	0 - 110	
Terphenyl-d14	49.02	45.64	93.1	50 - 135	
2,4,6-Tribromophenol	98.04	44.62	45.5	40 - 125	

ANALYSIS DATA SHEET

GW0809

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-05	File ID:	1017805.D
Sampled:	10/16/12 13:59	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 01:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	48.1	96.2	UX
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	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	UX
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	UX
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	UX
51-28-5	2,4-Dinitrophenol		8.01	24.0	48.1	UX
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

GW0809

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-05	File ID:	1017805.D
Sampled:	10/16/12 13:59	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 01:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	4.81	9.62	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	37.25	77.5	50 - 110	
2-Fluorophenol	96.15	12.47	13.0	20 - 110	*
Nitrobenzene-d5	48.08	36.45	75.8	40 - 110	
Phenol-d6	96.15	10.88	11.3	0 - 110	
Terphenyl-d14	48.08	46.55	96.8	50 - 135	
2,4,6-Tribromophenol	96.15	35.02	36.4	40 - 125	*

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-07	File ID:	1017807.D
Sampled:	10/16/12 13:59	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 01:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-07	File ID:	1017807.D
Sampled:	10/16/12 13:59	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 01:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	37.04	80.0	50 - 110	
2-Fluorophenol	92.59	24.64	26.6	20 - 110	
Nitrobenzene-d5	46.30	36.95	79.8	40 - 110	
Phenol-d6	92.59	17.69	19.1	0 - 110	
Terphenyl-d14	46.30	44.64	96.4	50 - 135	
2,4,6-Tribromophenol	92.59	64.64	69.8	40 - 125	

ANALYSIS DATA SHEET

GW0811

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-09	File ID:	1017809.D
Sampled:	10/16/12 11:32	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 02:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.20	2.40	4.81	U
208-96-8	Acenaphthylene		1.20	2.40	4.81	U
98-86-2	Acetophenone		1.20	2.40	4.81	U
120-12-7	Anthracene		1.20	2.40	4.81	U
1912-24-9	Atrazine		1.20	2.40	4.81	U
100-52-7	Benzaldehyde		1.20	2.40	4.81	U
92-87-5	Benzidine		12.0	48.1	96.2	UX
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	48.1	96.2	U
207-08-9	Benzo(k)fluoranthene		1.20	2.40	4.81	U
92-52-4	1,1-Biphenyl		1.20	2.40	4.81	U
101-55-3	4-Bromophenyl-phenylether		1.20	2.40	4.81	U
85-68-7	Butylbenzylphthalate		1.20	2.40	4.81	U
105-60-2	Caprolactam		1.20	2.40	4.81	UX
86-74-8	Carbazole		1.20	2.40	4.81	U
59-50-7	4-Chloro-3-methylphenol		1.20	2.40	4.81	U
106-47-8	4-Chloroaniline		1.20	2.40	4.81	U
111-91-1	Bis(2-chloroethoxy)methane		1.20	2.40	4.81	U
111-44-4	Bis(2-chloroethyl)ether		1.20	2.40	4.81	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.20	2.40	4.81	U
91-58-7	2-Chloronaphthalene		1.20	2.40	4.81	U
95-57-8	2-Chlorophenol		1.20	2.40	4.81	U
7005-72-3	4-Chlorophenyl phenyl ether		1.20	2.40	4.81	U
218-01-9	Chrysene		1.20	2.40	4.81	U
53-70-3	Dibenz(a,h)anthracene		1.20	2.40	4.81	U
132-64-9	Dibenzofuran		1.20	2.40	4.81	U
84-74-2	Di-n-butylphthalate		1.20	2.40	4.81	U
91-94-1	3,3'-Dichlorobenzidine		1.20	2.40	4.81	UX
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	UX
51-28-5	2,4-Dinitrophenol		8.01	24.0	48.1	UX
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

GW0811

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-09	File ID:	1017809.D
Sampled:	10/16/12 11:32	Prepared:	10/23/12 09:20	Analyzed:	11/04/12 02:20
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.20	2.40	4.81	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.20	2.40	4.81	U
206-44-0	Fluoranthene		1.20	2.40	4.81	U
86-73-7	Fluorene		1.20	2.40	4.81	U
118-74-1	Hexachlorobenzene		1.20	2.40	4.81	U
87-68-3	Hexachlorobutadiene		1.20	2.40	4.81	U
77-47-4	Hexachlorocyclopentadiene		1.20	4.81	9.62	U
67-72-1	Hexachloroethane		1.20	2.40	4.81	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.20	2.40	4.81	U
78-59-1	Isophorone		1.20	2.40	4.81	U
90-12-0	1-Methylnaphthalene		1.20	2.40	4.81	U
91-57-6	2-Methylnaphthalene		1.20	2.40	4.81	U
95-48-7	2-Methylphenol		1.20	2.40	4.81	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.20	2.40	4.81	U
91-20-3	Naphthalene		1.20	2.40	4.81	U
100-01-6	4-Nitroaniline		4.81	9.62	19.2	U
99-09-2	3-Nitroaniline		4.81	9.62	19.2	U
88-74-4	2-Nitroaniline		4.81	9.62	19.2	U
98-95-3	Nitrobenzene		1.20	2.40	4.81	U
100-02-7	4-Nitrophenol		4.81	9.62	19.2	U
88-75-5	2-Nitrophenol		1.20	2.40	4.81	U
86-30-6	N-Nitrosodiphenylamine		1.20	2.40	4.81	U
621-64-7	N-Nitroso-di-n-propylamine		1.20	2.40	4.81	U
87-86-5	Pentachlorophenol		4.81	9.62	19.2	U
85-01-8	Phenanthrene		1.20	2.40	4.81	U
108-95-2	Phenol		1.20	2.40	4.81	U
129-00-0	Pyrene		1.20	2.40	4.81	U
88-06-2	2,4,6-Trichlorophenol		1.20	2.40	4.81	U
95-95-4	2,4,5-Trichlorophenol		1.20	2.40	4.81	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	48.08	37.27	77.5	50 - 110	
2-Fluorophenol	96.15	23.14	24.1	20 - 110	
Nitrobenzene-d5	48.08	36.43	75.8	40 - 110	
Phenol-d6	96.15	17.03	17.7	0 - 110	
Terphenyl-d14	48.08	47.61	99.0	50 - 135	
2,4,6-Tribromophenol	96.15	63.75	66.3	40 - 125	

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-11	File ID:	1017811.D
Sampled:	10/15/12 15:54	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 01:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

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

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-11	File ID:	1017811.D
Sampled:	10/15/12 15:54	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 01:59
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	38.97	84.2	50 - 110	
2-Fluorophenol	92.59	19.78	21.4	20 - 110	
Nitrobenzene-d5	46.30	40.70	87.9	40 - 110	
Phenol-d6	92.59	13.87	15.0	0 - 110	
Terphenyl-d14	46.30	44.66	96.5	50 - 135	X
2,4,6-Tribromophenol	92.59	63.03	68.1	40 - 125	

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-13	File ID:	1017813.D
Sampled:	10/15/12 11:13	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 02:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	47.2	94.3	UX
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	47.2	94.3	UY
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	U
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	U
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	U
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		7.86	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-13	File ID:	1017813.D
Sampled:	10/15/12 11:13	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 02:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	U
77-47-4	Hexachlorocyclopentadiene		1.18	4.72	9.43	UX
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	U
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	39.13	83.0	50 - 110	
2-Fluorophenol	94.34	23.04	24.4	20 - 110	
Nitrobenzene-d5	47.17	40.60	86.1	40 - 110	
Phenol-d6	94.34	15.21	16.1	0 - 110	
Terphenyl-d14	47.17	47.98	102	50 - 135	X
2,4,6-Tribromophenol	94.34	66.63	70.6	40 - 125	

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-15	File ID:	1017815.D
Sampled:	10/15/12 13:37	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 02:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

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

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-15	File ID:	1017815.D
Sampled:	10/15/12 13:37	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 02:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	43.40	88.5	50 - 110	
2-Fluorophenol	98.04	29.57	30.2	20 - 110	
Nitrobenzene-d5	49.02	47.86	97.6	40 - 110	
Phenol-d6	98.04	21.83	22.3	0 - 110	
Terphenyl-d14	49.02	46.33	94.5	50 - 135	X
2,4,6-Tribromophenol	98.04	72.69	74.1	40 - 125	

ANALYSIS DATA SHEET

GW0855

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-17	File ID:	1017817.D
Sampled:	10/16/12 14:01	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 03:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	UY
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0855

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-17	File ID:	1017817.D
Sampled:	10/16/12 14:01	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 03:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	UX
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	40.76	81.5	50 - 110	
2-Fluorophenol	100.0	40.53	40.5	20 - 110	
Nitrobenzene-d5	50.00	42.86	85.7	40 - 110	
Phenol-d6	100.0	22.73	22.7	0 - 110	
Terphenyl-d14	50.00	45.37	90.7	50 - 135	X
2,4,6-Tribromophenol	100.0	93.68	93.7	40 - 125	

ANALYSIS DATA SHEET

GW0856

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-19	File ID:	1017819.D
Sampled:	10/16/12 14:01	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 03:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.39	2.78	5.56	U
208-96-8	Acenaphthylene		1.39	2.78	5.56	U
98-86-2	Acetophenone		1.39	2.78	5.56	U
120-12-7	Anthracene		1.39	2.78	5.56	U
1912-24-9	Atrazine		1.39	2.78	5.56	U
100-52-7	Benzaldehyde		1.39	2.78	5.56	U
92-87-5	Benzidine		13.9	55.6	111	UX
56-55-3	Benzo(a)anthracene		1.39	2.78	5.56	U
50-32-8	Benzo(a)pyrene		1.39	2.78	5.56	U
205-99-2	Benzo(b)fluoranthene		1.39	2.78	5.56	U
191-24-2	Benzo(g,h,i)perylene		1.39	2.78	5.56	U
65-85-0	Benzoic acid		13.9	55.6	111	UY
207-08-9	Benzo(k)fluoranthene		1.39	2.78	5.56	U
92-52-4	1,1-Biphenyl		1.39	2.78	5.56	U
101-55-3	4-Bromophenyl-phenylether		1.39	2.78	5.56	U
85-68-7	Butylbenzylphthalate		1.39	2.78	5.56	U
105-60-2	Caprolactam		1.39	2.78	5.56	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		9.26	27.8	55.6	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

GW0856

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-19	File ID:	1017819.D
Sampled:	10/16/12 14:01	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 03:48
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	47.29	85.1	50 - 110	
2-Fluorophenol	111.1	45.70	41.1	20 - 110	
Nitrobenzene-d5	55.56	48.75	87.8	40 - 110	
Phenol-d6	111.1	25.29	22.8	0 - 110	
Terphenyl-d14	55.56	50.65	91.2	50 - 135	X
2,4,6-Tribromophenol	111.1	106.6	95.9	40 - 125	

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-21	File ID:	1017821.D
Sampled:	10/16/12 11:28	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 04:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.56	3.12	6.25	U
208-96-8	Acenaphthylene		1.56	3.12	6.25	U
98-86-2	Acetophenone		1.56	3.12	6.25	U
120-12-7	Anthracene		1.56	3.12	6.25	U
1912-24-9	Atrazine		1.56	3.12	6.25	U
100-52-7	Benzaldehyde		1.56	3.12	6.25	U
92-87-5	Benzidine		15.6	62.5	125	UX
56-55-3	Benzo(a)anthracene		1.56	3.12	6.25	U
50-32-8	Benzo(a)pyrene		1.56	3.12	6.25	U
205-99-2	Benzo(b)fluoranthene		1.56	3.12	6.25	U
191-24-2	Benzo(g,h,i)perylene		1.56	3.12	6.25	U
65-85-0	Benzoic acid		15.6	62.5	125	UY
207-08-9	Benzo(k)fluoranthene		1.56	3.12	6.25	U
92-52-4	1,1-Biphenyl		1.56	3.12	6.25	U
101-55-3	4-Bromophenyl-phenylether		1.56	3.12	6.25	U
85-68-7	Butylbenzylphthalate		1.56	3.12	6.25	U
105-60-2	Caprolactam		1.56	3.12	6.25	U
86-74-8	Carbazole		1.56	3.12	6.25	U
59-50-7	4-Chloro-3-methylphenol		1.56	3.12	6.25	U
106-47-8	4-Chloroaniline		1.56	3.12	6.25	U
111-91-1	Bis(2-chloroethoxy)methane		1.56	3.12	6.25	U
111-44-4	Bis(2-chloroethyl)ether		1.56	3.12	6.25	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.56	3.12	6.25	U
91-58-7	2-Chloronaphthalene		1.56	3.12	6.25	U
95-57-8	2-Chlorophenol		1.56	3.12	6.25	U
7005-72-3	4-Chlorophenyl phenyl ether		1.56	3.12	6.25	U
218-01-9	Chrysene		1.56	3.12	6.25	U
53-70-3	Dibenz(a,h)anthracene		1.56	3.12	6.25	U
132-64-9	Dibenzofuran		1.56	3.12	6.25	U
84-74-2	Di-n-butylphthalate		1.56	3.12	6.25	U
91-94-1	3,3'-Dichlorobenzidine		1.56	3.12	6.25	U
120-83-2	2,4-Dichlorophenol		1.56	3.12	6.25	U
84-66-2	Diethylphthalate		1.56	3.12	6.25	U
105-67-9	2,4-Dimethylphenol		6.25	12.5	25.0	U
131-11-3	Dimethyl phthalate		1.56	3.12	6.25	U
534-52-1	4,6-Dinitro-2-methylphenol		6.25	12.5	25.0	U
51-28-5	2,4-Dinitrophenol		10.4	31.2	62.5	U
121-14-2	2,4-Dinitrotoluene		1.56	3.12	6.25	U
606-20-2	2,6-Dinitrotoluene		1.56	3.12	6.25	U
117-84-0	Di-n-octylphthalate		1.56	3.12	6.25	U

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-21	File ID:	1017821.D
Sampled:	10/16/12 11:28	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 04:15
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.56	3.12	6.25	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.56	3.12	6.25	U
206-44-0	Fluoranthene		1.56	3.12	6.25	U
86-73-7	Fluorene		1.56	3.12	6.25	U
118-74-1	Hexachlorobenzene		1.56	3.12	6.25	U
87-68-3	Hexachlorobutadiene		1.56	3.12	6.25	U
77-47-4	Hexachlorocyclopentadiene		1.56	6.25	12.5	UX
67-72-1	Hexachloroethane		1.56	3.12	6.25	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.56	3.12	6.25	U
78-59-1	Isophorone		1.56	3.12	6.25	U
90-12-0	1-Methylnaphthalene		1.56	3.12	6.25	U
91-57-6	2-Methylnaphthalene		1.56	3.12	6.25	U
95-48-7	2-Methylphenol		1.56	3.12	6.25	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.56	3.12	6.25	U
91-20-3	Naphthalene		1.56	3.12	6.25	U
100-01-6	4-Nitroaniline		6.25	12.5	25.0	U
99-09-2	3-Nitroaniline		6.25	12.5	25.0	U
88-74-4	2-Nitroaniline		6.25	12.5	25.0	U
98-95-3	Nitrobenzene		1.56	3.12	6.25	U
100-02-7	4-Nitrophenol		6.25	12.5	25.0	U
88-75-5	2-Nitrophenol		1.56	3.12	6.25	U
86-30-6	N-Nitrosodiphenylamine		1.56	3.12	6.25	U
621-64-7	N-Nitroso-di-n-propylamine		1.56	3.12	6.25	U
87-86-5	Pentachlorophenol		6.25	12.5	25.0	U
85-01-8	Phenanthrene		1.56	3.12	6.25	U
108-95-2	Phenol		1.56	3.12	6.25	U
129-00-0	Pyrene		1.56	3.12	6.25	U
88-06-2	2,4,6-Trichlorophenol		1.56	3.12	6.25	U
95-95-4	2,4,5-Trichlorophenol		1.56	3.12	6.25	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	62.50	50.99	81.6	50 - 110	
2-Fluorophenol	125.0	49.55	39.6	20 - 110	
Nitrobenzene-d5	62.50	52.07	83.3	40 - 110	
Phenol-d6	125.0	27.90	22.3	0 - 110	
Terphenyl-d14	62.50	57.52	92.0	50 - 135	X
2,4,6-Tribromophenol	125.0	118.7	95.0	40 - 125	

ANALYSIS DATA SHEET

GW0861

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-23	File ID:	1017823.D
Sampled:	10/15/12 16:23	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 04:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.56	3.12	6.25	U
208-96-8	Acenaphthylene		1.56	3.12	6.25	U
98-86-2	Acetophenone		1.56	3.12	6.25	U
120-12-7	Anthracene		1.56	3.12	6.25	U
1912-24-9	Atrazine		1.56	3.12	6.25	U
100-52-7	Benzaldehyde		1.56	3.12	6.25	U
92-87-5	Benzidine		15.6	62.5	125	UX
56-55-3	Benzo(a)anthracene		1.56	3.12	6.25	U
50-32-8	Benzo(a)pyrene		1.56	3.12	6.25	U
205-99-2	Benzo(b)fluoranthene		1.56	3.12	6.25	U
191-24-2	Benzo(g,h,i)perylene		1.56	3.12	6.25	U
65-85-0	Benzoic acid		15.6	62.5	125	UY
207-08-9	Benzo(k)fluoranthene		1.56	3.12	6.25	U
92-52-4	1,1-Biphenyl		1.56	3.12	6.25	U
101-55-3	4-Bromophenyl-phenylether		1.56	3.12	6.25	U
85-68-7	Butylbenzylphthalate		1.56	3.12	6.25	U
105-60-2	Caprolactam		1.56	3.12	6.25	U
86-74-8	Carbazole		1.56	3.12	6.25	U
59-50-7	4-Chloro-3-methylphenol		1.56	3.12	6.25	U
106-47-8	4-Chloroaniline		1.56	3.12	6.25	U
111-91-1	Bis(2-chloroethoxy)methane		1.56	3.12	6.25	U
111-44-4	Bis(2-chloroethyl)ether		1.56	3.12	6.25	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.56	3.12	6.25	U
91-58-7	2-Chloronaphthalene		1.56	3.12	6.25	U
95-57-8	2-Chlorophenol		1.56	3.12	6.25	U
7005-72-3	4-Chlorophenyl phenyl ether		1.56	3.12	6.25	U
218-01-9	Chrysene		1.56	3.12	6.25	U
53-70-3	Dibenz(a,h)anthracene		1.56	3.12	6.25	U
132-64-9	Dibenzofuran		1.56	3.12	6.25	U
84-74-2	Di-n-butylphthalate		1.56	3.12	6.25	U
91-94-1	3,3'-Dichlorobenzidine		1.56	3.12	6.25	U
120-83-2	2,4-Dichlorophenol		1.56	3.12	6.25	U
84-66-2	Diethylphthalate		1.56	3.12	6.25	U
105-67-9	2,4-Dimethylphenol		6.25	12.5	25.0	U
131-11-3	Dimethyl phthalate		1.56	3.12	6.25	U
534-52-1	4,6-Dinitro-2-methylphenol		6.25	12.5	25.0	U
51-28-5	2,4-Dinitrophenol		10.4	31.2	62.5	U
121-14-2	2,4-Dinitrotoluene		1.56	3.12	6.25	U
606-20-2	2,6-Dinitrotoluene		1.56	3.12	6.25	U
117-84-0	Di-n-octylphthalate		1.56	3.12	6.25	U

ANALYSIS DATA SHEET

GW0861

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-23	File ID:	1017823.D
Sampled:	10/15/12 16:23	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 04:42
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.56	3.12	6.25	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.56	3.12	6.25	U
206-44-0	Fluoranthene		1.56	3.12	6.25	U
86-73-7	Fluorene		1.56	3.12	6.25	U
118-74-1	Hexachlorobenzene		1.56	3.12	6.25	U
87-68-3	Hexachlorobutadiene		1.56	3.12	6.25	U
77-47-4	Hexachlorocyclopentadiene		1.56	6.25	12.5	UX
67-72-1	Hexachloroethane		1.56	3.12	6.25	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.56	3.12	6.25	U
78-59-1	Isophorone		1.56	3.12	6.25	U
90-12-0	1-Methylnaphthalene		1.56	3.12	6.25	U
91-57-6	2-Methylnaphthalene		1.56	3.12	6.25	U
95-48-7	2-Methylphenol		1.56	3.12	6.25	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.56	3.12	6.25	U
91-20-3	Naphthalene		1.56	3.12	6.25	U
100-01-6	4-Nitroaniline		6.25	12.5	25.0	U
99-09-2	3-Nitroaniline		6.25	12.5	25.0	U
88-74-4	2-Nitroaniline		6.25	12.5	25.0	U
98-95-3	Nitrobenzene		1.56	3.12	6.25	U
100-02-7	4-Nitrophenol		6.25	12.5	25.0	U
88-75-5	2-Nitrophenol		1.56	3.12	6.25	U
86-30-6	N-Nitrosodiphenylamine		1.56	3.12	6.25	U
621-64-7	N-Nitroso-di-n-propylamine		1.56	3.12	6.25	U
87-86-5	Pentachlorophenol		6.25	12.5	25.0	U
85-01-8	Phenanthrene		1.56	3.12	6.25	U
108-95-2	Phenol		1.56	3.12	6.25	U
129-00-0	Pyrene		1.56	3.12	6.25	U
88-06-2	2,4,6-Trichlorophenol		1.56	3.12	6.25	U
95-95-4	2,4,5-Trichlorophenol		1.56	3.12	6.25	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	62.50	48.35	77.4	50 - 110	
2-Fluorophenol	125.0	47.11	37.7	20 - 110	
Nitrobenzene-d5	62.50	50.07	80.1	40 - 110	
Phenol-d6	125.0	26.95	21.6	0 - 110	
Terphenyl-d14	62.50	54.35	87.0	50 - 135	X
2,4,6-Tribromophenol	125.0	110.2	88.2	40 - 125	

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-25	File ID:	1017825.D
Sampled:	10/15/12 13:40	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 05:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	UY
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-25	File ID:	1017825.D
Sampled:	10/15/12 13:40	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 05:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	UX
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.23	84.5	50 - 110	
2-Fluorophenol	100.0	41.02	41.0	20 - 110	
Nitrobenzene-d5	50.00	41.42	82.8	40 - 110	
Phenol-d6	100.0	23.26	23.3	0 - 110	
Terphenyl-d14	50.00	46.34	92.7	50 - 135	X
2,4,6-Tribromophenol	100.0	98.04	98.0	40 - 125	

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-27	File ID:	1017827.D
Sampled:	10/15/12 11:03	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 05:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.56	3.12	6.25	U
208-96-8	Acenaphthylene		1.56	3.12	6.25	U
98-86-2	Acetophenone		1.56	3.12	6.25	U
120-12-7	Anthracene		1.56	3.12	6.25	U
1912-24-9	Atrazine		1.56	3.12	6.25	U
100-52-7	Benzaldehyde		1.56	3.12	6.25	U
92-87-5	Benzidine		15.6	62.5	125	UX
56-55-3	Benzo(a)anthracene		1.56	3.12	6.25	U
50-32-8	Benzo(a)pyrene		1.56	3.12	6.25	U
205-99-2	Benzo(b)fluoranthene		1.56	3.12	6.25	U
191-24-2	Benzo(g,h,i)perylene		1.56	3.12	6.25	U
65-85-0	Benzoic acid		15.6	62.5	125	UY
207-08-9	Benzo(k)fluoranthene		1.56	3.12	6.25	U
92-52-4	1,1-Biphenyl		1.56	3.12	6.25	U
101-55-3	4-Bromophenyl-phenylether		1.56	3.12	6.25	U
85-68-7	Butylbenzylphthalate		1.56	3.12	6.25	U
105-60-2	Caprolactam		1.56	3.12	6.25	U
86-74-8	Carbazole		1.56	3.12	6.25	U
59-50-7	4-Chloro-3-methylphenol		1.56	3.12	6.25	U
106-47-8	4-Chloroaniline		1.56	3.12	6.25	U
111-91-1	Bis(2-chloroethoxy)methane		1.56	3.12	6.25	U
111-44-4	Bis(2-chloroethyl)ether		1.56	3.12	6.25	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.56	3.12	6.25	U
91-58-7	2-Chloronaphthalene		1.56	3.12	6.25	U
95-57-8	2-Chlorophenol		1.56	3.12	6.25	U
7005-72-3	4-Chlorophenyl phenyl ether		1.56	3.12	6.25	U
218-01-9	Chrysene		1.56	3.12	6.25	U
53-70-3	Dibenz(a,h)anthracene		1.56	3.12	6.25	U
132-64-9	Dibenzofuran		1.56	3.12	6.25	U
84-74-2	Di-n-butylphthalate		1.56	3.12	6.25	U
91-94-1	3,3'-Dichlorobenzidine		1.56	3.12	6.25	U
120-83-2	2,4-Dichlorophenol		1.56	3.12	6.25	U
84-66-2	Diethylphthalate		1.56	3.12	6.25	U
105-67-9	2,4-Dimethylphenol		6.25	12.5	25.0	U
131-11-3	Dimethyl phthalate		1.56	3.12	6.25	U
534-52-1	4,6-Dinitro-2-methylphenol		6.25	12.5	25.0	U
51-28-5	2,4-Dinitrophenol		10.4	31.2	62.5	U
121-14-2	2,4-Dinitrotoluene		1.56	3.12	6.25	U
606-20-2	2,6-Dinitrotoluene		1.56	3.12	6.25	U
117-84-0	Di-n-octylphthalate		1.56	3.12	6.25	U

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-27	File ID:	1017827.D
Sampled:	10/15/12 11:03	Prepared:	10/19/12 12:23	Analyzed:	10/23/12 05:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.56	3.12	6.25	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.56	3.12	6.25	U
206-44-0	Fluoranthene		1.56	3.12	6.25	U
86-73-7	Fluorene		1.56	3.12	6.25	U
118-74-1	Hexachlorobenzene		1.56	3.12	6.25	U
87-68-3	Hexachlorobutadiene		1.56	3.12	6.25	U
77-47-4	Hexachlorocyclopentadiene		1.56	6.25	12.5	UX
67-72-1	Hexachloroethane		1.56	3.12	6.25	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.56	3.12	6.25	U
78-59-1	Isophorone		1.56	3.12	6.25	U
90-12-0	1-Methylnaphthalene		1.56	3.12	6.25	U
91-57-6	2-Methylnaphthalene		1.56	3.12	6.25	U
95-48-7	2-Methylphenol		1.56	3.12	6.25	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.56	3.12	6.25	U
91-20-3	Naphthalene		1.56	3.12	6.25	U
100-01-6	4-Nitroaniline		6.25	12.5	25.0	U
99-09-2	3-Nitroaniline		6.25	12.5	25.0	U
88-74-4	2-Nitroaniline		6.25	12.5	25.0	U
98-95-3	Nitrobenzene		1.56	3.12	6.25	U
100-02-7	4-Nitrophenol		6.25	12.5	25.0	U
88-75-5	2-Nitrophenol		1.56	3.12	6.25	U
86-30-6	N-Nitrosodiphenylamine		1.56	3.12	6.25	U
621-64-7	N-Nitroso-di-n-propylamine		1.56	3.12	6.25	U
87-86-5	Pentachlorophenol		6.25	12.5	25.0	U
85-01-8	Phenanthrene		1.56	3.12	6.25	U
108-95-2	Phenol		1.56	3.12	6.25	U
129-00-0	Pyrene		1.56	3.12	6.25	U
88-06-2	2,4,6-Trichlorophenol		1.56	3.12	6.25	U
95-95-4	2,4,5-Trichlorophenol		1.56	3.12	6.25	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	62.50	46.66	74.6	50 - 110	
2-Fluorophenol	125.0	46.46	37.2	20 - 110	
Nitrobenzene-d5	62.50	48.09	76.9	40 - 110	
Phenol-d6	125.0	26.66	21.3	0 - 110	
Terphenyl-d14	62.50	61.57	98.5	50 - 135	X
2,4,6-Tribromophenol	125.0	122.0	97.6	40 - 125	

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-01	File ID:	1020001.D
Sampled:	10/18/12 15:43	Prepared:	10/25/12 11:00	Analyzed:	11/05/12 22:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

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

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-01	File ID:	1020001.D
Sampled:	10/18/12 15:43	Prepared:	10/25/12 11:00	Analyzed:	11/05/12 22:26
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	46.30	41.17	88.9	50 - 110	
2-Fluorophenol	92.59	14.90	16.1	20 - 110	*
Nitrobenzene-d5	46.30	41.38	89.4	40 - 110	
Phenol-d6	92.59	14.35	15.5	0 - 110	
Terphenyl-d14	46.30	48.44	105	50 - 135	
2,4,6-Tribromophenol	92.59	41.87	45.2	40 - 125	

ANALYSIS DATA SHEET

GW0789

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-03	File ID:	1020003.D
Sampled:	10/18/12 15:34	Prepared:	10/25/12 11:00	Analyzed:	11/05/12 22:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	UX
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	UX
86-74-8	Carbazole		1.25	2.50	5.00	UQ
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	UQ
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	UQ
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	UXQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	UQ
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	UQ
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UQ
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

GW0789

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-03	File ID:	1020003.D
Sampled:	10/18/12 15:34	Prepared:	10/25/12 11:00	Analyzed:	11/05/12 22:53
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	UQ
88-75-5	2-Nitrophenol		1.25	2.50	5.00	UQ
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	UQ
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	UQ
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.38	86.8	50 - 110	
2-Fluorophenol	100.0	33.29	33.3	20 - 110	
Nitrobenzene-d5	50.00	44.09	88.2	40 - 110	
Phenol-d6	100.0	26.10	26.1	0 - 110	
Terphenyl-d14	50.00	49.35	98.7	50 - 135	
2,4,6-Tribromophenol	100.0	74.64	74.6	40 - 125	

ANALYSIS DATA SHEET

GW0790

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-05	File ID:	1020005.D
Sampled:	10/18/12 13:33	Prepared:	10/25/12 11:00	Analyzed:	11/05/12 23:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.39	2.78	5.56	U
208-96-8	Acenaphthylene		1.39	2.78	5.56	U
98-86-2	Acetophenone		1.39	2.78	5.56	U
120-12-7	Anthracene		1.39	2.78	5.56	U
1912-24-9	Atrazine		1.39	2.78	5.56	U
100-52-7	Benzaldehyde		1.39	2.78	5.56	UX
92-87-5	Benzidine		13.9	55.6	111	UX
56-55-3	Benzo(a)anthracene		1.39	2.78	5.56	U
50-32-8	Benzo(a)pyrene		1.39	2.78	5.56	U
205-99-2	Benzo(b)fluoranthene		1.39	2.78	5.56	U
191-24-2	Benzo(g,h,i)perylene		1.39	2.78	5.56	U
65-85-0	Benzoic acid		13.9	55.6	111	U
207-08-9	Benzo(k)fluoranthene		1.39	2.78	5.56	U
92-52-4	1,1-Biphenyl		1.39	2.78	5.56	U
101-55-3	4-Bromophenyl-phenylether		1.39	2.78	5.56	U
85-68-7	Butylbenzylphthalate		1.39	2.78	5.56	UQ
105-60-2	Caprolactam		1.39	2.78	5.56	UX
86-74-8	Carbazole		1.39	2.78	5.56	UQ
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	UQ
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	UQ
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	UXQ
120-83-2	2,4-Dichlorophenol		1.39	2.78	5.56	UQ
84-66-2	Diethylphthalate		1.39	2.78	5.56	U
105-67-9	2,4-Dimethylphenol		5.56	11.1	22.2	U
131-11-3	Dimethyl phthalate		1.39	2.78	5.56	U
534-52-1	4,6-Dinitro-2-methylphenol		5.56	11.1	22.2	UQ
51-28-5	2,4-Dinitrophenol		9.26	27.8	55.6	UQ
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

GW0790

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-05	File ID:	1020005.D
Sampled:	10/18/12 13:33	Prepared:	10/25/12 11:00	Analyzed:	11/05/12 23:21
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	43.45	78.2	50 - 110	
2-Fluorophenol	111.1	46.44	41.8	20 - 110	
Nitrobenzene-d5	55.56	43.11	77.6	40 - 110	
Phenol-d6	111.1	27.24	24.5	0 - 110	
Terphenyl-d14	55.56	55.50	99.9	50 - 135	
2,4,6-Tribromophenol	111.1	104.6	94.2	40 - 125	

ANALYSIS DATA SHEET

GW0791

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-07	File ID:	1020007.D
Sampled:	10/18/12 11:09	Prepared:	10/25/12 11:00	Analyzed:	11/05/12 23:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	UX
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	UX
86-74-8	Carbazole		1.25	2.50	5.00	UQ
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	UQ
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	UQ
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	UXQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	UQ
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	UQ
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UQ
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

GW0791

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-07	File ID:	1020007.D
Sampled:	10/18/12 11:09	Prepared:	10/25/12 11:00	Analyzed:	11/05/12 23:49
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	UQ
88-75-5	2-Nitrophenol		1.25	2.50	5.00	UQ
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	UQ
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	UQ
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.26	86.5	50 - 110	
2-Fluorophenol	100.0	42.34	42.3	20 - 110	
Nitrobenzene-d5	50.00	41.47	82.9	40 - 110	
Phenol-d6	100.0	25.67	25.7	0 - 110	
Terphenyl-d14	50.00	51.68	103	50 - 135	
2,4,6-Tribromophenol	100.0	97.03	97.0	40 - 125	

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-09	File ID:	1020009.D
Sampled:	10/17/12 16:07	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 05:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	UQ
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	UQ
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-09	File ID:	1020009.D
Sampled:	10/17/12 16:07	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 05:14
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	UQ
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	UQ
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	47.26	94.5	50 - 110	
2-Fluorophenol	100.0	26.76	26.8	20 - 110	
Nitrobenzene-d5	50.00	49.25	98.5	40 - 110	
Phenol-d6	100.0	20.98	21.0	0 - 110	
Terphenyl-d14	50.00	52.48	105	50 - 135	X
2,4,6-Tribromophenol	100.0	58.93	58.9	40 - 125	

ANALYSIS DATA SHEET

GW0800

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-11	File ID:	1020011.D
Sampled:	10/17/12 13:35	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 05:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.39	2.78	5.56	U
208-96-8	Acenaphthylene		1.39	2.78	5.56	U
98-86-2	Acetophenone		1.39	2.78	5.56	U
120-12-7	Anthracene		1.39	2.78	5.56	U
1912-24-9	Atrazine		1.39	2.78	5.56	U
100-52-7	Benzaldehyde		1.39	2.78	5.56	U
92-87-5	Benzidine		13.9	55.6	111	UX
56-55-3	Benzo(a)anthracene		1.39	2.78	5.56	U
50-32-8	Benzo(a)pyrene		1.39	2.78	5.56	U
205-99-2	Benzo(b)fluoranthene		1.39	2.78	5.56	U
191-24-2	Benzo(g,h,i)perylene		1.39	2.78	5.56	U
65-85-0	Benzoic acid		13.9	55.6	111	U
207-08-9	Benzo(k)fluoranthene		1.39	2.78	5.56	U
92-52-4	1,1-Biphenyl		1.39	2.78	5.56	U
101-55-3	4-Bromophenyl-phenylether		1.39	2.78	5.56	UQ
85-68-7	Butylbenzylphthalate		1.39	2.78	5.56	UQ
105-60-2	Caprolactam		1.39	2.78	5.56	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	UQ
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		9.26	27.8	55.6	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

GW0800

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-11	File ID:	1020011.D
Sampled:	10/17/12 13:35	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 05:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	55.56	49.41	88.9	50 - 110	
2-Fluorophenol	111.1	29.12	26.2	20 - 110	
Nitrobenzene-d5	55.56	51.07	91.9	40 - 110	
Phenol-d6	111.1	21.70	19.5	0 - 110	
Terphenyl-d14	55.56	56.00	101	50 - 135	X
2,4,6-Tribromophenol	111.1	70.92	63.8	40 - 125	

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-13	File ID:	1020013.D
Sampled:	10/17/12 11:06	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 06:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	UQ
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	UQ
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-13	File ID:	1020013.D
Sampled:	10/17/12 11:06	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 06:09
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	UQ
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	UQ
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.90	87.8	50 - 110	
2-Fluorophenol	100.0	37.32	37.3	20 - 110	
Nitrobenzene-d5	50.00	45.08	90.2	40 - 110	
Phenol-d6	100.0	23.12	23.1	0 - 110	
Terphenyl-d14	50.00	51.28	103	50 - 135	X
2,4,6-Tribromophenol	100.0	91.87	91.9	40 - 125	

ANALYSIS DATA SHEET

GW0854

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-15	File ID:	1020015.D
Sampled:	10/18/12 12:49	Prepared:	10/25/12 11:00	Analyzed:	11/06/12 00:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	UX
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	UX
86-74-8	Carbazole		1.25	2.50	5.00	UQ
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	UQ
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	UQ
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	UXQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	UQ
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	UQ
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UQ
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

GW0854

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-15	File ID:	1020015.D
Sampled:	10/18/12 12:49	Prepared:	10/25/12 11:00	Analyzed:	11/06/12 00:16
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate	**1.76**	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	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	UQ
88-75-5	2-Nitrophenol		1.25	2.50	5.00	UQ
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	UQ
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	UQ
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	UQ

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	42.20	84.4	50 - 110	
2-Fluorophenol	100.0	14.68	14.7	20 - 110	*
Nitrobenzene-d5	50.00	40.87	81.7	40 - 110	
Phenol-d6	100.0	13.76	13.8	0 - 110	
Terphenyl-d14	50.00	51.77	104	50 - 135	
2,4,6-Tribromophenol	100.0	42.95	43.0	40 - 125	

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-17	File ID:	1020017.D
Sampled:	10/17/12 16:11	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 06:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	47.2	94.3	UX
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	47.2	94.3	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	UQ
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	UQ
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	UQ
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		7.86	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-17	File ID:	1020017.D
Sampled:	10/17/12 16:11	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 06:36
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	UQ
77-47-4	Hexachlorocyclopentadiene		1.18	4.72	9.43	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	UQ
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	39.15	83.0	50 - 110	
2-Fluorophenol	94.34	29.77	31.6	20 - 110	
Nitrobenzene-d5	47.17	41.72	88.4	40 - 110	
Phenol-d6	94.34	17.91	19.0	0 - 110	
Terphenyl-d14	47.17	47.86	101	50 - 135	X
2,4,6-Tribromophenol	94.34	86.58	91.8	40 - 125	

ANALYSIS DATA SHEET

GW0865

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-19	File ID:	1020019.D
Sampled:	10/17/12 13:23	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 07:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.18	2.36	4.72	U
208-96-8	Acenaphthylene		1.18	2.36	4.72	U
98-86-2	Acetophenone		1.18	2.36	4.72	U
120-12-7	Anthracene		1.18	2.36	4.72	U
1912-24-9	Atrazine		1.18	2.36	4.72	U
100-52-7	Benzaldehyde		1.18	2.36	4.72	U
92-87-5	Benzidine		11.8	47.2	94.3	UX
56-55-3	Benzo(a)anthracene		1.18	2.36	4.72	U
50-32-8	Benzo(a)pyrene		1.18	2.36	4.72	U
205-99-2	Benzo(b)fluoranthene		1.18	2.36	4.72	U
191-24-2	Benzo(g,h,i)perylene		1.18	2.36	4.72	U
65-85-0	Benzoic acid		11.8	47.2	94.3	U
207-08-9	Benzo(k)fluoranthene		1.18	2.36	4.72	U
92-52-4	1,1-Biphenyl		1.18	2.36	4.72	U
101-55-3	4-Bromophenyl-phenylether		1.18	2.36	4.72	UQ
85-68-7	Butylbenzylphthalate		1.18	2.36	4.72	UQ
105-60-2	Caprolactam		1.18	2.36	4.72	U
86-74-8	Carbazole		1.18	2.36	4.72	U
59-50-7	4-Chloro-3-methylphenol		1.18	2.36	4.72	U
106-47-8	4-Chloroaniline		1.18	2.36	4.72	U
111-91-1	Bis(2-chloroethoxy)methane		1.18	2.36	4.72	U
111-44-4	Bis(2-chloroethyl)ether		1.18	2.36	4.72	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.18	2.36	4.72	U
91-58-7	2-Chloronaphthalene		1.18	2.36	4.72	U
95-57-8	2-Chlorophenol		1.18	2.36	4.72	U
7005-72-3	4-Chlorophenyl phenyl ether		1.18	2.36	4.72	U
218-01-9	Chrysene		1.18	2.36	4.72	U
53-70-3	Dibenz(a,h)anthracene		1.18	2.36	4.72	U
132-64-9	Dibenzofuran		1.18	2.36	4.72	U
84-74-2	Di-n-butylphthalate		1.18	2.36	4.72	UQ
91-94-1	3,3'-Dichlorobenzidine		1.18	2.36	4.72	U
120-83-2	2,4-Dichlorophenol		1.18	2.36	4.72	U
84-66-2	Diethylphthalate		1.18	2.36	4.72	U
105-67-9	2,4-Dimethylphenol		4.72	9.43	18.9	U
131-11-3	Dimethyl phthalate		1.18	2.36	4.72	U
534-52-1	4,6-Dinitro-2-methylphenol		4.72	9.43	18.9	U
51-28-5	2,4-Dinitrophenol		7.86	23.6	47.2	U
121-14-2	2,4-Dinitrotoluene		1.18	2.36	4.72	U
606-20-2	2,6-Dinitrotoluene		1.18	2.36	4.72	U
117-84-0	Di-n-octylphthalate		1.18	2.36	4.72	U

ANALYSIS DATA SHEET

GW0865

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-19	File ID:	1020019.D
Sampled:	10/17/12 13:23	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 07:03
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.18	2.36	4.72	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.18	2.36	4.72	U
206-44-0	Fluoranthene		1.18	2.36	4.72	U
86-73-7	Fluorene		1.18	2.36	4.72	U
118-74-1	Hexachlorobenzene		1.18	2.36	4.72	U
87-68-3	Hexachlorobutadiene		1.18	2.36	4.72	UQ
77-47-4	Hexachlorocyclopentadiene		1.18	4.72	9.43	U
67-72-1	Hexachloroethane		1.18	2.36	4.72	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.18	2.36	4.72	U
78-59-1	Isophorone		1.18	2.36	4.72	U
90-12-0	1-Methylnaphthalene		1.18	2.36	4.72	U
91-57-6	2-Methylnaphthalene		1.18	2.36	4.72	U
95-48-7	2-Methylphenol		1.18	2.36	4.72	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.18	2.36	4.72	U
91-20-3	Naphthalene		1.18	2.36	4.72	U
100-01-6	4-Nitroaniline		4.72	9.43	18.9	U
99-09-2	3-Nitroaniline		4.72	9.43	18.9	U
88-74-4	2-Nitroaniline		4.72	9.43	18.9	UQ
98-95-3	Nitrobenzene		1.18	2.36	4.72	U
100-02-7	4-Nitrophenol		4.72	9.43	18.9	U
88-75-5	2-Nitrophenol		1.18	2.36	4.72	U
86-30-6	N-Nitrosodiphenylamine		1.18	2.36	4.72	U
621-64-7	N-Nitroso-di-n-propylamine		1.18	2.36	4.72	U
87-86-5	Pentachlorophenol		4.72	9.43	18.9	U
85-01-8	Phenanthrene		1.18	2.36	4.72	U
108-95-2	Phenol		1.18	2.36	4.72	U
129-00-0	Pyrene		1.18	2.36	4.72	U
88-06-2	2,4,6-Trichlorophenol		1.18	2.36	4.72	U
95-95-4	2,4,5-Trichlorophenol		1.18	2.36	4.72	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	47.17	37.89	80.3	50 - 110	
2-Fluorophenol	94.34	33.14	35.1	20 - 110	
Nitrobenzene-d5	47.17	41.10	87.1	40 - 110	
Phenol-d6	94.34	18.26	19.4	0 - 110	
Terphenyl-d14	47.17	45.46	96.4	50 - 135	X
2,4,6-Tribromophenol	94.34	92.48	98.0	40 - 125	

ANALYSIS DATA SHEET

GW0866

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-21	File ID:	1020021.D
Sampled:	10/17/12 13:23	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 07:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

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

ANALYSIS DATA SHEET

GW0866

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-21	File ID:	1020021.D
Sampled:	10/17/12 13:23	Prepared:	10/24/12 09:15	Analyzed:	11/06/12 07:30
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J24003 Sequence: 2K31208 Calibration: 2272005 Instrument: MS-BNA1

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

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	49.02	40.60	82.8	50 - 110	
2-Fluorophenol	98.04	33.95	34.6	20 - 110	
Nitrobenzene-d5	49.02	38.61	78.8	40 - 110	
Phenol-d6	98.04	19.56	20.0	0 - 110	
Terphenyl-d14	49.02	46.54	94.9	50 - 135	X
2,4,6-Tribromophenol	98.04	93.19	95.1	40 - 125	

ANALYSIS DATA SHEET

GW0867

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-23	File ID:	1020023.D
Sampled:	10/17/12 10:41	Prepared:	10/22/12 13:30	Analyzed:	11/06/12 18:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J22003 Sequence: 2K31410 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	UX
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

GW0867

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-23	File ID:	1020023.D
Sampled:	10/17/12 10:41	Prepared:	10/22/12 13:30	Analyzed:	11/06/12 18:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J22003 Sequence: 2K31410 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

Total Target Analytes Reported: 69

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	35.52	71.0	50 - 110	
2-Fluorophenol	100.0	21.67	21.7	20 - 110	
Nitrobenzene-d5	50.00	37.04	74.1	40 - 110	
Phenol-d6	100.0	17.92	17.9	0 - 110	
Terphenyl-d14	50.00	47.69	95.4	50 - 135	
2,4,6-Tribromophenol	100.0	50.47	50.5	40 - 125	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29718	Instrument:	MS-BNA1
		Calibration:	2272005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29718-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 10/22/12 18:16		
2-Fluorobiphenyl	50.00	106	80 - 120	8.01	8.01	0.0000	+/-0.500	
2-Fluorophenol	100.0	106	80 - 120	3.378	3.378	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	111	80 - 120	5.659	5.659	0.0000	+/-0.500	
Phenol-d6	100.0	103	80 - 120	4.513	4.513	0.0000	+/-0.500	
Terphenyl-d14	50.00	122	80 - 120	12.572	12.572	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	118	80 - 120	9.804	9.804	0.0000	+/-0.500	
Blank (2J19004-BLK1) ug/L				Lab File ID: J19004B1.D		Analyzed: 10/22/12 19:10		
2-Fluorobiphenyl	50.00	50.0	50 - 110	8.011	8.01	0.0010	+/-0.500	
2-Fluorophenol	100.0	19.3	20 - 110	3.377	3.378	-0.0010	+/-0.500	*
Nitrobenzene-d5	50.00	48.4	40 - 110	5.656	5.659	-0.0030	+/-0.500	
Phenol-d6	100.0	10.6	0 - 110	4.511	4.513	-0.0020	+/-0.500	
Terphenyl-d14	50.00	55.8	50 - 135	12.57	12.572	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	56.0	40 - 125	9.8	9.804	-0.0040	+/-0.500	
LCS (2J19004-BS1) ug/L				Lab File ID: J19004L1.D		Analyzed: 10/22/12 19:38		
2-Fluorobiphenyl	50.00	88.9	50 - 110	8.01	8.01	0.0000	+/-0.500	
2-Fluorophenol	100.0	35.5	20 - 110	3.377	3.378	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	86.2	40 - 110	5.656	5.659	-0.0030	+/-0.500	
Phenol-d6	100.0	21.7	0 - 110	4.511	4.513	-0.0020	+/-0.500	
Terphenyl-d14	50.00	99.8	50 - 135	12.571	12.572	-0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	96.9	40 - 125	9.807	9.804	0.0030	+/-0.500	
GW0825 (1210178-11) ug/L				Lab File ID: 1017811.D		Analyzed: 10/23/12 01:59		
2-Fluorobiphenyl	46.30	84.2	50 - 110	8.013	8.01	0.0030	+/-0.500	
2-Fluorophenol	92.59	21.4	20 - 110	3.376	3.378	-0.0020	+/-0.500	
Nitrobenzene-d5	46.30	87.9	40 - 110	5.657	5.659	-0.0020	+/-0.500	
Phenol-d6	92.59	15.0	0 - 110	4.51	4.513	-0.0030	+/-0.500	
Terphenyl-d14	46.30	96.5	50 - 135	12.57	12.572	-0.0020	+/-0.500	
2,4,6-Tribromophenol	92.59	68.1	40 - 125	9.809	9.804	0.0050	+/-0.500	
GW0826 (1210178-13) ug/L				Lab File ID: 1017813.D		Analyzed: 10/23/12 02:26		
2-Fluorobiphenyl	47.17	83.0	50 - 110	8.011	8.01	0.0010	+/-0.500	
2-Fluorophenol	94.34	24.4	20 - 110	3.376	3.378	-0.0020	+/-0.500	
Nitrobenzene-d5	47.17	86.1	40 - 110	5.654	5.659	-0.0050	+/-0.500	
Phenol-d6	94.34	16.1	0 - 110	4.511	4.513	-0.0020	+/-0.500	
Terphenyl-d14	47.17	102	50 - 135	12.57	12.572	-0.0020	+/-0.500	
2,4,6-Tribromophenol	94.34	70.6	40 - 125	9.801	9.804	-0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29718	Instrument:	MS-BNA1
		Calibration:	2272005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0827 (1210178-15) ug/L				Lab File ID: 1017815.D		Analyzed: 10/23/12 02:53		
2-Fluorobiphenyl	49.02	88.5	50 - 110	8.008	8.01	-0.0020	+/-0.500	
2-Fluorophenol	98.04	30.2	20 - 110	3.378	3.378	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	97.6	40 - 110	5.653	5.659	-0.0060	+/-0.500	
Phenol-d6	98.04	22.3	0 - 110	4.514	4.513	0.0010	+/-0.500	
Terphenyl-d14	49.02	94.5	50 - 135	12.57	12.572	-0.0020	+/-0.500	
2,4,6-Tribromophenol	98.04	74.1	40 - 125	9.807	9.804	0.0030	+/-0.500	
GW0855 (1210178-17) ug/L				Lab File ID: 1017817.D		Analyzed: 10/23/12 03:21		
2-Fluorobiphenyl	50.00	81.5	50 - 110	8.011	8.01	0.0010	+/-0.500	
2-Fluorophenol	100.0	40.5	20 - 110	3.377	3.378	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	85.7	40 - 110	5.655	5.659	-0.0040	+/-0.500	
Phenol-d6	100.0	22.7	0 - 110	4.511	4.513	-0.0020	+/-0.500	
Terphenyl-d14	50.00	90.7	50 - 135	12.572	12.572	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	93.7	40 - 125	9.8	9.804	-0.0040	+/-0.500	
GW0856 (1210178-19) ug/L				Lab File ID: 1017819.D		Analyzed: 10/23/12 03:48		
2-Fluorobiphenyl	55.56	85.1	50 - 110	8.012	8.01	0.0020	+/-0.500	
2-Fluorophenol	111.1	41.1	20 - 110	3.377	3.378	-0.0010	+/-0.500	
Nitrobenzene-d5	55.56	87.8	40 - 110	5.656	5.659	-0.0030	+/-0.500	
Phenol-d6	111.1	22.8	0 - 110	4.502	4.513	-0.0110	+/-0.500	
Terphenyl-d14	55.56	91.2	50 - 135	12.568	12.572	-0.0040	+/-0.500	
2,4,6-Tribromophenol	111.1	95.9	40 - 125	9.802	9.804	-0.0020	+/-0.500	
GW0857 (1210178-21) ug/L				Lab File ID: 1017821.D		Analyzed: 10/23/12 04:15		
2-Fluorobiphenyl	62.50	81.6	50 - 110	8.012	8.01	0.0020	+/-0.500	
2-Fluorophenol	125.0	39.6	20 - 110	3.377	3.378	-0.0010	+/-0.500	
Nitrobenzene-d5	62.50	83.3	40 - 110	5.656	5.659	-0.0030	+/-0.500	
Phenol-d6	125.0	22.3	0 - 110	4.502	4.513	-0.0110	+/-0.500	
Terphenyl-d14	62.50	92.0	50 - 135	12.576	12.572	0.0040	+/-0.500	
2,4,6-Tribromophenol	125.0	95.0	40 - 125	9.802	9.804	-0.0020	+/-0.500	
GW0861 (1210178-23) ug/L				Lab File ID: 1017823.D		Analyzed: 10/23/12 04:42		
2-Fluorobiphenyl	62.50	77.4	50 - 110	8.01	8.01	0.0000	+/-0.500	
2-Fluorophenol	125.0	37.7	20 - 110	3.376	3.378	-0.0020	+/-0.500	
Nitrobenzene-d5	62.50	80.1	40 - 110	5.654	5.659	-0.0050	+/-0.500	
Phenol-d6	125.0	21.6	0 - 110	4.51	4.513	-0.0030	+/-0.500	
Terphenyl-d14	62.50	87.0	50 - 135	12.575	12.572	0.0030	+/-0.500	
2,4,6-Tribromophenol	125.0	88.2	40 - 125	9.808	9.804	0.0040	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29718	Instrument:	MS-BNA1
		Calibration:	2272005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0862 (1210178-25) ug/L				Lab File ID: 1017825.D		Analyzed: 10/23/12 05:09		
2-Fluorobiphenyl	50.00	84.5	50 - 110	8.007	8.01	-0.0030	+/-0.500	
2-Fluorophenol	100.0	41.0	20 - 110	3.377	3.378	-0.0010	+/-0.500	
Nitrobenzene-d5	50.00	82.8	40 - 110	5.653	5.659	-0.0060	+/-0.500	
Phenol-d6	100.0	23.3	0 - 110	4.509	4.513	-0.0040	+/-0.500	
Terphenyl-d14	50.00	92.7	50 - 135	12.574	12.572	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	98.0	40 - 125	9.805	9.804	0.0010	+/-0.500	
GW0863 (1210178-27) ug/L				Lab File ID: 1017827.D		Analyzed: 10/23/12 05:36		
2-Fluorobiphenyl	62.50	74.6	50 - 110	8.008	8.01	-0.0020	+/-0.500	
2-Fluorophenol	125.0	37.2	20 - 110	3.376	3.378	-0.0020	+/-0.500	
Nitrobenzene-d5	62.50	76.9	40 - 110	5.654	5.659	-0.0050	+/-0.500	
Phenol-d6	125.0	21.3	0 - 110	4.509	4.513	-0.0040	+/-0.500	
Terphenyl-d14	62.50	98.5	50 - 135	12.575	12.572	0.0030	+/-0.500	
2,4,6-Tribromophenol	125.0	97.6	40 - 125	9.807	9.804	0.0030	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31016	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K31016-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 11/02/12 10:25		
2-Fluorobiphenyl	50.00	96.4	80 - 120	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	104	80 - 120	3.987	3.987	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	104	80 - 120	6.295	6.295	0.0000	+/-0.500	
Phenol-d6	100.0	104	80 - 120	5.136	5.136	0.0000	+/-0.500	
Terphenyl-d14	50.00	115	80 - 120	13.209	13.209	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	108	80 - 120	10.435	10.435	0.0000	+/-0.500	
Blank (2J22003-BLK1) ug/L				Lab File ID: J22003B1.D		Analyzed: 11/02/12 15:04		
2-Fluorobiphenyl	50.00	79.8	50 - 110	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	19.7	20 - 110	3.997	3.987	0.0100	+/-0.500	*
Nitrobenzene-d5	50.00	83.0	40 - 110	6.295	6.295	0.0000	+/-0.500	
Phenol-d6	100.0	14.9	0 - 110	5.136	5.136	0.0000	+/-0.500	
Terphenyl-d14	50.00	92.7	50 - 135	13.209	13.209	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	51.9	40 - 125	10.435	10.435	0.0000	+/-0.500	
LCS (2J22003-BS1) ug/L				Lab File ID: J22003L1.D		Analyzed: 11/02/12 15:31		
2-Fluorobiphenyl	50.00	88.0	50 - 110	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	36.9	20 - 110	3.997	3.987	0.0100	+/-0.500	
Nitrobenzene-d5	50.00	87.0	40 - 110	6.295	6.295	0.0000	+/-0.500	
Phenol-d6	100.0	25.1	0 - 110	5.136	5.136	0.0000	+/-0.500	
Terphenyl-d14	50.00	98.7	50 - 135	13.209	13.209	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	84.7	40 - 125	10.435	10.435	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31106	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K31106-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 11/03/12 15:45		
2-Fluorobiphenyl	50.00	97.7	80 - 120	8.615	8.615	0.0000	+/-0.500	
2-Fluorophenol	100.0	106	80 - 120	3.989	3.989	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	99.4	80 - 120	6.297	6.297	0.0000	+/-0.500	
Phenol-d6	100.0	106	80 - 120	5.138	5.138	0.0000	+/-0.500	
Terphenyl-d14	50.00	118	80 - 120	13.211	13.211	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	110	80 - 120	10.437	10.437	0.0000	+/-0.500	
Blank (2J23002-BLK1) ug/L				Lab File ID: J23002B1.D		Analyzed: 11/03/12 16:41		
2-Fluorobiphenyl	50.00	92.0	50 - 110	8.616	8.615	0.0010	+/-0.500	
2-Fluorophenol	100.0	42.5	20 - 110	3.99	3.989	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	89.8	40 - 110	6.298	6.297	0.0010	+/-0.500	
Phenol-d6	100.0	24.4	0 - 110	5.129	5.138	-0.0090	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	13.212	13.211	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	100	40 - 125	10.428	10.437	-0.0090	+/-0.500	
LCS (2J23002-BS1) ug/L				Lab File ID: J23002L1.D		Analyzed: 11/03/12 17:08		
2-Fluorobiphenyl	50.00	78.0	50 - 110	8.616	8.615	0.0010	+/-0.500	
2-Fluorophenol	100.0	39.6	20 - 110	3.989	3.989	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	75.6	40 - 110	6.298	6.297	0.0010	+/-0.500	
Phenol-d6	100.0	23.2	0 - 110	5.138	5.138	0.0000	+/-0.500	
Terphenyl-d14	50.00	94.1	50 - 135	13.211	13.211	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	91.3	40 - 125	10.438	10.437	0.0010	+/-0.500	
GW0754 (1210178-01) ug/L				Lab File ID: 1017801.D		Analyzed: 11/04/12 00:30		
2-Fluorobiphenyl	55.56	69.5	50 - 110	8.614	8.615	-0.0010	+/-0.500	
2-Fluorophenol	111.1	33.9	20 - 110	3.987	3.989	-0.0020	+/-0.500	
Nitrobenzene-d5	55.56	69.3	40 - 110	6.296	6.297	-0.0010	+/-0.500	
Phenol-d6	111.1	20.7	0 - 110	5.136	5.138	-0.0020	+/-0.500	
Terphenyl-d14	55.56	97.5	50 - 135	13.209	13.211	-0.0020	+/-0.500	
2,4,6-Tribromophenol	111.1	85.7	40 - 125	10.425	10.437	-0.0120	+/-0.500	
GW0808 (1210178-03) ug/L				Lab File ID: 1017803.D		Analyzed: 11/04/12 00:58		
2-Fluorobiphenyl	49.02	76.0	50 - 110	8.606	8.615	-0.0090	+/-0.500	
2-Fluorophenol	98.04	17.0	20 - 110	3.99	3.989	0.0010	+/-0.500	*
Nitrobenzene-d5	49.02	75.2	40 - 110	6.298	6.297	0.0010	+/-0.500	
Phenol-d6	98.04	14.8	0 - 110	5.129	5.138	-0.0090	+/-0.500	
Terphenyl-d14	49.02	93.1	50 - 135	13.212	13.211	0.0010	+/-0.500	
2,4,6-Tribromophenol	98.04	45.5	40 - 125	10.428	10.437	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31106	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0809 (1210178-05) ug/L				Lab File ID: 1017805.D		Analyzed: 11/04/12 01:25		
2-Fluorobiphenyl	48.08	77.5	50 - 110	8.614	8.615	-0.0010	+/-0.500	
2-Fluorophenol	96.15	13.0	20 - 110	3.988	3.989	-0.0010	+/-0.500	*
Nitrobenzene-d5	48.08	75.8	40 - 110	6.296	6.297	-0.0010	+/-0.500	
Phenol-d6	96.15	11.3	0 - 110	5.137	5.138	-0.0010	+/-0.500	
Terphenyl-d14	48.08	96.8	50 - 135	13.21	13.211	-0.0010	+/-0.500	
2,4,6-Tribromophenol	96.15	36.4	40 - 125	10.426	10.437	-0.0110	+/-0.500	*
GW0810 (1210178-07) ug/L				Lab File ID: 1017807.D		Analyzed: 11/04/12 01:52		
2-Fluorobiphenyl	46.30	80.0	50 - 110	8.614	8.615	-0.0010	+/-0.500	
2-Fluorophenol	92.59	26.6	20 - 110	3.988	3.989	-0.0010	+/-0.500	
Nitrobenzene-d5	46.30	79.8	40 - 110	6.296	6.297	-0.0010	+/-0.500	
Phenol-d6	92.59	19.1	0 - 110	5.136	5.138	-0.0020	+/-0.500	
Terphenyl-d14	46.30	96.4	50 - 135	13.209	13.211	-0.0020	+/-0.500	
2,4,6-Tribromophenol	92.59	69.8	40 - 125	10.425	10.437	-0.0120	+/-0.500	
GW0811 (1210178-09) ug/L				Lab File ID: 1017809.D		Analyzed: 11/04/12 02:20		
2-Fluorobiphenyl	48.08	77.5	50 - 110	8.614	8.615	-0.0010	+/-0.500	
2-Fluorophenol	96.15	24.1	20 - 110	3.988	3.989	-0.0010	+/-0.500	
Nitrobenzene-d5	48.08	75.8	40 - 110	6.296	6.297	-0.0010	+/-0.500	
Phenol-d6	96.15	17.7	0 - 110	5.126	5.138	-0.0120	+/-0.500	
Terphenyl-d14	48.08	99.0	50 - 135	13.21	13.211	-0.0010	+/-0.500	
2,4,6-Tribromophenol	96.15	66.3	40 - 125	10.426	10.437	-0.0110	+/-0.500	
Matrix Spike (2J23002-MS1) ug/L				Lab File ID: 1017801M.D		Analyzed: 11/04/12 02:47		
2-Fluorobiphenyl	50.00	87.2	50 - 110	8.614	8.615	-0.0010	+/-0.500	
2-Fluorophenol	100.0	20.3	20 - 110	3.987	3.989	-0.0020	+/-0.500	
Nitrobenzene-d5	50.00	88.3	40 - 110	6.295	6.297	-0.0020	+/-0.500	
Phenol-d6	100.0	18.5	0 - 110	5.136	5.138	-0.0020	+/-0.500	
Terphenyl-d14	50.00	99.4	50 - 135	13.209	13.211	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	46.7	40 - 125	10.435	10.437	-0.0020	+/-0.500	
Matrix Spike Dup (2J23002-MSD1) ug/L				Lab File ID: 1017801S.D		Analyzed: 11/04/12 03:15		
2-Fluorobiphenyl	50.00	88.1	50 - 110	8.617	8.615	0.0020	+/-0.500	
2-Fluorophenol	100.0	19.6	20 - 110	3.99	3.989	0.0010	+/-0.500	*
Nitrobenzene-d5	50.00	87.0	40 - 110	6.298	6.297	0.0010	+/-0.500	
Phenol-d6	100.0	18.6	0 - 110	5.129	5.138	-0.0090	+/-0.500	
Terphenyl-d14	50.00	99.4	50 - 135	13.212	13.211	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	47.8	40 - 125	10.428	10.437	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31110	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K31110-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 11/05/12 15:00		
2-Fluorobiphenyl	50.00	97.9	80 - 120	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	110	80 - 120	3.986	3.986	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	102	80 - 120	6.294	6.294	0.0000	+/-0.500	
Phenol-d6	100.0	110	80 - 120	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	114	80 - 120	13.208	13.208	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	105	80 - 120	10.434	10.434	0.0000	+/-0.500	
Blank (2J25012-BLK1) ug/L				Lab File ID: J25012B1.D		Analyzed: 11/05/12 15:59		
2-Fluorobiphenyl	50.00	90.9	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	100.0	22.6	20 - 110	3.988	3.986	0.0020	+/-0.500	
Nitrobenzene-d5	50.00	93.6	40 - 110	6.296	6.294	0.0020	+/-0.500	
Phenol-d6	100.0	20.6	0 - 110	5.126	5.135	-0.0090	+/-0.500	
Terphenyl-d14	50.00	107	50 - 135	13.21	13.208	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	64.5	40 - 125	10.425	10.434	-0.0090	+/-0.500	
LCS (2J25012-BS1) ug/L				Lab File ID: J25012L1.D		Analyzed: 11/05/12 16:26		
2-Fluorobiphenyl	50.00	94.8	50 - 110	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	19.4	20 - 110	3.987	3.986	0.0010	+/-0.500	*
Nitrobenzene-d5	50.00	96.2	40 - 110	6.295	6.294	0.0010	+/-0.500	
Phenol-d6	100.0	17.1	0 - 110	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	50.0	40 - 125	10.435	10.434	0.0010	+/-0.500	
LCS Dup (2J25012-BSD1) ug/L				Lab File ID: J25012L2.D		Analyzed: 11/05/12 16:53		
2-Fluorobiphenyl	50.00	86.9	50 - 110	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	29.8	20 - 110	3.986	3.986	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	87.9	40 - 110	6.294	6.294	0.0000	+/-0.500	
Phenol-d6	100.0	21.2	0 - 110	5.135	5.135	0.0000	+/-0.500	
Terphenyl-d14	50.00	97.2	50 - 135	13.208	13.208	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	66.3	40 - 125	10.434	10.434	0.0000	+/-0.500	
GW0774 (1210200-01) ug/L				Lab File ID: 1020001.D		Analyzed: 11/05/12 22:26		
2-Fluorobiphenyl	46.30	88.9	50 - 110	8.616	8.613	0.0030	+/-0.500	
2-Fluorophenol	92.59	16.1	20 - 110	3.989	3.986	0.0030	+/-0.500	*
Nitrobenzene-d5	46.30	89.4	40 - 110	6.297	6.294	0.0030	+/-0.500	
Phenol-d6	92.59	15.5	0 - 110	5.128	5.135	-0.0070	+/-0.500	
Terphenyl-d14	46.30	105	50 - 135	13.211	13.208	0.0030	+/-0.500	
2,4,6-Tribromophenol	92.59	45.2	40 - 125	10.427	10.434	-0.0070	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31110	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0789 (1210200-03) ug/L				Lab File ID: 1020003.D		Analyzed: 11/05/12 22:53		
2-Fluorobiphenyl	50.00	86.8	50 - 110	8.607	8.613	-0.0060	+/-0.500	
2-Fluorophenol	100.0	33.3	20 - 110	3.99	3.986	0.0040	+/-0.500	
Nitrobenzene-d5	50.00	88.2	40 - 110	6.298	6.294	0.0040	+/-0.500	
Phenol-d6	100.0	26.1	0 - 110	5.129	5.135	-0.0060	+/-0.500	
Terphenyl-d14	50.00	98.7	50 - 135	13.202	13.208	-0.0060	+/-0.500	
2,4,6-Tribromophenol	100.0	74.6	40 - 125	10.428	10.434	-0.0060	+/-0.500	
GW0790 (1210200-05) ug/L				Lab File ID: 1020005.D		Analyzed: 11/05/12 23:21		
2-Fluorobiphenyl	55.56	78.2	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	111.1	41.8	20 - 110	3.987	3.986	0.0010	+/-0.500	
Nitrobenzene-d5	55.56	77.6	40 - 110	6.295	6.294	0.0010	+/-0.500	
Phenol-d6	111.1	24.5	0 - 110	5.136	5.135	0.0010	+/-0.500	
Terphenyl-d14	55.56	99.9	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	111.1	94.2	40 - 125	10.425	10.434	-0.0090	+/-0.500	
GW0791 (1210200-07) ug/L				Lab File ID: 1020007.D		Analyzed: 11/05/12 23:49		
2-Fluorobiphenyl	50.00	86.5	50 - 110	8.607	8.613	-0.0060	+/-0.500	
2-Fluorophenol	100.0	42.3	20 - 110	3.991	3.986	0.0050	+/-0.500	
Nitrobenzene-d5	50.00	82.9	40 - 110	6.299	6.294	0.0050	+/-0.500	
Phenol-d6	100.0	25.7	0 - 110	5.129	5.135	-0.0060	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	13.213	13.208	0.0050	+/-0.500	
2,4,6-Tribromophenol	100.0	97.0	40 - 125	10.429	10.434	-0.0050	+/-0.500	
GW0854 (1210200-15) ug/L				Lab File ID: 1020015.D		Analyzed: 11/06/12 00:16		
2-Fluorobiphenyl	50.00	84.4	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	100.0	14.7	20 - 110	3.987	3.986	0.0010	+/-0.500	*
Nitrobenzene-d5	50.00	81.7	40 - 110	6.295	6.294	0.0010	+/-0.500	
Phenol-d6	100.0	13.8	0 - 110	5.136	5.135	0.0010	+/-0.500	
Terphenyl-d14	50.00	104	50 - 135	13.209	13.208	0.0010	+/-0.500	
2,4,6-Tribromophenol	100.0	43.0	40 - 125	10.425	10.434	-0.0090	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31204	Instrument:	MS-BNA1
		Calibration:	2272005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K31204-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 11/05/12 15:09		
2-Fluorobiphenyl	50.00	103	80 - 120	8.008	8.008	0.0000	+/-0.500	
2-Fluorophenol	100.0	105	80 - 120	3.366	3.366	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	109	80 - 120	5.645	5.645	0.0000	+/-0.500	
Phenol-d6	100.0	106	80 - 120	4.499	4.499	0.0000	+/-0.500	
Terphenyl-d14	50.00	121	80 - 120	12.563	12.563	0.0000	+/-0.500	*
2,4,6-Tribromophenol	100.0	113	80 - 120	9.801	9.801	0.0000	+/-0.500	
Blank (2J24003-BLK1) ug/L				Lab File ID: J24003B1.D		Analyzed: 11/05/12 20:44		
2-Fluorobiphenyl	50.00	92.7	50 - 110	8.004	8.008	-0.0040	+/-0.500	
2-Fluorophenol	100.0	33.9	20 - 110	3.367	3.366	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	100	40 - 110	5.645	5.645	0.0000	+/-0.500	
Phenol-d6	100.0	20.3	0 - 110	4.501	4.499	0.0020	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	12.565	12.563	0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	106	40 - 125	9.802	9.801	0.0010	+/-0.500	
LCS (2J24003-BS1) ug/L				Lab File ID: J24003L1.D		Analyzed: 11/05/12 21:11		
2-Fluorobiphenyl	50.00	96.3	50 - 110	8.007	8.008	-0.0010	+/-0.500	
2-Fluorophenol	100.0	47.0	20 - 110	3.366	3.366	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	102	40 - 110	5.645	5.645	0.0000	+/-0.500	
Phenol-d6	100.0	26.5	0 - 110	4.501	4.499	0.0020	+/-0.500	
Terphenyl-d14	50.00	106	50 - 135	12.567	12.563	0.0040	+/-0.500	
2,4,6-Tribromophenol	100.0	111	40 - 125	9.801	9.801	0.0000	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31208	Instrument:	MS-BNA1
		Calibration:	2272005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K31208-CCV1) ug/mL				Lab File ID: SEQ-CCV3.D		Analyzed: 11/06/12 02:59		
2-Fluorobiphenyl	50.00	105	80 - 120	8.004	8.004	0.0000	+/-0.500	
2-Fluorophenol	100.0	106	80 - 120	3.367	3.367	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	107	80 - 120	5.644	5.644	0.0000	+/-0.500	
Phenol-d6	100.0	105	80 - 120	4.5	4.5	0.0000	+/-0.500	
Terphenyl-d14	50.00	120	80 - 120	12.567	12.567	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	109	80 - 120	9.805	9.805	0.0000	+/-0.500	
GW0799 (1210200-09) ug/L				Lab File ID: 1020009.D		Analyzed: 11/06/12 05:14		
2-Fluorobiphenyl	50.00	94.5	50 - 110	8.001	8.004	-0.0030	+/-0.500	
2-Fluorophenol	100.0	26.8	20 - 110	3.367	3.367	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	98.5	40 - 110	5.644	5.644	0.0000	+/-0.500	
Phenol-d6	100.0	21.0	0 - 110	4.5	4.5	0.0000	+/-0.500	
Terphenyl-d14	50.00	105	50 - 135	12.565	12.567	-0.0020	+/-0.500	
2,4,6-Tribromophenol	100.0	58.9	40 - 125	9.802	9.805	-0.0030	+/-0.500	
GW0800 (1210200-11) ug/L				Lab File ID: 1020011.D		Analyzed: 11/06/12 05:41		
2-Fluorobiphenyl	55.56	88.9	50 - 110	8.008	8.004	0.0040	+/-0.500	
2-Fluorophenol	111.1	26.2	20 - 110	3.367	3.367	0.0000	+/-0.500	
Nitrobenzene-d5	55.56	91.9	40 - 110	5.644	5.644	0.0000	+/-0.500	
Phenol-d6	111.1	19.5	0 - 110	4.499	4.5	-0.0010	+/-0.500	
Terphenyl-d14	55.56	101	50 - 135	12.558	12.567	-0.0090	+/-0.500	
2,4,6-Tribromophenol	111.1	63.8	40 - 125	9.796	9.805	-0.0090	+/-0.500	
GW0801 (1210200-13) ug/L				Lab File ID: 1020013.D		Analyzed: 11/06/12 06:09		
2-Fluorobiphenyl	50.00	87.8	50 - 110	8.003	8.004	-0.0010	+/-0.500	
2-Fluorophenol	100.0	37.3	20 - 110	3.368	3.367	0.0010	+/-0.500	
Nitrobenzene-d5	50.00	90.2	40 - 110	5.646	5.644	0.0020	+/-0.500	
Phenol-d6	100.0	23.1	0 - 110	4.502	4.5	0.0020	+/-0.500	
Terphenyl-d14	50.00	103	50 - 135	12.558	12.567	-0.0090	+/-0.500	
2,4,6-Tribromophenol	100.0	91.9	40 - 125	9.796	9.805	-0.0090	+/-0.500	
GW0864 (1210200-17) ug/L				Lab File ID: 1020017.D		Analyzed: 11/06/12 06:36		
2-Fluorobiphenyl	47.17	83.0	50 - 110	8.005	8.004	0.0010	+/-0.500	
2-Fluorophenol	94.34	31.6	20 - 110	3.365	3.367	-0.0020	+/-0.500	
Nitrobenzene-d5	47.17	88.4	40 - 110	5.651	5.644	0.0070	+/-0.500	
Phenol-d6	94.34	19.0	0 - 110	4.499	4.5	-0.0010	+/-0.500	
Terphenyl-d14	47.17	101	50 - 135	12.561	12.567	-0.0060	+/-0.500	
2,4,6-Tribromophenol	94.34	91.8	40 - 125	9.797	9.805	-0.0080	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31208	Instrument:	MS-BNA1
		Calibration:	2272005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0865 (1210200-19) ug/L				Lab File ID: 1020019.D		Analyzed: 11/06/12 07:03		
2-Fluorobiphenyl	47.17	80.3	50 - 110	7.999	8.004	-0.0050	+/-0.500	
2-Fluorophenol	94.34	35.1	20 - 110	3.366	3.367	-0.0010	+/-0.500	
Nitrobenzene-d5	47.17	87.1	40 - 110	5.644	5.644	0.0000	+/-0.500	
Phenol-d6	94.34	19.4	0 - 110	4.5	4.5	0.0000	+/-0.500	
Terphenyl-d14	47.17	96.4	50 - 135	12.564	12.567	-0.0030	+/-0.500	
2,4,6-Tribromophenol	94.34	98.0	40 - 125	9.801	9.805	-0.0040	+/-0.500	
GW0866 (1210200-21) ug/L				Lab File ID: 1020021.D		Analyzed: 11/06/12 07:30		
2-Fluorobiphenyl	49.02	82.8	50 - 110	8.002	8.004	-0.0020	+/-0.500	
2-Fluorophenol	98.04	34.6	20 - 110	3.367	3.367	0.0000	+/-0.500	
Nitrobenzene-d5	49.02	78.8	40 - 110	5.646	5.644	0.0020	+/-0.500	
Phenol-d6	98.04	20.0	0 - 110	4.502	4.5	0.0020	+/-0.500	
Terphenyl-d14	49.02	94.9	50 - 135	12.565	12.567	-0.0020	+/-0.500	
2,4,6-Tribromophenol	98.04	95.1	40 - 125	9.792	9.805	-0.0130	+/-0.500	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31410	Instrument:	MS-BNA3
		Calibration:	2261001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K31410-CCV1) ug/mL				Lab File ID: SEQ-CCV1.D		Analyzed: 11/06/12 14:58		
2-Fluorobiphenyl	50.00	97.2	80 - 120	8.613	8.613	0.0000	+/-0.500	
2-Fluorophenol	100.0	107	80 - 120	3.987	3.987	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	102	80 - 120	6.295	6.295	0.0000	+/-0.500	
Phenol-d6	100.0	107	80 - 120	5.136	5.136	0.0000	+/-0.500	
Terphenyl-d14	50.00	117	80 - 120	13.209	13.209	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	110	80 - 120	10.435	10.435	0.0000	+/-0.500	
GW0867 (1210200-23) ug/L				Lab File ID: 1020023.D		Analyzed: 11/06/12 18:38		
2-Fluorobiphenyl	50.00	71.0	50 - 110	8.614	8.613	0.0010	+/-0.500	
2-Fluorophenol	100.0	21.7	20 - 110	3.987	3.987	0.0000	+/-0.500	
Nitrobenzene-d5	50.00	74.1	40 - 110	6.295	6.295	0.0000	+/-0.500	
Phenol-d6	100.0	17.9	0 - 110	5.126	5.136	-0.0100	+/-0.500	
Terphenyl-d14	50.00	95.4	50 - 135	13.209	13.209	0.0000	+/-0.500	
2,4,6-Tribromophenol	100.0	50.5	40 - 125	10.425	10.435	-0.0100	+/-0.500	

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19004	Laboratory ID:	2J19004-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	35.72	28.96	81.1	45 - 110
Acenaphthylene	35.72	29.98	83.9	50 - 105
Acetophenone	35.72	33.76	94.5	45 - 130
Anthracene	35.72	33.51	93.8	55 - 110
Atrazine	35.72	35.58	99.6	40 - 150
Benzaldehyde	35.72	33.26	93.1	40 - 125
Benzidine	35.72	100 U	0	0 - 110
Benzo(a)anthracene	35.72	36.42	102	55 - 110
Benzo(a)pyrene	35.72	34.77	97.4	55 - 110
Benzo(b)fluoranthene	35.72	33.79	94.6	45 - 120
Benzo(g,h,i)perylene	35.72	35.50	99.4	40 - 125
Benzoic acid	71.45	100 U	0	0 - 125
Benzo(k)fluoranthene	35.72	36.64	103	45 - 125
1,1-Biphenyl	35.72	32.72	91.6	45 - 135
4-Bromophenyl-phenylether	35.72	37.69	106	50 - 115
Butylbenzylphthalate	35.72	40.97	115	45 - 115
Caprolactam	35.72	6.026	16.9	5 - 110
Carbazole	35.72	37.17	104	50 - 115
4-Chloro-3-methylphenol	71.45	62.08	86.9	45 - 110
4-Chloroaniline	35.72	29.29	82.0	15 - 110
Bis(2-chloroethoxy)methane	35.72	29.95	83.9	45 - 105
Bis(2-chloroethyl)ether	35.72	31.30	87.6	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	29.02	81.3	25 - 130
2-Chloronaphthalene	35.72	29.30	82.1	50 - 105
2-Chlorophenol	71.45	52.37	73.3	35 - 105
4-Chlorophenyl phenyl ether	35.72	32.87	92.0	50 - 110
Chrysene	35.72	37.78	106	55 - 110
Dibenz(a,h)anthracene	35.72	36.04	101	40 - 125
Dibenzofuran	35.72	32.52	91.1	55 - 105
Di-n-butylphthalate	35.72	40.28	113	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19004	Laboratory ID:	2J19004-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	35.72	35.08	98.2	20 - 110
2,4-Dichlorophenol	71.45	55.37	77.5	50 - 105
Diethylphthalate	35.72	36.94	103	40 - 120
2,4-Dimethylphenol	71.45	59.12	82.7	30 - 110
Dimethyl phthalate	35.72	35.12	98.3	25 - 125
4,6-Dinitro-2-methylphenol	71.45	42.95	60.1	40 - 130
2,4-Dinitrophenol	71.45	31.28	43.8	15 - 140
2,4-Dinitrotoluene	35.72	35.11	98.3	50 - 120
2,6-Dinitrotoluene	35.72	34.41	96.3	50 - 115
Di-n-octylphthalate	35.72	37.80	106	35 - 135
1,2-Diphenylhydrazine	35.72	36.07	101	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	39.41	110	40 - 125
Fluoranthene	35.72	37.18	104	55 - 115
Fluorene	35.72	32.63	91.4	50 - 110
Hexachlorobenzene	35.72	35.59	99.7	50 - 110
Hexachlorobutadiene	35.72	29.25	81.9	25 - 105
Hexachlorocyclopentadiene	35.72	28.82	80.7	0 - 120
Hexachloroethane	35.72	27.29	76.4	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	35.66	99.9	45 - 125
Isophorone	35.72	30.74	86.1	50 - 110
1-Methylnaphthalene	35.72	29.19	81.7	35 - 115
2-Methylnaphthalene	35.72	27.80	77.8	45 - 105
2-Methylphenol	71.45	43.89	61.4	40 - 110
3-Methylphenol/4-Methylphenol	71.45	40.41	56.6	30 - 110
Naphthalene	35.72	27.04	75.7	40 - 100
4-Nitroaniline	35.72	37.04	104	35 - 120
3-Nitroaniline	35.72	30.30	84.8	20 - 125
2-Nitroaniline	35.72	39.28	110	50 - 115
Nitrobenzene	35.72	30.23	84.7	45 - 110
4-Nitrophenol	71.45	11.82	16.5	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19004	Laboratory ID:	2J19004-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	71.45	56.62	79.2	40 - 115
N-Nitrosodiphenylamine	35.72	28.58	80.0	50 - 110
N-Nitroso-di-n-propylamine	35.72	36.01	101	35 - 130
Pentachlorophenol	71.45	42.79	59.9	40 - 115
Phenanthrene	35.72	33.94	95.0	50 - 115
Phenol	71.45	16.70	23.4	0 - 115
Pyrene	35.72	35.31	98.9	50 - 130
2,4,6-Trichlorophenol	71.45	52.57	73.6	50 - 115
2,4,5-Trichlorophenol	71.45	62.81	87.9	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22003	Laboratory ID:	2J22003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	35.72	29.32	82.1	45 - 110
Acenaphthylene	35.72	32.13	90.0	50 - 105
Acetophenone	35.72	31.33	87.7	45 - 130
Anthracene	35.72	35.31	98.9	55 - 110
Atrazine	35.72	33.60	94.1	40 - 150
Benzaldehyde	35.72	34.10	95.5	40 - 125
Benzidine	35.72	100 U	0	0 - 110
Benzo(a)anthracene	35.72	35.50	99.4	55 - 110
Benzo(a)pyrene	35.72	35.61	99.7	55 - 110
Benzo(b)fluoranthene	35.72	36.47	102	45 - 120
Benzo(g,h,i)perylene	35.72	36.26	102	40 - 125
Benzoic acid	71.45	100 U	0	0 - 125
Benzo(k)fluoranthene	35.72	31.59	88.4	45 - 125
1,1-Biphenyl	35.72	34.53	96.7	45 - 135
4-Bromophenyl-phenylether	35.72	35.25	98.7	50 - 115
Butylbenzylphthalate	35.72	39.73	111	45 - 115
Caprolactam	35.72	7.569	21.2	5 - 110
Carbazole	35.72	37.28	104	50 - 115
4-Chloro-3-methylphenol	71.45	57.64	80.7	45 - 110
4-Chloroaniline	35.72	29.00	81.2	15 - 110
Bis(2-chloroethoxy)methane	35.72	34.58	96.8	45 - 105
Bis(2-chloroethyl)ether	35.72	31.88	89.3	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	30.77	86.2	25 - 130
2-Chloronaphthalene	35.72	29.31	82.1	50 - 105
2-Chlorophenol	71.45	49.22	68.9	35 - 105
4-Chlorophenyl phenyl ether	35.72	31.61	88.5	50 - 110
Chrysene	35.72	35.20	98.6	55 - 110
Dibenz(a,h)anthracene	35.72	36.62	103	40 - 125
Dibenzofuran	35.72	32.46	90.9	55 - 105
Di-n-butylphthalate	35.72	37.46	105	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22003	Laboratory ID:	2J22003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	35.72	36.28	102	20 - 110
2,4-Dichlorophenol	71.45	55.74	78.0	50 - 105
Diethylphthalate	35.72	32.31	90.5	40 - 120
2,4-Dimethylphenol	71.45	57.65	80.7	30 - 110
Dimethyl phthalate	35.72	34.06	95.4	25 - 125
4,6-Dinitro-2-methylphenol	71.45	55.74	78.0	40 - 130
2,4-Dinitrophenol	71.45	49.04	68.6	15 - 140
2,4-Dinitrotoluene	35.72	34.13	95.6	50 - 120
2,6-Dinitrotoluene	35.72	34.95	97.9	50 - 115
Di-n-octylphthalate	35.72	41.22	115	35 - 135
1,2-Diphenylhydrazine	35.72	34.24	95.9	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	39.67	111	40 - 125
Fluoranthene	35.72	35.90	101	55 - 115
Fluorene	35.72	31.77	88.9	50 - 110
Hexachlorobenzene	35.72	34.44	96.4	50 - 110
Hexachlorobutadiene	35.72	26.51	74.2	25 - 105
Hexachlorocyclopentadiene	35.72	1.761	4.93	0 - 120
Hexachloroethane	35.72	17.38	48.7	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	35.85	100	45 - 125
Isophorone	35.72	32.05	89.7	50 - 110
1-Methylnaphthalene	35.72	28.08	78.6	35 - 115
2-Methylnaphthalene	35.72	28.05	78.5	45 - 105
2-Methylphenol	71.45	46.56	65.2	40 - 110
3-Methylphenol/4-Methylphenol	71.45	41.08	57.5	30 - 110
Naphthalene	35.72	29.40	82.3	40 - 100
4-Nitroaniline	35.72	36.04	101	35 - 120
3-Nitroaniline	35.72	33.08	92.6	20 - 125
2-Nitroaniline	35.72	35.13	98.4	50 - 115
Nitrobenzene	35.72	30.62	85.7	45 - 110
4-Nitrophenol	71.45	14.86	20.8	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22003	Laboratory ID:	2J22003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	71.45	62.65	87.7	40 - 115
N-Nitrosodiphenylamine	35.72	30.77	86.2	50 - 110
N-Nitroso-di-n-propylamine	35.72	31.11	87.1	35 - 130
Pentachlorophenol	71.45	54.59	76.4	40 - 115
Phenanthrene	35.72	34.92	97.8	50 - 115
Phenol	71.45	18.01	25.2	0 - 115
Pyrene	35.72	36.88	103	50 - 130
2,4,6-Trichlorophenol	71.45	48.99	68.6	50 - 115
2,4,5-Trichlorophenol	71.45	57.61	80.6	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23002	Laboratory ID:	2J23002-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	35.72	27.93	78.2	45 - 110
Acenaphthylene	35.72	30.47	85.3	50 - 105
Acetophenone	35.72	30.12	84.3	45 - 130
Anthracene	35.72	33.82	94.7	55 - 110
Atrazine	35.72	33.50	93.8	40 - 150
Benzaldehyde	35.72	32.14	90.0	40 - 125
Benzidine	35.72	100 U	0	0 - 110
Benzo(a)anthracene	35.72	34.32	96.1	55 - 110
Benzo(a)pyrene	35.72	33.48	93.7	55 - 110
Benzo(b)fluoranthene	35.72	38.14	107	45 - 120
Benzo(g,h,i)perylene	35.72	34.02	95.3	40 - 125
Benzoic acid	71.45	100 U	0	0 - 125
Benzo(k)fluoranthene	35.72	28.18	78.9	45 - 125
1,1-Biphenyl	35.72	31.41	87.9	45 - 135
4-Bromophenyl-phenylether	35.72	32.43	90.8	50 - 115
Butylbenzylphthalate	35.72	37.94	106	45 - 115
Caprolactam	35.72	7.465	20.9	5 - 110
Carbazole	35.72	35.74	100	50 - 115
4-Chloro-3-methylphenol	71.45	54.81	76.7	45 - 110
4-Chloroaniline	35.72	28.47	79.7	15 - 110
Bis(2-chloroethoxy)methane	35.72	29.42	82.4	45 - 105
Bis(2-chloroethyl)ether	35.72	29.46	82.5	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	28.43	79.6	25 - 130
2-Chloronaphthalene	35.72	27.23	76.2	50 - 105
2-Chlorophenol	71.45	49.75	69.6	35 - 105
4-Chlorophenyl phenyl ether	35.72	30.07	84.2	50 - 110
Chrysene	35.72	33.39	93.5	55 - 110
Dibenz(a,h)anthracene	35.72	34.69	97.1	40 - 125
Dibenzofuran	35.72	30.97	86.7	55 - 105
Di-n-butylphthalate	35.72	36.50	102	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23002	Laboratory ID:	2J23002-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	35.72	34.42	96.4	20 - 110
2,4-Dichlorophenol	71.45	55.12	77.1	50 - 105
Diethylphthalate	35.72	30.84	86.3	40 - 120
2,4-Dimethylphenol	71.45	50.30	70.4	30 - 110
Dimethyl phthalate	35.72	32.17	90.1	25 - 125
4,6-Dinitro-2-methylphenol	71.45	74.68	105	40 - 130
2,4-Dinitrophenol	71.45	69.05	96.6	15 - 140
2,4-Dinitrotoluene	35.72	33.95	95.1	50 - 120
2,6-Dinitrotoluene	35.72	32.91	92.1	50 - 115
Di-n-octylphthalate	35.72	36.25	101	35 - 135
1,2-Diphenylhydrazine	35.72	31.74	88.9	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	37.32	104	40 - 125
Fluoranthene	35.72	35.20	98.6	55 - 115
Fluorene	35.72	29.98	83.9	50 - 110
Hexachlorobenzene	35.72	32.21	90.2	50 - 110
Hexachlorobutadiene	35.72	23.89	66.9	25 - 105
Hexachlorocyclopentadiene	35.72	24.24	67.9	0 - 120
Hexachloroethane	35.72	22.88	64.1	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	32.63	91.4	45 - 125
Isophorone	35.72	28.59	80.0	50 - 110
1-Methylnaphthalene	35.72	26.20	73.4	35 - 115
2-Methylnaphthalene	35.72	26.29	73.6	45 - 105
2-Methylphenol	71.45	42.07	58.9	40 - 110
3-Methylphenol/4-Methylphenol	71.45	37.86	53.0	30 - 110
Naphthalene	35.72	26.85	75.2	40 - 100
4-Nitroaniline	35.72	35.46	99.3	35 - 120
3-Nitroaniline	35.72	32.05	89.7	20 - 125
2-Nitroaniline	35.72	32.95	92.3	50 - 115
Nitrobenzene	35.72	26.58	74.4	45 - 110
4-Nitrophenol	71.45	18.60	26.0	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23002	Laboratory ID:	2J23002-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	71.45	61.92	86.7	40 - 115
N-Nitrosodiphenylamine	35.72	28.91	80.9	50 - 110
N-Nitroso-di-n-propylamine	35.72	29.13	81.6	35 - 130
Pentachlorophenol	71.45	67.32	94.2	40 - 115
Phenanthrene	35.72	33.56	94.0	50 - 115
Phenol	71.45	17.03	23.8	0 - 115
Pyrene	35.72	34.70	97.2	50 - 130
2,4,6-Trichlorophenol	71.45	57.87	81.0	50 - 115
2,4,5-Trichlorophenol	71.45	61.35	85.9	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24003	Laboratory ID:	2J24003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	35.72	34.04	95.3	45 - 110
Acenaphthylene	35.72	33.57	94.0	50 - 105
Acetophenone	35.72	40.36	113	45 - 130
Anthracene	35.72	36.88	103	55 - 110
Atrazine	35.72	39.72	111	40 - 150
Benzaldehyde	35.72	38.73	108	40 - 125
Benzidine	35.72	100 U	0	0 - 110
Benzo(a)anthracene	35.72	37.56	105	55 - 110
Benzo(a)pyrene	35.72	35.48	99.3	55 - 110
Benzo(b)fluoranthene	35.72	34.00	95.2	45 - 120
Benzo(g,h,i)perylene	35.72	35.87	100	40 - 125
Benzoic acid	71.45	100 U	0	0 - 125
Benzo(k)fluoranthene	35.72	38.74	108	45 - 125
1,1-Biphenyl	35.72	35.88	100	45 - 135
4-Bromophenyl-phenylether	**35.72**	**41.70**	**117**	**50 - 115**
Butylbenzylphthalate	**35.72**	**43.68**	**122**	**45 - 115**
Caprolactam	35.72	7.843	22.0	5 - 110
Carbazole	35.72	39.69	111	50 - 115
4-Chloro-3-methylphenol	71.45	72.28	101	45 - 110
4-Chloroaniline	35.72	33.61	94.1	15 - 110
Bis(2-chloroethoxy)methane	35.72	37.32	104	45 - 105
Bis(2-chloroethyl)ether	35.72	36.75	103	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	35.26	98.7	25 - 130
2-Chloronaphthalene	35.72	31.70	88.8	50 - 105
2-Chlorophenol	71.45	63.39	88.7	35 - 105
4-Chlorophenyl phenyl ether	35.72	37.06	104	50 - 110
Chrysene	35.72	38.78	109	55 - 110
Dibenz(a,h)anthracene	35.72	36.48	102	40 - 125
Dibenzofuran	35.72	35.00	98.0	55 - 105
Di-n-butylphthalate	**35.72**	**42.88**	**120**	**55 - 115**

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24003	Laboratory ID:	2J24003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	35.72	35.99	101	20 - 110
2,4-Dichlorophenol	71.45	70.09	98.1	50 - 105
Diethylphthalate	35.72	39.35	110	40 - 120
2,4-Dimethylphenol	71.45	72.53	102	30 - 110
Dimethyl phthalate	35.72	39.17	110	25 - 125
4,6-Dinitro-2-methylphenol	71.45	84.18	118	40 - 130
2,4-Dinitrophenol	71.45	71.03	99.4	15 - 140
2,4-Dinitrotoluene	35.72	38.88	109	50 - 120
2,6-Dinitrotoluene	35.72	35.17	98.5	50 - 115
Di-n-octylphthalate	35.72	40.13	112	35 - 135
1,2-Diphenylhydrazine	35.72	40.04	112	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	42.62	119	40 - 125
Fluoranthene	35.72	40.91	115	55 - 115
Fluorene	35.72	33.60	94.1	50 - 110
Hexachlorobenzene	35.72	39.02	109	50 - 110
Hexachlorobutadiene	**35.72**	**38.19**	**107**	**25 - 105**
Hexachlorocyclopentadiene	35.72	30.70	86.0	0 - 120
Hexachloroethane	35.72	33.10	92.7	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	36.21	101	45 - 125
Isophorone	35.72	36.28	102	50 - 110
1-Methylnaphthalene	35.72	34.36	96.2	35 - 115
2-Methylnaphthalene	35.72	34.79	97.4	45 - 105
2-Methylphenol	71.45	53.17	74.4	40 - 110
3-Methylphenol/4-Methylphenol	71.45	48.11	67.3	30 - 110
Naphthalene	35.72	34.67	97.1	40 - 100
4-Nitroaniline	35.72	37.50	105	35 - 120
3-Nitroaniline	35.72	34.98	97.9	20 - 125
2-Nitroaniline	**35.72**	**41.60**	**116**	**50 - 115**
Nitrobenzene	35.72	36.94	103	45 - 110
4-Nitrophenol	71.45	20.54	28.8	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24003	Laboratory ID:	2J24003-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	71.45	72.19	101	40 - 115
N-Nitrosodiphenylamine	35.72	32.75	91.7	50 - 110
N-Nitroso-di-n-propylamine	35.72	41.54	116	35 - 130
Pentachlorophenol	71.45	71.91	101	40 - 115
Phenanthrene	35.72	36.53	102	50 - 115
Phenol	71.45	20.05	28.1	0 - 115
Pyrene	35.72	37.85	106	50 - 130
2,4,6-Trichlorophenol	71.45	70.65	98.9	50 - 115
2,4,5-Trichlorophenol	71.45	70.44	98.6	50 - 110

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25012	Laboratory ID:	2J25012-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Acenaphthene	35.72	34.38	96.3	45 - 110
Acenaphthylene	35.72	36.84	103	50 - 105
Acetophenone	35.72	36.52	102	45 - 130
Anthracene	35.72	38.89	109	55 - 110
Atrazine	35.72	38.96	109	40 - 150
Benzaldehyde	35.72	39.73	111	40 - 125
Benzidine	35.72	100 U	0	0 - 110
Benzo(a)anthracene	35.72	38.65	108	55 - 110
Benzo(a)pyrene	35.72	39.15	110	55 - 110
Benzo(b)fluoranthene	35.72	39.42	110	45 - 120
Benzo(g,h,i)perylene	35.72	39.29	110	40 - 125
Benzoic acid	71.45	100 U	0	0 - 125
Benzo(k)fluoranthene	35.72	35.52	99.5	45 - 125
1,1-Biphenyl	35.72	37.79	106	45 - 135
4-Bromophenyl-phenylether	35.72	39.00	109	50 - 115
Butylbenzylphthalate	**35.72**	**42.65**	**119**	**45 - 115**
Caprolactam	35.72	8.430	23.6	5 - 110
Carbazole	**35.72**	**41.35**	**116**	**50 - 115**
4-Chloro-3-methylphenol	71.45	56.01	78.4	45 - 110
4-Chloroaniline	35.72	35.13	98.4	15 - 110
Bis(2-chloroethoxy)methane	**35.72**	**38.90**	**109**	**45 - 105**
Bis(2-chloroethyl)ether	35.72	36.96	103	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	36.50	102	25 - 130
2-Chloronaphthalene	35.72	34.10	95.5	50 - 105
2-Chlorophenol	71.45	30.75	43.0	35 - 105
4-Chlorophenyl phenyl ether	35.72	35.76	100	50 - 110
Chrysene	35.72	39.33	110	55 - 110
Dibenz(a,h)anthracene	35.72	38.70	108	40 - 125
Dibenzofuran	35.72	36.86	103	55 - 105
Di-n-butylphthalate	35.72	40.78	114	55 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25012	Laboratory ID:	2J25012-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
3,3'-Dichlorobenzidine	**35.72**	**40.03**	**112**	**20 - 110**
2,4-Dichlorophenol	**71.45**	**34.28**	**48.0**	**50 - 105**
Diethylphthalate	35.72	36.10	101	40 - 120
2,4-Dimethylphenol	71.45	62.71	87.8	30 - 110
Dimethyl phthalate	35.72	37.92	106	25 - 125
4,6-Dinitro-2-methylphenol	71.45	30.81	43.1	40 - 130
2,4-Dinitrophenol	71.45	24.18	33.8	15 - 140
2,4-Dinitrotoluene	35.72	39.21	110	50 - 120
2,6-Dinitrotoluene	35.72	38.77	109	50 - 115
Di-n-octylphthalate	35.72	42.19	118	35 - 135
1,2-Diphenylhydrazine	35.72	37.41	105	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	42.09	118	40 - 125
Fluoranthene	35.72	40.35	113	55 - 115
Fluorene	35.72	35.95	101	50 - 110
Hexachlorobenzene	35.72	37.71	106	50 - 110
Hexachlorobutadiene	35.72	31.99	89.6	25 - 105
Hexachlorocyclopentadiene	35.72	31.60	88.5	0 - 120
Hexachloroethane	35.72	28.60	80.1	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	38.22	107	45 - 125
Isophorone	35.72	35.94	101	50 - 110
1-Methylnaphthalene	35.72	34.14	95.6	35 - 115
2-Methylnaphthalene	35.72	34.11	95.5	45 - 105
2-Methylphenol	71.45	46.88	65.6	40 - 110
3-Methylphenol/4-Methylphenol	71.45	40.11	56.1	30 - 110
Naphthalene	35.72	35.06	98.2	40 - 100
4-Nitroaniline	35.72	41.09	115	35 - 120
3-Nitroaniline	35.72	39.15	110	20 - 125
2-Nitroaniline	35.72	41.15	115	50 - 115
Nitrobenzene	35.72	34.06	95.4	45 - 110
4-Nitrophenol	71.45	8.035	11.2	0 - 125

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25012	Laboratory ID:	2J25012-BS1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
2-Nitrophenol	71.45	34.03	47.6	40 - 115
N-Nitrosodiphenylamine	35.72	33.30	93.2	50 - 110
N-Nitroso-di-n-propylamine	35.72	36.57	102	35 - 130
Pentachlorophenol	**71.45**	**27.15**	**38.0**	**40 - 115**
Phenanthrene	35.72	37.89	106	50 - 115
Phenol	71.45	13.38	18.7	0 - 115
Pyrene	35.72	39.04	109	50 - 130
2,4,6-Trichlorophenol	**71.45**	**27.65**	**38.7**	**50 - 115**
2,4,5-Trichlorophenol	**71.45**	**33.57**	**47.0**	**50 - 110**

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	35.72	30.60	85.7	11.6	30	45 - 110
Acenaphthylene	35.72	33.59	94.1	9.21	30	50 - 105
Acetophenone	35.72	34.30	96.0	6.29	30	45 - 130
Anthracene	35.72	36.04	101	7.63	30	55 - 110
Atrazine	35.72	34.20	95.8	13.0	30	40 - 150
Benzaldehyde	35.72	38.62	108	2.83	30	40 - 125
Benzidine	35.72	100 U	0		30	0 - 110
Benzo(a)anthracene	35.72	35.19	98.5	9.37	30	55 - 110
Benzo(a)pyrene	35.72	36.35	102	7.43	30	55 - 110
Benzo(b)fluoranthene	35.72	37.74	106	4.38	30	45 - 120
Benzo(g,h,i)perylene	35.72	36.49	102	7.39	30	40 - 125
Benzoic acid	71.45	100 U	0		30	0 - 125
Benzo(k)fluoranthene	35.72	32.84	92.0	7.84	30	45 - 125
1,1-Biphenyl	35.72	34.68	97.1	8.61	30	45 - 135
4-Bromophenyl-phenylether	35.72	35.63	99.7	9.05	30	50 - 115
Butylbenzylphthalate	35.72	39.00	109	8.94	30	45 - 115
Caprolactam	35.72	7.263	20.3	14.9	30	5 - 110
Carbazole	35.72	37.52	105	9.73	30	50 - 115

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25012	Laboratory ID:	2J25012-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
4-Chloro-3-methylphenol	71.45	57.35	80.3	2.38	30	45 - 110
4-Chloroaniline	35.72	32.38	90.7	8.14	30	15 - 110
Bis(2-chloroethoxy)methane	35.72	36.59	102	6.13	30	45 - 105
Bis(2-chloroethyl)ether	35.72	34.70	97.2	6.31	30	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	33.22	93.0	9.39	30	25 - 130
2-Chloronaphthalene	35.72	31.01	86.8	9.49	30	50 - 105
2-Chlorophenol	71.45	41.82	58.5	30.5 *	30	35 - 105
4-Chlorophenyl phenyl ether	35.72	33.10	92.7	7.73	30	50 - 110
Chrysene	35.72	35.42	99.2	10.5	30	55 - 110
Dibenz(a,h)anthracene	35.72	36.96	103	4.60	30	40 - 125
Dibenzofuran	35.72	33.70	94.4	8.96	30	55 - 105
Di-n-butylphthalate	35.72	37.76	106	7.70	30	55 - 115
3,3'-Dichlorobenzidine	35.72	36.52	102	9.17	30	20 - 110
2,4-Dichlorophenol	71.45	45.15	63.2	27.4	30	50 - 105
Diethylphthalate	35.72	33.04	92.5	8.86	30	40 - 120
2,4-Dimethylphenol	71.45	57.24	80.1	9.12	30	30 - 110
Dimethyl phthalate	35.72	34.56	96.8	9.26	30	25 - 125
4,6-Dinitro-2-methylphenol	71.45	46.76	65.4	41.1 *	30	40 - 130
2,4-Dinitrophenol	71.45	37.84	53.0	44.0 *	30	15 - 140
2,4-Dinitrotoluene	35.72	34.84	97.5	11.8	30	50 - 120
2,6-Dinitrotoluene	35.72	35.81	100	7.95	30	50 - 115
Di-n-octylphthalate	35.72	39.42	110	6.80	30	35 - 135
1,2-Diphenylhydrazine	35.72	34.71	97.2	7.49	30	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	38.34	107	9.34	30	40 - 125
Fluoranthene	35.72	37.13	104	8.31	30	55 - 115
Fluorene	35.72	32.84	91.9	9.06	30	50 - 110
Hexachlorobenzene	35.72	34.80	97.5	8.00	30	50 - 110
Hexachlorobutadiene	35.72	30.71	86.0	4.09	30	25 - 105
Hexachlorocyclopentadiene	35.72	29.49	82.6	6.90	30	0 - 120
Hexachloroethane	35.72	28.08	78.6	1.82	30	30 - 100

LCS / LCS DUPLICATE RECOVERY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J25012	Laboratory ID:	2J25012-BSD1
Preparation:	EXT_3510	Initial/Final:	1000 mL / 1 mL

ANALYTE	SPIKE ADDED (ug/L)	LCSD CONCENTRATION (ug/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Indeno(1,2,3-cd)pyrene	35.72	36.17	101	5.51	30	45 - 125
Isophorone	35.72	32.64	91.4	9.61	30	50 - 110
1-Methylnaphthalene	35.72	31.88	89.3	6.85	30	35 - 115
2-Methylnaphthalene	35.72	31.41	88.0	8.22	30	45 - 105
2-Methylphenol	71.45	47.90	67.0	2.14	30	40 - 110
3-Methylphenol/4-Methylphenol	71.45	42.36	59.3	5.45	30	30 - 110
Naphthalene	35.72	32.22	90.2	8.45	30	40 - 100
4-Nitroaniline	35.72	36.80	103	11.0	30	35 - 120
3-Nitroaniline	35.72	36.10	101	8.12	30	20 - 125
2-Nitroaniline	35.72	35.42	99.2	14.9	30	50 - 115
Nitrobenzene	35.72	31.65	88.6	7.33	30	45 - 110
4-Nitrophenol	71.45	11.45	16.0	35.0 *	30	0 - 125
2-Nitrophenol	71.45	48.22	67.5	34.5 *	30	40 - 115
N-Nitrosodiphenylamine	35.72	31.37	87.8	5.97	30	50 - 110
N-Nitroso-di-n-propylamine	35.72	34.49	96.6	5.86	30	35 - 130
Pentachlorophenol	71.45	41.13	57.6	40.9 *	30	40 - 115
Phenanthrene	35.72	35.61	99.7	6.19	30	50 - 115
Phenol	71.45	16.34	22.9	19.9	30	0 - 115
Pyrene	35.72	36.77	103	5.99	30	50 - 130
2,4,6-Trichlorophenol	71.45	39.98	56.0	36.5 *	30	50 - 115
2,4,5-Trichlorophenol	71.45	45.56	63.8	30.3 *	30	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J23002

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Acenaphthene	35.72	ND	31.31	87.7		45 - 110
Acenaphthylene	35.72	ND	33.64	94.2		50 - 105
Acetophenone	35.72	ND	34.34	96.1		45 - 130
Anthracene	35.72	ND	36.68	103		55 - 110
Atrazine	35.72	ND	35.97	101		40 - 150
Benzaldehyde	35.72	ND	36.95	103		40 - 125
Benzidine	35.72	ND	100 U	0		0 - 110
Benzo(a)anthracene	35.72	ND	36.86	103		55 - 110
Benzo(a)pyrene	35.72	ND	36.41	102		55 - 110
Benzo(b)fluoranthene	35.72	ND	39.68	111		45 - 120
Benzo(g,h,i)perylene	35.72	ND	36.71	103		40 - 125
Benzoic acid	71.45	ND	100 U	0		0 - 125
Benzo(k)fluoranthene	35.72	ND	32.48	90.9		45 - 125
1,1-Biphenyl	35.72	ND	34.62	96.9		45 - 135
4-Bromophenyl-phenylether	35.72	ND	36.53	102		50 - 115
Butylbenzylphthalate	35.72	ND	40.31	113		45 - 115
Caprolactam	35.72	ND	7.660	21.4		5 - 110
Carbazole	35.72	ND	38.86	109		50 - 115
4-Chloro-3-methylphenol	71.45	ND	53.87	75.4		45 - 110
4-Chloroaniline	35.72	ND	32.80	91.8		15 - 110
Bis(2-chloroethoxy)methane	35.72	ND	35.59	99.7		45 - 105
Bis(2-chloroethyl)ether	35.72	ND	35.03	98.1		35 - 110
2,2'-Oxybis-1-chloropropane	35.72	ND	34.27	96.0		25 - 130
2-Chloronaphthalene	35.72	ND	32.11	89.9		50 - 105
2-Chlorophenol	71.45	ND	32.90	46.1		35 - 105
4-Chlorophenyl phenyl ether	35.72	ND	32.87	92.0		50 - 110
Chrysene	35.72	ND	36.49	102		55 - 110
Dibenz(a,h)anthracene	35.72	ND	36.67	103		40 - 125
Dibenzofuran	35.72	ND	33.55	93.9		55 - 105
Di-n-butylphthalate	35.72	ND	39.92	112		55 - 115
3,3'-Dichlorobenzidine	35.72	ND	35.98	101		20 - 110
2,4-Dichlorophenol	71.45	ND	36.46	51.0		50 - 105

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J23002

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Diethylphthalate	35.72	ND	33.40	93.5		40 - 120
2,4-Dimethylphenol	71.45	ND	56.27	78.7		30 - 110
Dimethyl phthalate	35.72	ND	34.36	96.2		25 - 125
4,6-Dinitro-2-methylphenol	71.45	ND	26.48	37.1	*	40 - 130
2,4-Dinitrophenol	71.45	ND	18.20	25.5		15 - 140
2,4-Dinitrotoluene	35.72	ND	34.99	98.0		50 - 120
2,6-Dinitrotoluene	35.72	ND	35.14	98.4		50 - 115
Di-n-octylphthalate	35.72	ND	40.35	113		35 - 135
1,2-Diphenylhydrazine	35.72	ND	35.30	98.8		55 - 115
Bis(2-ethylhexyl)phthalate	35.72	ND	40.49	113		40 - 125
Fluoranthene	35.72	ND	37.95	106		55 - 115
Fluorene	35.72	ND	32.75	91.7		50 - 110
Hexachlorobenzene	35.72	ND	36.16	101		50 - 110
Hexachlorobutadiene	35.72	ND	32.05	89.7		25 - 105
Hexachlorocyclopentadiene	35.72	ND	30.35	85.0		0 - 120
Hexachloroethane	35.72	ND	28.73	80.4		30 - 100
Indeno(1,2,3-cd)pyrene	35.72	ND	35.63	99.8		45 - 125
Isophorone	35.72	ND	32.87	92.0		50 - 110
1-Methylnaphthalene	35.72	ND	32.09	89.8		35 - 115
2-Methylnaphthalene	35.72	ND	32.60	91.3		45 - 105
2-Methylphenol	71.45	ND	45.74	64.0		40 - 110
3-Methylphenol/4-Methylphenol	71.45	ND	39.65	55.5		30 - 110
Naphthalene	35.72	ND	33.32	93.3		40 - 100
4-Nitroaniline	35.72	ND	37.83	106		35 - 120
3-Nitroaniline	35.72	ND	35.71	100		20 - 125
2-Nitroaniline	35.72	ND	35.50	99.4		50 - 115
Nitrobenzene	35.72	ND	31.34	87.8		45 - 110
4-Nitrophenol	71.45	ND	6.580	9.21		0 - 125
2-Nitrophenol	71.45	ND	37.10	51.9		40 - 115
N-Nitrosodiphenylamine	35.72	ND	31.89	89.3		50 - 110
N-Nitroso-di-n-propylamine	35.72	ND	33.14	92.8		35 - 130
Pentachlorophenol	71.45	ND	23.67	33.1	*	40 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J23002

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Phenanthrene	35.72	ND	36.29	102		50 - 115
Phenol	71.45	ND	14.38	20.1		0 - 115
Pyrene	35.72	ND	37.97	106		50 - 130
2,4,6-Trichlorophenol	71.45	ND	25.86	36.2	*	50 - 115
2,4,5-Trichlorophenol	71.45	ND	32.26	45.1	*	50 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J23002

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Acenaphthene	35.72	31.01	86.8	0.955		30	45 - 110
Acenaphthylene	35.72	33.61	94.1	0.115		30	50 - 105
Acetophenone	35.72	32.78	91.8	4.65		30	45 - 130
Anthracene	35.72	35.86	100	2.25		30	55 - 110
Atrazine	35.72	35.76	100	0.592		30	40 - 150
Benzaldehyde	35.72	36.74	103	0.596		30	40 - 125
Benzidine	35.72	100 U	0			30	0 - 110
Benzo(a)anthracene	35.72	35.94	101	2.53		30	55 - 110
Benzo(a)pyrene	35.72	35.54	99.5	2.41		30	55 - 110
Benzo(b)fluoranthene	35.72	41.30	116	4.00		30	45 - 120
Benzo(g,h,i)perylene	35.72	35.72	100	2.73		30	40 - 125
Benzoic acid	71.45	100 U	0			30	0 - 125
Benzo(k)fluoranthene	35.72	29.67	83.1	9.03		30	45 - 125
1,1-Biphenyl	35.72	34.85	97.6	0.660		30	45 - 135
4-Bromophenyl-phenylether	35.72	35.82	100	1.95		30	50 - 115
Butylbenzylphthalate	35.72	39.98	112	0.840		30	45 - 115
Caprolactam	35.72	7.750	21.7	1.16		30	5 - 110
Carbazole	35.72	37.30	104	4.10		30	50 - 115
4-Chloro-3-methylphenol	71.45	55.64	77.9	3.24		30	45 - 110
4-Chloroaniline	35.72	32.91	92.1	0.332		30	15 - 110
Bis(2-chloroethoxy)methane	35.72	35.27	98.8	0.900		30	45 - 105
Bis(2-chloroethyl)ether	35.72	34.22	95.8	2.33		30	35 - 110
2,2'-Oxybis-1-chloropropane	35.72	33.22	93.0	3.11		30	25 - 130
2-Chloronaphthalene	35.72	32.17	90.1	0.185		30	50 - 105
2-Chlorophenol	71.45	32.35	45.3	1.69		30	35 - 105
4-Chlorophenyl phenyl ether	35.72	33.07	92.6	0.610		30	50 - 110
Chrysene	35.72	35.39	99.1	3.05		30	55 - 110
Dibenz(a,h)anthracene	35.72	36.25	101	1.16		30	40 - 125
Dibenzofuran	35.72	34.23	95.8	1.98		30	55 - 105
Di-n-butylphthalate	35.72	38.29	107	4.15		30	55 - 115
3,3'-Dichlorobenzidine	35.72	36.19	101	0.563		30	20 - 110
2,4-Dichlorophenol	71.45	35.34	49.5	3.14	*	30	50 - 105
Diethylphthalate	35.72	33.38	93.5	0.0563		30	40 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J23002

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
2,4-Dimethylphenol	71.45	55.60	77.8	1.19		30	30 - 110
Dimethyl phthalate	35.72	34.53	96.7	0.486		30	25 - 125
4,6-Dinitro-2-methylphenol	71.45	26.36	36.9	0.457	*	30	40 - 130
2,4-Dinitrophenol	71.45	19.14	26.8	5.02		30	15 - 140
2,4-Dinitrotoluene	35.72	34.41	96.3	1.68		30	50 - 120
2,6-Dinitrotoluene	35.72	36.80	103	4.61		30	50 - 115
Di-n-octylphthalate	35.72	39.61	111	1.85		30	35 - 135
1,2-Diphenylhydrazine	35.72	34.44	96.4	2.47		30	55 - 115
Bis(2-ethylhexyl)phthalate	35.72	39.20	110	3.23		30	40 - 125
Fluoranthene	35.72	36.47	102	3.98		30	55 - 115
Fluorene	35.72	32.94	92.2	0.576		30	50 - 110
Hexachlorobenzene	35.72	35.26	98.7	2.52		30	50 - 110
Hexachlorobutadiene	35.72	30.85	86.4	3.81		30	25 - 105
Hexachlorocyclopentadiene	35.72	31.19	87.3	2.75		30	0 - 120
Hexachloroethane	35.72	28.34	79.3	1.38		30	30 - 100
Indeno(1,2,3-cd)pyrene	35.72	35.52	99.5	0.305		30	45 - 125
Isophorone	35.72	32.11	89.9	2.35		30	50 - 110
1-Methylnaphthalene	35.72	31.28	87.6	2.55		30	35 - 115
2-Methylnaphthalene	35.72	31.54	88.3	3.31		30	45 - 105
2-Methylphenol	71.45	45.48	63.7	0.571		30	40 - 110
3-Methylphenol/4-Methylphenol	71.45	40.36	56.5	1.79		30	30 - 110
Naphthalene	35.72	32.23	90.2	3.32		30	40 - 100
4-Nitroaniline	35.72	38.38	107	1.43		30	35 - 120
3-Nitroaniline	35.72	35.87	100	0.453		30	20 - 125
2-Nitroaniline	35.72	35.47	99.3	0.0654		30	50 - 115
Nitrobenzene	35.72	31.54	88.3	0.631		30	45 - 110
4-Nitrophenol	71.45	6.974	9.76	5.81		30	0 - 125
2-Nitrophenol	71.45	37.88	53.0	2.08		30	40 - 115
N-Nitrosodiphenylamine	35.72	31.44	88.0	1.42		30	50 - 110
N-Nitroso-di-n-propylamine	35.72	32.87	92.0	0.811		30	35 - 130
Pentachlorophenol	71.45	23.33	32.6	1.44	*	30	40 - 115
Phenanthrene	35.72	35.41	99.1	2.47		30	50 - 115
Phenol	71.45	14.35	20.1	0.228		30	0 - 115

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8270D

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J23002

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Pyrene	35.72	36.79	103	3.14		30	50 - 130
2,4,6-Trichlorophenol	71.45	26.58	37.2	2.73	*	30	50 - 115
2,4,5-Trichlorophenol	71.45	33.32	46.6	3.23	*	30	50 - 110

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J19004 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0825	1210178-11	10/19/12 12:23	1,080.00	1.00
GW0826	1210178-13	10/19/12 12:23	1,060.00	1.00
GW0827	1210178-15	10/19/12 12:23	1,020.00	1.00
GW0855	1210178-17	10/19/12 12:23	1,000.00	1.00
GW0856	1210178-19	10/19/12 12:23	900.00	1.00
GW0857	1210178-21	10/19/12 12:23	800.00	1.00
GW0861	1210178-23	10/19/12 12:23	800.00	1.00
GW0862	1210178-25	10/19/12 12:23	1,000.00	1.00
GW0863	1210178-27	10/19/12 12:23	800.00	1.00
Blank	2J19004-BLK1	10/19/12 06:26	1,000.00	1.00
LCS	2J19004-BS1	10/19/12 06:26	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J22003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0867	1210200-23	10/22/12 13:30	1,000.00	1.00
Blank	2J22003-BLK1	10/22/12 13:30	1,000.00	1.00
LCS	2J22003-BS1	10/22/12 13:30	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J23002 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	10/23/12 09:20	900.00	1.00
GW0808	1210178-03	10/23/12 09:20	1,020.00	1.00
GW0809	1210178-05	10/23/12 09:20	1,040.00	1.00
GW0810	1210178-07	10/23/12 09:20	1,080.00	1.00
GW0811	1210178-09	10/23/12 09:20	1,040.00	1.00
Blank	2J23002-BLK1	10/23/12 09:20	1,000.00	1.00
LCS	2J23002-BS1	10/23/12 09:20	1,000.00	1.00
GW0754	2J23002-MS1	10/23/12 09:20	1,000.00	1.00
GW0754	2J23002-MSD1	10/23/12 09:20	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J24003 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0799	1210200-09	10/24/12 09:15	1,000.00	1.00
GW0800	1210200-11	10/24/12 09:15	900.00	1.00
GW0801	1210200-13	10/24/12 09:15	1,000.00	1.00
GW0864	1210200-17	10/24/12 09:15	1,060.00	1.00
GW0865	1210200-19	10/24/12 09:15	1,060.00	1.00
GW0866	1210200-21	10/24/12 09:15	1,020.00	1.00
Blank	2J24003-BLK1	10/24/12 09:15	1,000.00	1.00
LCS	2J24003-BS1	10/24/12 09:15	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J25012 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-01	10/25/12 11:00	1,080.00	1.00
GW0789	1210200-03	10/25/12 11:00	1,000.00	1.00
GW0790	1210200-05	10/25/12 11:00	900.00	1.00
GW0791	1210200-07	10/25/12 11:00	1,000.00	1.00
GW0854	1210200-15	10/25/12 11:00	1,000.00	1.00
Blank	2J25012-BLK1	10/25/12 11:00	1,000.00	1.00
LCS	2J25012-BS1	10/25/12 11:00	1,000.00	1.00
LCS Dup	2J25012-BSD1	10/25/12 11:00	1,000.00	1.00

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J19004-BLK1 File ID: J19004B1.D

Sampled: Prepared: Analyzed: 10/22/12 19:10

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	UY
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J19004-BLK1 File ID: J19004B1.D

Sampled: Prepared: Analyzed: 10/22/12 19:10

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J19004 Sequence: 2J29718 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	UX
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	25.02	50.0	50 - 110	
2-Fluorophenol	100.0	19.27	19.3	20 - 110	
Nitrobenzene-d5	50.00	24.18	48.4	40 - 110	
Phenol-d6	100.0	10.57	10.6	0 - 110	
Terphenyl-d14	50.00	27.88	55.8	50 - 135	X
2,4,6-Tribromophenol	100.0	56.01	56.0	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J19004-BS1 | File ID: J19004L1.D

Sampled: | Prepared: | Analyzed: 10/22/12 19:38

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J19004 | Sequence: 2J29718 | Calibration: 2272005 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**28.96**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**29.98**	1.25	2.50	5.00	
98-86-2	Acetophenone	**33.76**	1.25	2.50	5.00	
120-12-7	Anthracene	**33.51**	1.25	2.50	5.00	
1912-24-9	Atrazine	**35.58**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**33.26**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**36.42**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**34.77**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**33.79**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**35.50**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	UY
207-08-9	Benzo(k)fluoranthene	**36.64**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**32.72**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**37.69**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**40.97**	1.25	2.50	5.00	
105-60-2	Caprolactam	**6.026**	1.25	2.50	5.00	
86-74-8	Carbazole	**37.17**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**62.08**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**29.29**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**29.95**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**31.30**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**29.02**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**29.30**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**52.37**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**32.87**	1.25	2.50	5.00	
218-01-9	Chrysene	**37.78**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**36.04**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**32.52**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**40.28**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**35.08**	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	**55.37**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**36.94**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**59.12**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**35.12**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**42.95**	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	**31.28**	8.33	25.0	50.0	J
121-14-2	2,4-Dinitrotoluene	**35.11**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**34.41**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**37.80**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J19004-BS1 | File ID: J19004L1.D

Sampled: | Prepared: | Analyzed: 10/22/12 19:38

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J19004 | Sequence: 2J29718 | Calibration: 2272005 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**36.07**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**39.41**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**37.18**	1.25	2.50	5.00	
86-73-7	Fluorene	**32.63**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**35.59**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**29.25**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**28.82**	1.25	5.00	10.0	X
67-72-1	Hexachloroethane	**27.29**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**35.66**	1.25	2.50	5.00	
78-59-1	Isophorone	**30.74**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**29.19**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**27.80**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**43.89**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**40.41**	1.25	2.50	5.00	
91-20-3	Naphthalene	**27.04**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**37.04**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**30.30**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**39.28**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**30.23**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**11.82**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**56.62**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**28.58**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**36.01**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**42.79**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**33.94**	1.25	2.50	5.00	
108-95-2	Phenol	**16.70**	1.25	2.50	5.00	
129-00-0	Pyrene	**35.31**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**52.57**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**62.81**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.43	88.9	50 - 110	
2-Fluorophenol	100.0	35.54	35.5	20 - 110	
Nitrobenzene-d5	50.00	43.09	86.2	40 - 110	
Phenol-d6	100.0	21.67	21.7	0 - 110	
Terphenyl-d14	50.00	49.91	99.8	50 - 135	X
2,4,6-Tribromophenol	100.0	96.94	96.9	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J22003-BLK1 File ID: J22003B1.D

Sampled: Prepared: Analyzed: 11/02/12 15:04

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J22003 Sequence: 2K31016 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	UX
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	UX
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UX
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J22003-BLK1 File ID: J22003B1.D

Sampled: Prepared: Analyzed: 11/02/12 15:04

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J22003 Sequence: 2K31016 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	UX
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	39.88	79.8	50 - 110	
2-Fluorophenol	100.0	19.71	19.7	20 - 110	
Nitrobenzene-d5	50.00	41.51	83.0	40 - 110	
Phenol-d6	100.0	14.90	14.9	0 - 110	
Terphenyl-d14	50.00	46.35	92.7	50 - 135	
2,4,6-Tribromophenol	100.0	51.86	51.9	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J22003-BS1 | File ID: J22003L1.D

Sampled: | Prepared: | Analyzed: 11/02/12 15:31

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J22003 | Sequence: 2K31016 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**29.32**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**32.13**	1.25	2.50	5.00	
98-86-2	Acetophenone	**31.33**	1.25	2.50	5.00	
120-12-7	Anthracene	**35.31**	1.25	2.50	5.00	
1912-24-9	Atrazine	**33.60**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**34.10**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**35.50**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**35.61**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**36.47**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**36.26**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**31.59**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**34.53**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**35.25**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**39.73**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.569**	1.25	2.50	5.00	X
86-74-8	Carbazole	**37.28**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**57.64**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**29.00**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**34.58**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**31.88**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**30.77**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**29.31**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**49.22**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**31.61**	1.25	2.50	5.00	
218-01-9	Chrysene	**35.20**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**36.62**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**32.46**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**37.46**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**36.28**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**55.74**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**32.31**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**57.65**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**34.06**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**55.74**	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	**49.04**	8.33	25.0	50.0	XJ
121-14-2	2,4-Dinitrotoluene	**34.13**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**34.95**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**41.22**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J22003-BS1 | File ID: J22003L1.D

Sampled: | Prepared: | Analyzed: 11/02/12 15:31

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J22003 | Sequence: 2K31016 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**34.24**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**39.67**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**35.90**	1.25	2.50	5.00	
86-73-7	Fluorene	**31.77**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**34.44**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**26.51**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**1.761**	1.25	5.00	10.0	J
67-72-1	Hexachloroethane	**17.38**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**35.85**	1.25	2.50	5.00	
78-59-1	Isophorone	**32.05**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**28.08**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**28.05**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**46.56**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**41.08**	1.25	2.50	5.00	
91-20-3	Naphthalene	**29.40**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**36.04**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**33.08**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**35.13**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**30.62**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**14.86**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**62.65**	1.25	2.50	5.00	X
86-30-6	N-Nitrosodiphenylamine	**30.77**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**31.11**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**54.59**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**34.92**	1.25	2.50	5.00	
108-95-2	Phenol	**18.01**	1.25	2.50	5.00	
129-00-0	Pyrene	**36.88**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**48.99**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**57.61**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.99	88.0	50 - 110	
2-Fluorophenol	100.0	36.87	36.9	20 - 110	
Nitrobenzene-d5	50.00	43.48	87.0	40 - 110	
Phenol-d6	100.0	25.08	25.1	0 - 110	
Terphenyl-d14	50.00	49.33	98.7	50 - 135	
2,4,6-Tribromophenol	100.0	84.70	84.7	40 - 125	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J23002-BLK1 File ID: J23002B1.D

Sampled: Prepared: Analyzed: 11/03/12 16:41

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	U
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	U
105-60-2	Caprolactam		1.25	2.50	5.00	UX
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	U
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	UX
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	U
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	UX
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UX
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J23002-BLK1 File ID: J23002B1.D

Sampled: Prepared: Analyzed: 11/03/12 16:41

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	U
88-75-5	2-Nitrophenol		1.25	2.50	5.00	U
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	U
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	U
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	46.00	92.0	50 - 110	
2-Fluorophenol	100.0	42.50	42.5	20 - 110	
Nitrobenzene-d5	50.00	44.92	89.8	40 - 110	
Phenol-d6	100.0	24.36	24.4	0 - 110	
Terphenyl-d14	50.00	51.57	103	50 - 135	
2,4,6-Tribromophenol	100.0	100.0	100	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J23002-BS1 File ID: J23002L1.D

Sampled: Prepared: Analyzed: 11/03/12 17:08

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**27.93**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**30.47**	1.25	2.50	5.00	
98-86-2	Acetophenone	**30.12**	1.25	2.50	5.00	
120-12-7	Anthracene	**33.82**	1.25	2.50	5.00	
1912-24-9	Atrazine	**33.50**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**32.14**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**34.32**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**33.48**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**38.14**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**34.02**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**28.18**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**31.41**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**32.43**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**37.94**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.465**	1.25	2.50	5.00	X
86-74-8	Carbazole	**35.74**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**54.81**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**28.47**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**29.42**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**29.46**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**28.43**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**27.23**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**49.75**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**30.07**	1.25	2.50	5.00	
218-01-9	Chrysene	**33.39**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**34.69**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**30.97**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**36.50**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**34.42**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**55.12**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**30.84**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**50.30**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**32.17**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**74.68**	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	**69.05**	8.33	25.0	50.0	X
121-14-2	2,4-Dinitrotoluene	**33.95**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**32.91**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**36.25**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J23002-BS1 | File ID: J23002L1.D

Sampled: | Prepared: | Analyzed: 11/03/12 17:08

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J23002 | Sequence: 2K31106 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**31.74**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**37.32**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**35.20**	1.25	2.50	5.00	
86-73-7	Fluorene	**29.98**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**32.21**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**23.89**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**24.24**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**22.88**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**32.63**	1.25	2.50	5.00	
78-59-1	Isophorone	**28.59**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**26.20**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**26.29**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**42.07**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**37.86**	1.25	2.50	5.00	
91-20-3	Naphthalene	**26.85**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**35.46**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**32.05**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**32.95**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**26.58**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**18.60**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**61.92**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**28.91**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**29.13**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**67.32**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**33.56**	1.25	2.50	5.00	
108-95-2	Phenol	**17.03**	1.25	2.50	5.00	
129-00-0	Pyrene	**34.70**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**57.87**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**61.35**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	38.98	78.0	50 - 110	
2-Fluorophenol	100.0	39.60	39.6	20 - 110	
Nitrobenzene-d5	50.00	37.80	75.6	40 - 110	
Phenol-d6	100.0	23.16	23.2	0 - 110	
Terphenyl-d14	50.00	47.04	94.1	50 - 135	
2,4,6-Tribromophenol	100.0	91.34	91.3	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J23002-MS1 File ID: 1017801M.D

Sampled: Prepared: Analyzed: 11/04/12 02:47

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**31.31**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**33.64**	1.25	2.50	5.00	
98-86-2	Acetophenone	**34.34**	1.25	2.50	5.00	
120-12-7	Anthracene	**36.68**	1.25	2.50	5.00	
1912-24-9	Atrazine	**35.97**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**36.95**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**36.86**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**36.41**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**39.68**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**36.71**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**32.48**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**34.62**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**36.53**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**40.31**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.660**	1.25	2.50	5.00	X
86-74-8	Carbazole	**38.86**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**53.87**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**32.80**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**35.59**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**35.03**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**34.27**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**32.11**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**32.90**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**32.87**	1.25	2.50	5.00	
218-01-9	Chrysene	**36.49**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**36.67**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**33.55**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**39.92**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**35.98**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**36.46**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**33.40**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**56.27**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**34.36**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**26.48**	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	**18.20**	8.33	25.0	50.0	XJ
121-14-2	2,4-Dinitrotoluene	**34.99**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**35.14**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**40.35**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J23002-MS1 File ID: 1017801M.D

Sampled: Prepared: Analyzed: 11/04/12 02:47

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**35.30**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**40.49**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**37.95**	1.25	2.50	5.00	
86-73-7	Fluorene	**32.75**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**36.16**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**32.05**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**30.35**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**28.73**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**35.63**	1.25	2.50	5.00	
78-59-1	Isophorone	**32.87**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**32.09**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**32.60**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**45.74**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**39.65**	1.25	2.50	5.00	
91-20-3	Naphthalene	**33.32**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**37.83**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**35.71**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**35.50**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**31.34**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**6.580**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**37.10**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**31.89**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**33.14**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**23.67**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**36.29**	1.25	2.50	5.00	
108-95-2	Phenol	**14.38**	1.25	2.50	5.00	
129-00-0	Pyrene	**37.97**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**25.86**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**32.26**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.61	87.2	50 - 110	
2-Fluorophenol	100.0	20.29	20.3	20 - 110	
Nitrobenzene-d5	50.00	44.14	88.3	40 - 110	
Phenol-d6	100.0	18.49	18.5	0 - 110	
Terphenyl-d14	50.00	49.70	99.4	50 - 135	
2,4,6-Tribromophenol	100.0	46.68	46.7	40 - 125	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J23002-MSD1 File ID: 1017801S.D

Sampled: Prepared: Analyzed: 11/04/12 03:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**31.01**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**33.61**	1.25	2.50	5.00	
98-86-2	Acetophenone	**32.78**	1.25	2.50	5.00	
120-12-7	Anthracene	**35.86**	1.25	2.50	5.00	
1912-24-9	Atrazine	**35.76**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**36.74**	1.25	2.50	5.00	
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**35.94**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**35.54**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**41.30**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**35.72**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**29.67**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**34.85**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**35.82**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**39.98**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.750**	1.25	2.50	5.00	X
86-74-8	Carbazole	**37.30**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**55.64**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**32.91**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**35.27**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**34.22**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**33.22**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**32.17**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**32.35**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**33.07**	1.25	2.50	5.00	
218-01-9	Chrysene	**35.39**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**36.25**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**34.23**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**38.29**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**36.19**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**35.34**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**33.38**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**55.60**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**34.53**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**26.36**	5.00	10.0	20.0	X
51-28-5	2,4-Dinitrophenol	**19.14**	8.33	25.0	50.0	XJ
121-14-2	2,4-Dinitrotoluene	**34.41**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**36.80**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**39.61**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J23002-MSD1 File ID: 1017801S.D

Sampled: Prepared: Analyzed: 11/04/12 03:15

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J23002 Sequence: 2K31106 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**34.44**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**39.20**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**36.47**	1.25	2.50	5.00	
86-73-7	Fluorene	**32.94**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**35.26**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**30.85**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**31.19**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**28.34**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**35.52**	1.25	2.50	5.00	
78-59-1	Isophorone	**32.11**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**31.28**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**31.54**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**45.48**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**40.36**	1.25	2.50	5.00	
91-20-3	Naphthalene	**32.23**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**38.38**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**35.87**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**35.47**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**31.54**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**6.974**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**37.88**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**31.44**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**32.87**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**23.33**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**35.41**	1.25	2.50	5.00	
108-95-2	Phenol	**14.35**	1.25	2.50	5.00	
129-00-0	Pyrene	**36.79**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**26.58**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**33.32**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	44.07	88.1	50 - 110	
2-Fluorophenol	100.0	19.63	19.6	20 - 110	
Nitrobenzene-d5	50.00	43.48	87.0	40 - 110	
Phenol-d6	100.0	18.62	18.6	0 - 110	
Terphenyl-d14	50.00	49.72	99.4	50 - 135	
2,4,6-Tribromophenol	100.0	47.77	47.8	40 - 125	

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J24003-BLK1 File ID: J24003B1.D

Sampled: Prepared: Analyzed: 11/05/12 20:44

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J24003 Sequence: 2K31204 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	UX
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	UY
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	UQ
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	U
86-74-8	Carbazole		1.25	2.50	5.00	U
59-50-7	4-Chloro-3-methylphenol		1.25	2.50	5.00	U
106-47-8	4-Chloroaniline		1.25	2.50	5.00	U
111-91-1	Bis(2-chloroethoxy)methane		1.25	2.50	5.00	U
111-44-4	Bis(2-chloroethyl)ether		1.25	2.50	5.00	U
108-60-1	2,2'-Oxybis-1-chloropropane		1.25	2.50	5.00	U
91-58-7	2-Chloronaphthalene		1.25	2.50	5.00	U
95-57-8	2-Chlorophenol		1.25	2.50	5.00	U
7005-72-3	4-Chlorophenyl phenyl ether		1.25	2.50	5.00	U
218-01-9	Chrysene		1.25	2.50	5.00	U
53-70-3	Dibenz(a,h)anthracene		1.25	2.50	5.00	U
132-64-9	Dibenzofuran		1.25	2.50	5.00	U
84-74-2	Di-n-butylphthalate		1.25	2.50	5.00	UQ
91-94-1	3,3'-Dichlorobenzidine		1.25	2.50	5.00	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		8.33	25.0	50.0	U
121-14-2	2,4-Dinitrotoluene		1.25	2.50	5.00	U
606-20-2	2,6-Dinitrotoluene		1.25	2.50	5.00	U
117-84-0	Di-n-octylphthalate		1.25	2.50	5.00	U

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J24003-BLK1 File ID: J24003B1.D

Sampled: Prepared: Analyzed: 11/05/12 20:44

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J24003 Sequence: 2K31204 Calibration: 2272005 Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	UQ
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	UX
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	UQ
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	UX
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	46.35	92.7	50 - 110	
2-Fluorophenol	100.0	33.88	33.9	20 - 110	
Nitrobenzene-d5	50.00	50.01	100	40 - 110	
Phenol-d6	100.0	20.26	20.3	0 - 110	
Terphenyl-d14	50.00	52.97	106	50 - 135	X
2,4,6-Tribromophenol	100.0	105.9	106	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J24003-BS1 | File ID: J24003L1.D

Sampled: | Prepared: | Analyzed: 11/05/12 21:11

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J24003 | Sequence: 2K31204 | Calibration: 2272005 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**34.04**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**33.57**	1.25	2.50	5.00	
98-86-2	Acetophenone	**40.36**	1.25	2.50	5.00	
120-12-7	Anthracene	**36.88**	1.25	2.50	5.00	
1912-24-9	Atrazine	**39.72**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**38.73**	1.25	2.50	5.00	X
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**37.56**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**35.48**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**34.00**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**35.87**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	UY
207-08-9	Benzo(k)fluoranthene	**38.74**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**35.88**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**41.70**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**43.68**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.843**	1.25	2.50	5.00	
86-74-8	Carbazole	**39.69**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**72.28**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**33.61**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**37.32**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**36.75**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**35.26**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**31.70**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**63.39**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**37.06**	1.25	2.50	5.00	
218-01-9	Chrysene	**38.78**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**36.48**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**35.00**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**42.88**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**35.99**	1.25	2.50	5.00	
120-83-2	2,4-Dichlorophenol	**70.09**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**39.35**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**72.53**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**39.17**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**84.18**	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	**71.03**	8.33	25.0	50.0	
121-14-2	2,4-Dinitrotoluene	**38.88**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**35.17**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**40.13**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J24003-BS1 | File ID: J24003L1.D

Sampled: | Prepared: | Analyzed: 11/05/12 21:11

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J24003 | Sequence: 2K31204 | Calibration: 2272005 | Instrument: MS-BNA1

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**40.04**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**42.62**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**40.91**	1.25	2.50	5.00	
86-73-7	Fluorene	**33.60**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**39.02**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**38.19**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**30.70**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**33.10**	1.25	2.50	5.00	X
193-39-5	Indeno(1,2,3-cd)pyrene	**36.21**	1.25	2.50	5.00	
78-59-1	Isophorone	**36.28**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**34.36**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**34.79**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**53.17**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**48.11**	1.25	2.50	5.00	
91-20-3	Naphthalene	**34.67**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**37.50**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**34.98**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**41.60**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**36.94**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**20.54**	5.00	10.0	20.0	
88-75-5	2-Nitrophenol	**72.19**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**32.75**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**41.54**	1.25	2.50	5.00	X
87-86-5	Pentachlorophenol	**71.91**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**36.53**	1.25	2.50	5.00	
108-95-2	Phenol	**20.05**	1.25	2.50	5.00	
129-00-0	Pyrene	**37.85**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**70.65**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**70.44**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	48.17	96.3	50 - 110	
2-Fluorophenol	100.0	46.99	47.0	20 - 110	
Nitrobenzene-d5	50.00	50.98	102	40 - 110	
Phenol-d6	100.0	26.46	26.5	0 - 110	
Terphenyl-d14	50.00	53.14	106	50 - 135	X
2,4,6-Tribromophenol	100.0	111.1	111	40 - 125	

ANALYSIS DATA SHEET

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Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J25012-BLK1 File ID: J25012B1.D

Sampled: Prepared: Analyzed: 11/05/12 15:59

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene		1.25	2.50	5.00	U
208-96-8	Acenaphthylene		1.25	2.50	5.00	U
98-86-2	Acetophenone		1.25	2.50	5.00	U
120-12-7	Anthracene		1.25	2.50	5.00	U
1912-24-9	Atrazine		1.25	2.50	5.00	U
100-52-7	Benzaldehyde		1.25	2.50	5.00	UX
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene		1.25	2.50	5.00	U
50-32-8	Benzo(a)pyrene		1.25	2.50	5.00	U
205-99-2	Benzo(b)fluoranthene		1.25	2.50	5.00	U
191-24-2	Benzo(g,h,i)perylene		1.25	2.50	5.00	U
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene		1.25	2.50	5.00	U
92-52-4	1,1-Biphenyl		1.25	2.50	5.00	U
101-55-3	4-Bromophenyl-phenylether		1.25	2.50	5.00	U
85-68-7	Butylbenzylphthalate		1.25	2.50	5.00	UQ
105-60-2	Caprolactam		1.25	2.50	5.00	UX
86-74-8	Carbazole		1.25	2.50	5.00	UQ
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	UQ
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	UQ
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	UXQ
120-83-2	2,4-Dichlorophenol		1.25	2.50	5.00	UQ
84-66-2	Diethylphthalate		1.25	2.50	5.00	U
105-67-9	2,4-Dimethylphenol		5.00	10.0	20.0	U
131-11-3	Dimethyl phthalate		1.25	2.50	5.00	U
534-52-1	4,6-Dinitro-2-methylphenol		5.00	10.0	20.0	UQ
51-28-5	2,4-Dinitrophenol		8.33	25.0	50.0	UQ
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_066

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

Matrix: Laboratory ID: 2J25012-BLK1 File ID: J25012B1.D

Sampled: Prepared: Analyzed: 11/05/12 15:59

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine		1.25	2.50	5.00	U
117-81-7	Bis(2-ethylhexyl)phthalate		1.25	2.50	5.00	U
206-44-0	Fluoranthene		1.25	2.50	5.00	U
86-73-7	Fluorene		1.25	2.50	5.00	U
118-74-1	Hexachlorobenzene		1.25	2.50	5.00	U
87-68-3	Hexachlorobutadiene		1.25	2.50	5.00	U
77-47-4	Hexachlorocyclopentadiene		1.25	5.00	10.0	U
67-72-1	Hexachloroethane		1.25	2.50	5.00	U
193-39-5	Indeno(1,2,3-cd)pyrene		1.25	2.50	5.00	U
78-59-1	Isophorone		1.25	2.50	5.00	U
90-12-0	1-Methylnaphthalene		1.25	2.50	5.00	U
91-57-6	2-Methylnaphthalene		1.25	2.50	5.00	U
95-48-7	2-Methylphenol		1.25	2.50	5.00	U
108-39-4/106	3-Methylphenol/4-Methylphenol		1.25	2.50	5.00	U
91-20-3	Naphthalene		1.25	2.50	5.00	U
100-01-6	4-Nitroaniline		5.00	10.0	20.0	U
99-09-2	3-Nitroaniline		5.00	10.0	20.0	U
88-74-4	2-Nitroaniline		5.00	10.0	20.0	U
98-95-3	Nitrobenzene		1.25	2.50	5.00	U
100-02-7	4-Nitrophenol		5.00	10.0	20.0	UQ
88-75-5	2-Nitrophenol		1.25	2.50	5.00	UQ
86-30-6	N-Nitrosodiphenylamine		1.25	2.50	5.00	U
621-64-7	N-Nitroso-di-n-propylamine		1.25	2.50	5.00	U
87-86-5	Pentachlorophenol		5.00	10.0	20.0	UQ
85-01-8	Phenanthrene		1.25	2.50	5.00	U
108-95-2	Phenol		1.25	2.50	5.00	U
129-00-0	Pyrene		1.25	2.50	5.00	U
88-06-2	2,4,6-Trichlorophenol		1.25	2.50	5.00	UQ
95-95-4	2,4,5-Trichlorophenol		1.25	2.50	5.00	UQ

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	45.45	90.9	50 - 110	
2-Fluorophenol	100.0	22.64	22.6	20 - 110	
Nitrobenzene-d5	50.00	46.82	93.6	40 - 110	
Phenol-d6	100.0	20.60	20.6	0 - 110	
Terphenyl-d14	50.00	53.58	107	50 - 135	
2,4,6-Tribromophenol	100.0	64.53	64.5	40 - 125	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J25012-BS1 File ID: J25012L1.D

Sampled: Prepared: Analyzed: 11/05/12 16:26

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**34.38**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**36.84**	1.25	2.50	5.00	
98-86-2	Acetophenone	**36.52**	1.25	2.50	5.00	
120-12-7	Anthracene	**38.89**	1.25	2.50	5.00	
1912-24-9	Atrazine	**38.96**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**39.73**	1.25	2.50	5.00	X
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**38.65**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**39.15**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**39.42**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**39.29**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**35.52**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**37.79**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**39.00**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**42.65**	1.25	2.50	5.00	
105-60-2	Caprolactam	**8.430**	1.25	2.50	5.00	X
86-74-8	Carbazole	**41.35**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**56.01**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**35.13**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**38.90**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**36.96**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**36.50**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**34.10**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**30.75**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**35.76**	1.25	2.50	5.00	
218-01-9	Chrysene	**39.33**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**38.70**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**36.86**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**40.78**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**40.03**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**34.28**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**36.10**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**62.71**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**37.92**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**30.81**	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	**24.18**	8.33	25.0	50.0	J
121-14-2	2,4-Dinitrotoluene	**39.21**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**38.77**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**42.19**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J25012-BS1 | File ID: J25012L1.D

Sampled: | Prepared: | Analyzed: 11/05/12 16:26

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J25012 | Sequence: 2K31110 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**37.41**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**42.09**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**40.35**	1.25	2.50	5.00	
86-73-7	Fluorene	**35.95**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**37.71**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**31.99**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**31.60**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**28.60**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**38.22**	1.25	2.50	5.00	
78-59-1	Isophorone	**35.94**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**34.14**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**34.11**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**46.88**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**40.11**	1.25	2.50	5.00	
91-20-3	Naphthalene	**35.06**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**41.09**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**39.15**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**41.15**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**34.06**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**8.035**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**34.03**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**33.30**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**36.57**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**27.15**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**37.89**	1.25	2.50	5.00	
108-95-2	Phenol	**13.38**	1.25	2.50	5.00	
129-00-0	Pyrene	**39.04**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**27.65**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**33.57**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	47.39	94.8	50 - 110	
2-Fluorophenol	100.0	19.43	19.4	20 - 110	
Nitrobenzene-d5	50.00	48.08	96.2	40 - 110	
Phenol-d6	100.0	17.05	17.1	0 - 110	
Terphenyl-d14	50.00	51.71	103	50 - 135	
2,4,6-Tribromophenol	100.0	50.02	50.0	40 - 125	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Matrix: Laboratory ID: 2J25012-BSD1 File ID: J25012L2.D

Sampled: Prepared: Analyzed: 11/05/12 16:53

Solids: Preparation: EXT_3510 Dilution:

Batch: 2J25012 Sequence: 2K31110 Calibration: 2261001 Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
83-32-9	Acenaphthene	**30.60**	1.25	2.50	5.00	
208-96-8	Acenaphthylene	**33.59**	1.25	2.50	5.00	
98-86-2	Acetophenone	**34.30**	1.25	2.50	5.00	
120-12-7	Anthracene	**36.04**	1.25	2.50	5.00	
1912-24-9	Atrazine	**34.20**	1.25	2.50	5.00	
100-52-7	Benzaldehyde	**38.62**	1.25	2.50	5.00	X
92-87-5	Benzidine		12.5	50.0	100	UX
56-55-3	Benzo(a)anthracene	**35.19**	1.25	2.50	5.00	
50-32-8	Benzo(a)pyrene	**36.35**	1.25	2.50	5.00	
205-99-2	Benzo(b)fluoranthene	**37.74**	1.25	2.50	5.00	
191-24-2	Benzo(g,h,i)perylene	**36.49**	1.25	2.50	5.00	
65-85-0	Benzoic acid		12.5	50.0	100	U
207-08-9	Benzo(k)fluoranthene	**32.84**	1.25	2.50	5.00	
92-52-4	1,1-Biphenyl	**34.68**	1.25	2.50	5.00	
101-55-3	4-Bromophenyl-phenylether	**35.63**	1.25	2.50	5.00	
85-68-7	Butylbenzylphthalate	**39.00**	1.25	2.50	5.00	
105-60-2	Caprolactam	**7.263**	1.25	2.50	5.00	X
86-74-8	Carbazole	**37.52**	1.25	2.50	5.00	
59-50-7	4-Chloro-3-methylphenol	**57.35**	1.25	2.50	5.00	
106-47-8	4-Chloroaniline	**32.38**	1.25	2.50	5.00	
111-91-1	Bis(2-chloroethoxy)methane	**36.59**	1.25	2.50	5.00	
111-44-4	Bis(2-chloroethyl)ether	**34.70**	1.25	2.50	5.00	
108-60-1	2,2'-Oxybis-1-chloropropane	**33.22**	1.25	2.50	5.00	
91-58-7	2-Chloronaphthalene	**31.01**	1.25	2.50	5.00	
95-57-8	2-Chlorophenol	**41.82**	1.25	2.50	5.00	
7005-72-3	4-Chlorophenyl phenyl ether	**33.10**	1.25	2.50	5.00	
218-01-9	Chrysene	**35.42**	1.25	2.50	5.00	
53-70-3	Dibenz(a,h)anthracene	**36.96**	1.25	2.50	5.00	
132-64-9	Dibenzofuran	**33.70**	1.25	2.50	5.00	
84-74-2	Di-n-butylphthalate	**37.76**	1.25	2.50	5.00	
91-94-1	3,3'-Dichlorobenzidine	**36.52**	1.25	2.50	5.00	X
120-83-2	2,4-Dichlorophenol	**45.15**	1.25	2.50	5.00	
84-66-2	Diethylphthalate	**33.04**	1.25	2.50	5.00	
105-67-9	2,4-Dimethylphenol	**57.24**	5.00	10.0	20.0	
131-11-3	Dimethyl phthalate	**34.56**	1.25	2.50	5.00	
534-52-1	4,6-Dinitro-2-methylphenol	**46.76**	5.00	10.0	20.0	
51-28-5	2,4-Dinitrophenol	**37.84**	8.33	25.0	50.0	J
121-14-2	2,4-Dinitrotoluene	**34.84**	1.25	2.50	5.00	
606-20-2	2,6-Dinitrotoluene	**35.81**	1.25	2.50	5.00	
117-84-0	Di-n-octylphthalate	**39.42**	1.25	2.50	5.00	

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC | SDG: Kirtland_066

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

Matrix: | Laboratory ID: 2J25012-BSD1 | File ID: J25012L2.D

Sampled: | Prepared: | Analyzed: 11/05/12 16:53

Solids: | Preparation: EXT_3510 | Dilution:

Batch: 2J25012 | Sequence: 2K31110 | Calibration: 2261001 | Instrument: MS-BNA3

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
122-66-7	1,2-Diphenylhydrazine	**34.71**	1.25	2.50	5.00	
117-81-7	Bis(2-ethylhexyl)phthalate	**38.34**	1.25	2.50	5.00	
206-44-0	Fluoranthene	**37.13**	1.25	2.50	5.00	
86-73-7	Fluorene	**32.84**	1.25	2.50	5.00	
118-74-1	Hexachlorobenzene	**34.80**	1.25	2.50	5.00	
87-68-3	Hexachlorobutadiene	**30.71**	1.25	2.50	5.00	
77-47-4	Hexachlorocyclopentadiene	**29.49**	1.25	5.00	10.0	
67-72-1	Hexachloroethane	**28.08**	1.25	2.50	5.00	
193-39-5	Indeno(1,2,3-cd)pyrene	**36.17**	1.25	2.50	5.00	
78-59-1	Isophorone	**32.64**	1.25	2.50	5.00	
90-12-0	1-Methylnaphthalene	**31.88**	1.25	2.50	5.00	
91-57-6	2-Methylnaphthalene	**31.41**	1.25	2.50	5.00	
95-48-7	2-Methylphenol	**47.90**	1.25	2.50	5.00	
108-39-4/106	3-Methylphenol/4-Methylphenol	**42.36**	1.25	2.50	5.00	
91-20-3	Naphthalene	**32.22**	1.25	2.50	5.00	
100-01-6	4-Nitroaniline	**36.80**	5.00	10.0	20.0	
99-09-2	3-Nitroaniline	**36.10**	5.00	10.0	20.0	
88-74-4	2-Nitroaniline	**35.42**	5.00	10.0	20.0	
98-95-3	Nitrobenzene	**31.65**	1.25	2.50	5.00	
100-02-7	4-Nitrophenol	**11.45**	5.00	10.0	20.0	J
88-75-5	2-Nitrophenol	**48.22**	1.25	2.50	5.00	
86-30-6	N-Nitrosodiphenylamine	**31.37**	1.25	2.50	5.00	
621-64-7	N-Nitroso-di-n-propylamine	**34.49**	1.25	2.50	5.00	
87-86-5	Pentachlorophenol	**41.13**	5.00	10.0	20.0	
85-01-8	Phenanthrene	**35.61**	1.25	2.50	5.00	
108-95-2	Phenol	**16.34**	1.25	2.50	5.00	
129-00-0	Pyrene	**36.77**	1.25	2.50	5.00	
88-06-2	2,4,6-Trichlorophenol	**39.98**	1.25	2.50	5.00	
95-95-4	2,4,5-Trichlorophenol	**45.56**	1.25	2.50	5.00	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
2-Fluorobiphenyl	50.00	43.44	86.9	50 - 110	
2-Fluorophenol	100.0	29.79	29.8	20 - 110	
Nitrobenzene-d5	50.00	43.95	87.9	40 - 110	
Phenol-d6	100.0	21.21	21.2	0 - 110	
Terphenyl-d14	50.00	48.61	97.2	50 - 135	
2,4,6-Tribromophenol	100.0	66.28	66.3	40 - 125	

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	09/11/12
Instrument ID:	MS-BNA3	Injection Time:	10:14
Sequence:	2I25803	Lab Sample ID:	2I25803-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	39.9	PASS
68	Less than 2% of 69	0.427	PASS
69	Less than 200% of 198	45	PASS
70	Less than 2% of 69	0.427	PASS
127	40 - 60% of 198	48.7	PASS
197	Less than 1% of 198	0.112	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.32	PASS
275	10 - 30% of 198	23.4	PASS
365	1 - 200% of 198	2.18	PASS
441	0.001 - 100% of 443	80	PASS
442	40 - 200% of 198	79.1	PASS
443	17 - 23% of 442	18.8	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	09/12/12
Instrument ID:	MS-BNA3	Injection Time:	15:25
Sequence:	2I25803	Lab Sample ID:	2I25803-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	38.9	PASS
68	Less than 2% of 69	1.04	PASS
69	Less than 200% of 198	42.9	PASS
70	Less than 2% of 69	0.427	PASS
127	40 - 60% of 198	48.8	PASS
197	Less than 1% of 198	0.0543	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.99	PASS
275	10 - 30% of 198	22.3	PASS
365	1 - 200% of 198	2.57	PASS
441	0.001 - 100% of 443	68.9	PASS
442	40 - 200% of 198	78.2	PASS
443	17 - 23% of 442	20.5	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	09/26/12
Instrument ID:	MS-BNA1	Injection Time:	17:40
Sequence:	2I27213	Lab Sample ID:	2I27213-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	41.4	PASS
68	Less than 2% of 69	0.277	PASS
69	Less than 200% of 198	53	PASS
70	Less than 2% of 69	0.589	PASS
127	40 - 60% of 198	48.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.91	PASS
275	10 - 30% of 198	18.4	PASS
365	1 - 200% of 198	2.13	PASS
441	0.001 - 100% of 443	72.2	PASS
442	40 - 200% of 198	59.2	PASS
443	17 - 23% of 442	19.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN2.D	Injection Date:	09/27/12
Instrument ID:	MS-BNA1	Injection Time:	15:42
Sequence:	2I27213	Lab Sample ID:	2I27213-TUN2

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	39.5	PASS
68	Less than 2% of 69	0.442	PASS
69	Less than 200% of 198	51.2	PASS
70	Less than 2% of 69	0.674	PASS
127	40 - 60% of 198	48.3	PASS
197	Less than 1% of 198	0.0185	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.76	PASS
275	10 - 30% of 198	18.5	PASS
365	1 - 200% of 198	2.14	PASS
441	0.001 - 100% of 443	74.7	PASS
442	40 - 200% of 198	59.6	PASS
443	17 - 23% of 442	19.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	10/22/12
Instrument ID:	MS-BNA1	Injection Time:	17:53
Sequence:	2J29718	Lab Sample ID:	2J29718-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	36.9	PASS
68	Less than 2% of 69	1.04	PASS
69	Less than 200% of 198	48.9	PASS
70	Less than 2% of 69	0.802	PASS
127	40 - 60% of 198	47.6	PASS
197	Less than 1% of 198	0.0729	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.6	PASS
275	10 - 30% of 198	18.3	PASS
365	1 - 200% of 198	2.32	PASS
441	0.001 - 100% of 443	78	PASS
442	40 - 200% of 198	60.5	PASS
443	17 - 23% of 442	20	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/02/12
Instrument ID:	MS-BNA3	Injection Time:	10:01
Sequence:	2K31016	Lab Sample ID:	2K31016-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	32.6	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	38.4	PASS
70	Less than 2% of 69	0	PASS
127	40 - 60% of 198	45.6	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.97	PASS
275	10 - 30% of 198	23	PASS
365	1 - 200% of 198	2.15	PASS
441	0.001 - 100% of 443	77.9	PASS
442	40 - 200% of 198	44.3	PASS
443	17 - 23% of 442	19	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/03/12
Instrument ID:	MS-BNA3	Injection Time:	15:21
Sequence:	2K31106	Lab Sample ID:	2K31106-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	31.7	PASS
68	Less than 2% of 69	1.36	PASS
69	Less than 200% of 198	35.1	PASS
70	Less than 2% of 69	0.682	PASS
127	40 - 60% of 198	43.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.7	PASS
275	10 - 30% of 198	23	PASS
365	1 - 200% of 198	2.11	PASS
441	0.001 - 100% of 443	76.8	PASS
442	40 - 200% of 198	56.6	PASS
443	17 - 23% of 442	18.2	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/05/12
Instrument ID:	MS-BNA3	Injection Time:	14:37
Sequence:	2K31110	Lab Sample ID:	2K31110-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	35.8	PASS
68	Less than 2% of 69	0.2	PASS
69	Less than 200% of 198	40.2	PASS
70	Less than 2% of 69	0.678	PASS
127	40 - 60% of 198	45.7	PASS
197	Less than 1% of 198	0.105	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.52	PASS
275	10 - 30% of 198	23.7	PASS
365	1 - 200% of 198	2.03	PASS
441	0.001 - 100% of 443	69.6	PASS
442	40 - 200% of 198	80	PASS
443	17 - 23% of 442	21.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/05/12
Instrument ID:	MS-BNA1	Injection Time:	14:47
Sequence:	2K31204	Lab Sample ID:	2K31204-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	39.3	PASS
68	Less than 2% of 69	0.122	PASS
69	Less than 200% of 198	51	PASS
70	Less than 2% of 69	0.591	PASS
127	40 - 60% of 198	50.5	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.72	PASS
275	10 - 30% of 198	18.5	PASS
365	1 - 200% of 198	2.51	PASS
441	0.001 - 100% of 443	77	PASS
442	40 - 200% of 198	60.9	PASS
443	17 - 23% of 442	18.9	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUNE.D	Injection Date:	11/06/12
Instrument ID:	MS-BNA1	Injection Time:	02:36
Sequence:	2K31208	Lab Sample ID:	2K31208-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	38.4	PASS
68	Less than 2% of 69	0.647	PASS
69	Less than 200% of 198	51.1	PASS
70	Less than 2% of 69	0.494	PASS
127	40 - 60% of 198	49.2	PASS
197	Less than 1% of 198	0.642	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.81	PASS
275	10 - 30% of 198	19.6	PASS
365	1 - 200% of 198	2.39	PASS
441	0.001 - 100% of 443	76.6	PASS
442	40 - 200% of 198	60.1	PASS
443	17 - 23% of 442	19.3	PASS

MASS SPECTROMETER INSTRUMENT PERFORMANCE CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Lab File ID:	SEQ-TUN1.D	Injection Date:	11/06/12
Instrument ID:	MS-BNA3	Injection Time:	14:34
Sequence:	2K31410	Lab Sample ID:	2K31410-TUN1

m/z	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE	
51	30 - 60% of 198	30.5	PASS
68	Less than 2% of 69	0	PASS
69	Less than 200% of 198	34.5	PASS
70	Less than 2% of 69	0.546	PASS
127	40 - 60% of 198	41.9	PASS
197	Less than 1% of 198	0	PASS
198	Base peak, 100% relative abundance	100	PASS
199	5 - 9% of 198	6.47	PASS
275	10 - 30% of 198	24.3	PASS
365	1 - 200% of 198	2.16	PASS
441	0.001 - 100% of 443	62.3	PASS
442	40 - 200% of 198	60.4	PASS
443	17 - 23% of 442	20.2	PASS

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2I25803	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2I25803-TUN1	SEQ-TUN1.D	09/11/12 10:14
Cal Standard	2I25803-CAL1	SEQ-CAL1.D	09/11/12 10:38
Cal Standard	2I25803-CAL2	SEQ-CAL2.D	09/11/12 11:06
Cal Standard	2I25803-CAL3	SEQ-CAL3.D	09/11/12 11:34
Cal Standard	2I25803-CAL4	SEQ-CAL4.D	09/11/12 12:03
Cal Standard	2I25803-CAL5	SEQ-CAL5.D	09/11/12 12:31
Cal Standard	2I25803-CAL6	SEQ-CAL6.D	09/11/12 12:59
Cal Standard	2I25803-CAL7	SEQ-CAL7.D	09/11/12 13:27
Cal Standard	2I25803-CAL8	SEQ-CAL8.D	09/11/12 13:55
Cal Standard	2I25803-CAL9	SEQ-CAL9.D	09/11/12 14:23
Cal Standard	2I25803-CALA	SEQ-CALA.D	09/11/12 14:51
Cal Standard	2I25803-CALB	SEQ-CALB.D	09/11/12 15:20
Cal Standard	2I25803-CALC	SEQ-CALC.D	09/11/12 15:48
Cal Standard	2I25803-CALD	SEQ-CALD.D	09/11/12 16:16
Cal Standard	2I25803-CALE	SEQ-CALE.D	09/11/12 16:44
Cal Standard	2I25803-CALF	SEQ-CALF.D	09/11/12 17:11
Cal Standard	2I25803-CALG	SEQ-CALG.D	09/11/12 17:40
Initial Cal Check	2I25803-ICV1	SEQ-ICV1.D	09/11/12 18:08
Initial Cal Check	2I25803-ICV2	SEQ-ICV2.D	09/11/12 18:36
MS Tune	2I25803-TUN2	SEQ-TUN2.D	09/12/12 15:25
Initial Cal Check	2I25803-ICV3	SEQ-ICV3.D	09/12/12 15:49

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2I27213	Instrument:	MS-BNA1
Calibration:	2272005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2I27213-TUN1	SEQ-TUN1.D	09/26/12 17:40
Cal Standard	2I27213-CAL1	SEQ-CAL1.D	09/26/12 18:03
Cal Standard	2I27213-CAL2	SEQ-CAL2.D	09/26/12 18:30
Cal Standard	2I27213-CAL3	SEQ-CAL3.D	09/26/12 18:58
Cal Standard	2I27213-CAL4	SEQ-CAL4.D	09/26/12 19:25
Cal Standard	2I27213-CAL5	SEQ-CAL5.D	09/26/12 19:52
Cal Standard	2I27213-CAL6	SEQ-CAL6.D	09/26/12 20:20
Cal Standard	2I27213-CAL7	SEQ-CAL7.D	09/26/12 20:47
Cal Standard	2I27213-CAL8	SEQ-CAL8.D	09/26/12 21:14
Cal Standard	2I27213-CAL9	SEQ-CAL9.D	09/26/12 21:42
Cal Standard	2I27213-CALA	SEQ-CALA.D	09/26/12 22:09
Cal Standard	2I27213-CALB	SEQ-CALB.D	09/26/12 22:36
Cal Standard	2I27213-CALC	SEQ-CALC.D	09/26/12 23:04
Cal Standard	2I27213-CALD	SEQ-CALD.D	09/26/12 23:31
Cal Standard	2I27213-CALE	SEQ-CALE.D	09/26/12 23:59
Cal Standard	2I27213-CALF	SEQ-CALF.D	09/27/12 00:26
Cal Standard	2I27213-CALG	SEQ-CALG.D	09/27/12 00:53
Initial Cal Check	2I27213-ICV1	SEQ-ICV1.D	09/27/12 01:21
Initial Cal Check	2I27213-ICV2	SEQ-ICV2.D	09/27/12 01:48
Initial Cal Check	2I27213-ICV3	SEQ-ICV3.D	09/27/12 02:16
MS Tune	2I27213-TUN2	SEQ-TUN2.D	09/27/12 15:42
Initial Cal Check	2I27213-ICV4	SEQ-ICV4.D	09/27/12 16:07

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29718	Instrument:	MS-BNA1
Calibration:	2272005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2J29718-TUN1	SEQ-TUN1.D	10/22/12 17:53
Calibration Check	2J29718-CCV1	SEQ-CCV1.D	10/22/12 18:16
Calibration Check	2J29718-CCV2	SEQ-CCV2.D	10/22/12 18:43
Blank	2J19004-BLK1	J19004B1.D	10/22/12 19:10
LCS	2J19004-BS1	J19004L1.D	10/22/12 19:38
GW0825	1210178-11	1017811.D	10/23/12 01:59
GW0826	1210178-13	1017813.D	10/23/12 02:26
GW0827	1210178-15	1017815.D	10/23/12 02:53
GW0855	1210178-17	1017817.D	10/23/12 03:21
GW0856	1210178-19	1017819.D	10/23/12 03:48
GW0857	1210178-21	1017821.D	10/23/12 04:15
GW0861	1210178-23	1017823.D	10/23/12 04:42
GW0862	1210178-25	1017825.D	10/23/12 05:09
GW0863	1210178-27	1017827.D	10/23/12 05:36

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31016	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2K31016-TUN1	SEQ-TUN1.D	11/02/12 10:01
Calibration Check	2K31016-CCV1	SEQ-CCV1.D	11/02/12 10:25
Calibration Check	2K31016-CCV2	SEQ-CCV2.D	11/02/12 10:53
Blank	2J22003-BLK1	J22003B1.D	11/02/12 15:04
LCS	2J22003-BS1	J22003L1.D	11/02/12 15:31

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31106	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2K31106-TUN1	SEQ-TUN1.D	11/03/12 15:21
Calibration Check	2K31106-CCV1	SEQ-CCV1.D	11/03/12 15:45
Calibration Check	2K31106-CCV2	SEQ-CCV2.D	11/03/12 16:13
Blank	2J23002-BLK1	J23002B1.D	11/03/12 16:41
LCS	2J23002-BS1	J23002L1.D	11/03/12 17:08
GW0754	1210178-01	1017801.D	11/04/12 00:30
GW0808	1210178-03	1017803.D	11/04/12 00:58
GW0809	1210178-05	1017805.D	11/04/12 01:25
GW0810	1210178-07	1017807.D	11/04/12 01:52
GW0811	1210178-09	1017809.D	11/04/12 02:20
GW0754	2J23002-MS1	1017801M.D	11/04/12 02:47
GW0754	2J23002-MSD1	1017801S.D	11/04/12 03:15

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31110	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2K31110-TUN1	SEQ-TUN1.D	11/05/12 14:37
Calibration Check	2K31110-CCV1	SEQ-CCV1.D	11/05/12 15:00
Calibration Check	2K31110-CCV2	SEQ-CCV2.D	11/05/12 15:28
Blank	2J25012-BLK1	J25012B1.D	11/05/12 15:59
LCS	2J25012-BS1	J25012L1.D	11/05/12 16:26
LCS Dup	2J25012-BSD1	J25012L2.D	11/05/12 16:53
GW0774	1210200-01	1020001.D	11/05/12 22:26
GW0789	1210200-03	1020003.D	11/05/12 22:53
GW0790	1210200-05	1020005.D	11/05/12 23:21
GW0791	1210200-07	1020007.D	11/05/12 23:49
GW0854	1210200-15	1020015.D	11/06/12 00:16

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31204	Instrument:	MS-BNA1
Calibration:	2272005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2K31204-TUN1	SEQ-TUN1.D	11/05/12 14:47
Calibration Check	2K31204-CCV1	SEQ-CCV1.D	11/05/12 15:09
Calibration Check	2K31204-CCV2	SEQ-CCV2.D	11/05/12 15:36
Blank	2J24003-BLK1	J24003B1.D	11/05/12 20:44
LCS	2J24003-BS1	J24003L1.D	11/05/12 21:11

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31208	Instrument:	MS-BNA1
Calibration:	2272005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2K31208-TUN1	SEQ-TUNE.D	11/06/12 02:36
Calibration Check	2K31208-CCV1	SEQ-CCV3.D	11/06/12 02:59
Calibration Check	2K31208-CCV2	SEQ-CCV4.D	11/06/12 03:26
GW0799	1210200-09	1020009.D	11/06/12 05:14
GW0800	1210200-11	1020011.D	11/06/12 05:41
GW0801	1210200-13	1020013.D	11/06/12 06:09
GW0864	1210200-17	1020017.D	11/06/12 06:36
GW0865	1210200-19	1020019.D	11/06/12 07:03
GW0866	1210200-21	1020021.D	11/06/12 07:30

ANALYSIS SEQUENCE SUMMARY

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31410	Instrument:	MS-BNA3
Calibration:	2261001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
MS Tune	2K31410-TUN1	SEQ-TUN1.D	11/06/12 14:34
Calibration Check	2K31410-CCV1	SEQ-CCV1.D	11/06/12 14:58
Calibration Check	2K31410-CCV2	SEQ-CCV2.D	11/06/12 15:25
GW0867	1210200-23	1020023.D	11/06/12 18:38

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29718	Instrument:	MS-BNA1
		Calibration:	2272005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2J29718-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 10/22/12 18:16			
1,4-Dichlorobenzene-d4	394643	4.865	618251	4.91	64	50 - 200	-0.0450	+/-0.50	
Naphthalene-d8	1575391	6.578	2241342	6.627	70	50 - 200	-0.0490	+/-0.50	
Acenaphthene-d10	854978	8.828	1140029	8.878	75	50 - 200	-0.0500	+/-0.50	
Phenanthrene-d10	1488562	10.605	2018387	10.66	74	50 - 200	-0.0550	+/-0.50	
Chrysene-d12	1278635	13.853	1657109	13.914	77	50 - 200	-0.0610	+/-0.50	
Perylene-d12	1268619	15.922	1567256	15.995	81	50 - 200	-0.0730	+/-0.50	
Calibration Check (2J29718-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 10/22/12 18:43			
1,4-Dichlorobenzene-d4	460612	4.863	394643	4.865	117	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1771465	6.574	1575391	6.578	112	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	960819	8.822	854978	8.828	112	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1707539	10.609	1488562	10.605	115	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1489780	13.849	1278635	13.853	117	50 - 200	-0.0040	+/-0.50	
Perylene-d12	1524724	15.92	1268619	15.922	120	50 - 200	-0.0020	+/-0.50	
Blank (2J19004-BLK1)			Lab File ID: J19004B1.D			Analyzed: 10/22/12 19:10			
1,4-Dichlorobenzene-d4	388902	4.864	394643	4.865	99	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1550446	6.574	1575391	6.578	98	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	808392	8.822	854978	8.828	95	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	1459156	10.603	1488562	10.605	98	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1292553	13.852	1278635	13.853	101	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1271546	15.92	1268619	15.922	100	50 - 200	-0.0020	+/-0.50	
LCS (2J19004-BS1)			Lab File ID: J19004L1.D			Analyzed: 10/22/12 19:38			
1,4-Dichlorobenzene-d4	373670	4.864	394643	4.865	95	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1518862	6.575	1575391	6.578	96	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	802660	8.827	854978	8.828	94	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1384315	10.612	1488562	10.605	93	50 - 200	0.0070	+/-0.50	
Chrysene-d12	1228092	13.854	1278635	13.853	96	50 - 200	0.0010	+/-0.50	
Perylene-d12	1203122	15.924	1268619	15.922	95	50 - 200	0.0020	+/-0.50	
GW0825 (1210178-11)			Lab File ID: 1017811.D			Analyzed: 10/23/12 01:59			
1,4-Dichlorobenzene-d4	409714	4.863	394643	4.865	104	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	1642530	6.575	1575391	6.578	104	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	885612	8.821	854978	8.828	104	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1510172	10.605	1488562	10.605	101	50 - 200	0.0000	+/-0.50	
Chrysene-d12	1378535	13.853	1278635	13.853	108	50 - 200	0.0000	+/-0.50	
Perylene-d12	1381118	15.918	1268619	15.922	109	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29718	Instrument:	MS-BNA1
		Calibration:	2272005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0826 (1210178-13)			Lab File ID: 1017813.D			Analyzed: 10/23/12 02:26			
1,4-Dichlorobenzene-d4	403305	4.862	394643	4.865	102	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1603936	6.573	1575391	6.578	102	50 - 200	-0.0050	+/-0.50	
Acenaphthene-d10	854054	8.823	854978	8.828	100	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1497928	10.603	1488562	10.605	101	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1260032	13.853	1278635	13.853	99	50 - 200	0.0000	+/-0.50	
Perylene-d12	1221461	15.915	1268619	15.922	96	50 - 200	-0.0070	+/-0.50	
GW0827 (1210178-15)			Lab File ID: 1017815.D			Analyzed: 10/23/12 02:53			
1,4-Dichlorobenzene-d4	449872	4.858	394643	4.865	114	50 - 200	-0.0070	+/-0.50	
Naphthalene-d8	1715232	6.572	1575391	6.578	109	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	938272	8.821	854978	8.828	110	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1670614	10.602	1488562	10.605	112	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1495599	13.848	1278635	13.853	117	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1494255	15.913	1268619	15.922	118	50 - 200	-0.0090	+/-0.50	
GW0855 (1210178-17)			Lab File ID: 1017817.D			Analyzed: 10/23/12 03:21			
1,4-Dichlorobenzene-d4	426722	4.862	394643	4.865	108	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1752415	6.574	1575391	6.578	111	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	923761	8.823	854978	8.828	108	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1565872	10.602	1488562	10.605	105	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1393516	13.85	1278635	13.853	109	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1369271	15.92	1268619	15.922	108	50 - 200	-0.0020	+/-0.50	
GW0856 (1210178-19)			Lab File ID: 1017819.D			Analyzed: 10/23/12 03:48			
1,4-Dichlorobenzene-d4	480784	4.864	394643	4.865	122	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1916463	6.574	1575391	6.578	122	50 - 200	-0.0040	+/-0.50	
Acenaphthene-d10	1017586	8.823	854978	8.828	119	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	1778527	10.603	1488562	10.605	119	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1547841	13.854	1278635	13.853	121	50 - 200	0.0010	+/-0.50	
Perylene-d12	1513013	15.92	1268619	15.922	119	50 - 200	-0.0020	+/-0.50	
GW0857 (1210178-21)			Lab File ID: 1017821.D			Analyzed: 10/23/12 04:15			
1,4-Dichlorobenzene-d4	498245	4.864	394643	4.865	126	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	1932871	6.575	1575391	6.578	123	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1057335	8.824	854978	8.828	124	50 - 200	-0.0040	+/-0.50	
Phenanthrene-d10	1790730	10.604	1488562	10.605	120	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1481465	13.848	1278635	13.853	116	50 - 200	-0.0050	+/-0.50	
Perylene-d12	1493180	15.919	1268619	15.922	118	50 - 200	-0.0030	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29718	Instrument:	MS-BNA1
		Calibration:	2272005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0861 (1210178-23)			Lab File ID: 1017823.D			Analyzed: 10/23/12 04:42			
1,4-Dichlorobenzene-d4	449091	4.862	394643	4.865	114	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1797196	6.572	1575391	6.578	114	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	962374	8.821	854978	8.828	113	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	1681440	10.609	1488562	10.605	113	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1444632	13.851	1278635	13.853	113	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1386897	15.918	1268619	15.922	109	50 - 200	-0.0040	+/-0.50	
GW0862 (1210178-25)			Lab File ID: 1017825.D			Analyzed: 10/23/12 05:09			
1,4-Dichlorobenzene-d4	482744	4.861	394643	4.865	122	50 - 200	-0.0040	+/-0.50	
Naphthalene-d8	1955012	6.57	1575391	6.578	124	50 - 200	-0.0080	+/-0.50	
Acenaphthene-d10	1020454	8.828	854978	8.828	119	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	1773441	10.606	1488562	10.605	119	50 - 200	0.0010	+/-0.50	
Chrysene-d12	1572155	13.851	1278635	13.853	123	50 - 200	-0.0020	+/-0.50	
Perylene-d12	1517358	15.922	1268619	15.922	120	50 - 200	0.0000	+/-0.50	
GW0863 (1210178-27)			Lab File ID: 1017827.D			Analyzed: 10/23/12 05:36			
1,4-Dichlorobenzene-d4	456082	4.862	394643	4.865	116	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	1853455	6.572	1575391	6.578	118	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1020954	8.819	854978	8.828	119	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	1674677	10.607	1488562	10.605	113	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1466232	13.845	1278635	13.853	115	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1441602	15.914	1268619	15.922	114	50 - 200	-0.0080	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31016	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2K31016-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 11/02/12 10:25			
1,4-Dichlorobenzene-d4	716384	5.529	692783	5.592	103	50 - 200	-0.0630	+/-0.50	
Naphthalene-d8	2449597	7.206	2409624	7.268	102	50 - 200	-0.0620	+/-0.50	
Acenaphthene-d10	1565994	9.452	1479598	9.504	106	50 - 200	-0.0520	+/-0.50	
Phenanthrene-d10	2470211	11.242	2454205	11.305	101	50 - 200	-0.0630	+/-0.50	
Chrysene-d12	2482444	14.544	2419622	14.71	103	50 - 200	-0.1660	+/-0.50	
Perylene-d12	2581298	16.655	2394332	16.987	108	50 - 200	-0.3320	+/-0.50	
Calibration Check (2K31016-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 11/02/12 10:53			
1,4-Dichlorobenzene-d4	649208	5.531	716384	5.529	91	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2302037	7.208	2449597	7.206	94	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1468473	9.443	1565994	9.452	94	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2314358	11.244	2470211	11.242	94	50 - 200	0.0020	+/-0.50	
Chrysene-d12	2360850	14.546	2482444	14.544	95	50 - 200	0.0020	+/-0.50	
Perylene-d12	2557600	16.647	2581298	16.655	99	50 - 200	-0.0080	+/-0.50	
Blank (2J22003-BLK1)			Lab File ID: J22003B1.D			Analyzed: 11/02/12 15:04			
1,4-Dichlorobenzene-d4	728773	5.529	716384	5.529	102	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2486678	7.206	2449597	7.206	102	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1567916	9.441	1565994	9.452	100	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	2327630	11.242	2470211	11.242	94	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2235640	14.544	2482444	14.544	90	50 - 200	0.0000	+/-0.50	
Perylene-d12	2266698	16.645	2581298	16.655	88	50 - 200	-0.0100	+/-0.50	
LCS (2J22003-BS1)			Lab File ID: J22003L1.D			Analyzed: 11/02/12 15:31			
1,4-Dichlorobenzene-d4	644935	5.529	716384	5.529	90	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2206943	7.206	2449597	7.206	90	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1356182	9.441	1565994	9.452	87	50 - 200	-0.0110	+/-0.50	
Phenanthrene-d10	2079039	11.242	2470211	11.242	84	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2012669	14.544	2482444	14.544	81	50 - 200	0.0000	+/-0.50	
Perylene-d12	2043597	16.655	2581298	16.655	79	50 - 200	0.0000	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31106	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2K31106-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 11/03/12 15:45			
1,4-Dichlorobenzene-d4	578233	5.531	692783	5.592	83	50 - 200	-0.0610	+/-0.50	
Naphthalene-d8	2097066	7.208	2409624	7.268	87	50 - 200	-0.0600	+/-0.50	
Acenaphthene-d10	1326992	9.443	1479598	9.504	90	50 - 200	-0.0610	+/-0.50	
Phenanthrene-d10	2091424	11.244	2454205	11.305	85	50 - 200	-0.0610	+/-0.50	
Chrysene-d12	2127128	14.546	2419622	14.71	88	50 - 200	-0.1640	+/-0.50	
Perylene-d12	2257040	16.647	2394332	16.987	94	50 - 200	-0.3400	+/-0.50	
Calibration Check (2K31106-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 11/03/12 16:13			
1,4-Dichlorobenzene-d4	563974	5.53	578233	5.531	98	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2039576	7.207	2097066	7.208	97	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1295017	9.443	1326992	9.443	98	50 - 200	0.0000	+/-0.50	
Phenanthrene-d10	2065190	11.244	2091424	11.244	99	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2110590	14.545	2127128	14.546	99	50 - 200	-0.0010	+/-0.50	
Perylene-d12	2263464	16.646	2257040	16.647	100	50 - 200	-0.0010	+/-0.50	
Blank (2J23002-BLK1)			Lab File ID: J23002B1.D			Analyzed: 11/03/12 16:41			
1,4-Dichlorobenzene-d4	621789	5.532	578233	5.531	108	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2204265	7.199	2097066	7.208	105	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1393044	9.445	1326992	9.443	105	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	2216496	11.245	2091424	11.244	106	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2278329	14.547	2127128	14.546	107	50 - 200	0.0010	+/-0.50	
Perylene-d12	2414615	16.648	2257040	16.647	107	50 - 200	0.0010	+/-0.50	
LCS (2J23002-BS1)			Lab File ID: J23002L1.D			Analyzed: 11/03/12 17:08			
1,4-Dichlorobenzene-d4	610886	5.532	578233	5.531	106	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2198344	7.208	2097066	7.208	105	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1387758	9.444	1326992	9.443	105	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2196709	11.245	2091424	11.244	105	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2237582	14.547	2127128	14.546	105	50 - 200	0.0010	+/-0.50	
Perylene-d12	2373103	16.648	2257040	16.647	105	50 - 200	0.0010	+/-0.50	
GW0754 (1210178-01)			Lab File ID: 1017801.D			Analyzed: 11/04/12 00:30			
1,4-Dichlorobenzene-d4	571783	5.53	578233	5.531	99	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2077249	7.206	2097066	7.208	99	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1354940	9.442	1326992	9.443	102	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2072513	11.243	2091424	11.244	99	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2124298	14.545	2127128	14.546	100	50 - 200	-0.0010	+/-0.50	
Perylene-d12	2259895	16.646	2257040	16.647	100	50 - 200	-0.0010	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31106	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0808 (1210178-03)			Lab File ID: 1017803.D			Analyzed: 11/04/12 00:58			
1,4-Dichlorobenzene-d4	598489	5.532	578233	5.531	104	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2157984	7.199	2097066	7.208	103	50 - 200	-0.0090	+/-0.50	
Acenaphthene-d10	1386580	9.445	1326992	9.443	104	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	2164078	11.246	2091424	11.244	103	50 - 200	0.0020	+/-0.50	
Chrysene-d12	2224505	14.547	2127128	14.546	105	50 - 200	0.0010	+/-0.50	
Perylene-d12	2320045	16.648	2257040	16.647	103	50 - 200	0.0010	+/-0.50	
GW0809 (1210178-05)			Lab File ID: 1017805.D			Analyzed: 11/04/12 01:25			
1,4-Dichlorobenzene-d4	566646	5.53	578233	5.531	98	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2056801	7.207	2097066	7.208	98	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1327558	9.442	1326992	9.443	100	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2076957	11.243	2091424	11.244	99	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2103956	14.545	2127128	14.546	99	50 - 200	-0.0010	+/-0.50	
Perylene-d12	2212973	16.646	2257040	16.647	98	50 - 200	-0.0010	+/-0.50	
GW0810 (1210178-07)			Lab File ID: 1017807.D			Analyzed: 11/04/12 01:52			
1,4-Dichlorobenzene-d4	591910	5.53	578233	5.531	102	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2123169	7.206	2097066	7.208	101	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1359663	9.442	1326992	9.443	102	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2117139	11.243	2091424	11.244	101	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2155384	14.545	2127128	14.546	101	50 - 200	-0.0010	+/-0.50	
Perylene-d12	2269983	16.646	2257040	16.647	101	50 - 200	-0.0010	+/-0.50	
GW0811 (1210178-09)			Lab File ID: 1017809.D			Analyzed: 11/04/12 02:20			
1,4-Dichlorobenzene-d4	577326	5.53	578233	5.531	100	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2067706	7.207	2097066	7.208	99	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1330174	9.442	1326992	9.443	100	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2060808	11.243	2091424	11.244	99	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2072207	14.545	2127128	14.546	97	50 - 200	-0.0010	+/-0.50	
Perylene-d12	2179056	16.646	2257040	16.647	97	50 - 200	-0.0010	+/-0.50	
Matrix Spike (2J23002-MS1)			Lab File ID: 1017801M.D			Analyzed: 11/04/12 02:47			
1,4-Dichlorobenzene-d4	639568	5.529	578233	5.531	111	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2258895	7.206	2097066	7.208	108	50 - 200	-0.0020	+/-0.50	
Acenaphthene-d10	1445833	9.442	1326992	9.443	109	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	2229397	11.243	2091424	11.244	107	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	2267393	14.544	2127128	14.546	107	50 - 200	-0.0020	+/-0.50	
Perylene-d12	2384762	16.645	2257040	16.647	106	50 - 200	-0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31106	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Matrix Spike Dup (2J23002-MSD1)			Lab File ID: 1017801S.D			Analyzed: 11/04/12 03:15			
1,4-Dichlorobenzene-d4	704214	5.532	578233	5.531	122	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2470315	7.209	2097066	7.208	118	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1545605	9.445	1326992	9.443	116	50 - 200	0.0020	+/-0.50	
Phenanthrene-d10	2423499	11.246	2091424	11.244	116	50 - 200	0.0020	+/-0.50	
Chrysene-d12	2447542	14.547	2127128	14.546	115	50 - 200	0.0010	+/-0.50	
Perylene-d12	2606742	16.649	2257040	16.647	115	50 - 200	0.0020	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31110	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2K31110-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 11/05/12 15:00			
1,4-Dichlorobenzene-d4	573692	5.529	692783	5.592	83	50 - 200	-0.0630	+/-0.50	
Naphthalene-d8	2113687	7.205	2409624	7.268	88	50 - 200	-0.0630	+/-0.50	
Acenaphthene-d10	1346821	9.451	1479598	9.504	91	50 - 200	-0.0530	+/-0.50	
Phenanthrene-d10	2159908	11.242	2454205	11.305	88	50 - 200	-0.0630	+/-0.50	
Chrysene-d12	2188277	14.543	2419622	14.71	90	50 - 200	-0.1670	+/-0.50	
Perylene-d12	2275823	16.655	2394332	16.987	95	50 - 200	-0.3320	+/-0.50	
Calibration Check (2K31110-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 11/05/12 15:28			
1,4-Dichlorobenzene-d4	566385	5.531	573692	5.529	99	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2071790	7.198	2113687	7.205	98	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1340584	9.444	1346821	9.451	100	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2091155	11.245	2159908	11.242	97	50 - 200	0.0030	+/-0.50	
Chrysene-d12	2117957	14.546	2188277	14.543	97	50 - 200	0.0030	+/-0.50	
Perylene-d12	2230423	16.647	2275823	16.655	98	50 - 200	-0.0080	+/-0.50	
Blank (2J25012-BLK1)			Lab File ID: J25012B1.D			Analyzed: 11/05/12 15:59			
1,4-Dichlorobenzene-d4	584834	5.53	573692	5.529	102	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2045373	7.207	2113687	7.205	97	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1324575	9.442	1346821	9.451	98	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2048928	11.243	2159908	11.242	95	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2103811	14.545	2188277	14.543	96	50 - 200	0.0020	+/-0.50	
Perylene-d12	2192194	16.646	2275823	16.655	96	50 - 200	-0.0090	+/-0.50	
LCS (2J25012-BS1)			Lab File ID: J25012L1.D			Analyzed: 11/05/12 16:26			
1,4-Dichlorobenzene-d4	613737	5.529	573692	5.529	107	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2137647	7.205	2113687	7.205	101	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1352406	9.441	1346821	9.451	100	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	2160698	11.242	2159908	11.242	100	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2202329	14.544	2188277	14.543	101	50 - 200	0.0010	+/-0.50	
Perylene-d12	2322883	16.645	2275823	16.655	102	50 - 200	-0.0100	+/-0.50	
LCS Dup (2J25012-BSD1)			Lab File ID: J25012L2.D			Analyzed: 11/05/12 16:53			
1,4-Dichlorobenzene-d4	592701	5.529	573692	5.529	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2114893	7.205	2113687	7.205	100	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1361822	9.441	1346821	9.451	101	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	2121682	11.242	2159908	11.242	98	50 - 200	0.0000	+/-0.50	
Chrysene-d12	2162735	14.543	2188277	14.543	99	50 - 200	0.0000	+/-0.50	
Perylene-d12	2196280	16.645	2275823	16.655	97	50 - 200	-0.0100	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31110	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0774 (1210200-01)			Lab File ID: 1020001.D			Analyzed: 11/05/12 22:26			
1,4-Dichlorobenzene-d4	587406	5.531	573692	5.529	102	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2092735	7.198	2113687	7.205	99	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1344417	9.444	1346821	9.451	100	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2104108	11.245	2159908	11.242	97	50 - 200	0.0030	+/-0.50	
Chrysene-d12	2137710	14.546	2188277	14.543	98	50 - 200	0.0030	+/-0.50	
Perylene-d12	2241354	16.647	2275823	16.655	98	50 - 200	-0.0080	+/-0.50	
GW0789 (1210200-03)			Lab File ID: 1020003.D			Analyzed: 11/05/12 22:53			
1,4-Dichlorobenzene-d4	624299	5.533	573692	5.529	109	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2196175	7.199	2113687	7.205	104	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1407617	9.445	1346821	9.451	105	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2180965	11.246	2159908	11.242	101	50 - 200	0.0040	+/-0.50	
Chrysene-d12	2241376	14.548	2188277	14.543	102	50 - 200	0.0050	+/-0.50	
Perylene-d12	2288032	16.649	2275823	16.655	101	50 - 200	-0.0060	+/-0.50	
GW0790 (1210200-05)			Lab File ID: 1020005.D			Analyzed: 11/05/12 23:21			
1,4-Dichlorobenzene-d4	593341	5.529	573692	5.529	103	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2170668	7.206	2113687	7.205	103	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1378675	9.442	1346821	9.451	102	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2121647	11.243	2159908	11.242	98	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2174283	14.544	2188277	14.543	99	50 - 200	0.0010	+/-0.50	
Perylene-d12	2265956	16.645	2275823	16.655	100	50 - 200	-0.0100	+/-0.50	
GW0791 (1210200-07)			Lab File ID: 1020007.D			Analyzed: 11/05/12 23:49			
1,4-Dichlorobenzene-d4	610455	5.533	573692	5.529	106	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2193476	7.199	2113687	7.205	104	50 - 200	-0.0060	+/-0.50	
Acenaphthene-d10	1401292	9.445	1346821	9.451	104	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2190841	11.246	2159908	11.242	101	50 - 200	0.0040	+/-0.50	
Chrysene-d12	2202621	14.548	2188277	14.543	101	50 - 200	0.0050	+/-0.50	
Perylene-d12	2266274	16.649	2275823	16.655	100	50 - 200	-0.0060	+/-0.50	
GW0854 (1210200-15)			Lab File ID: 1020015.D			Analyzed: 11/06/12 00:16			
1,4-Dichlorobenzene-d4	597151	5.529	573692	5.529	104	50 - 200	0.0000	+/-0.50	
Naphthalene-d8	2162773	7.206	2113687	7.205	102	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1369473	9.442	1346821	9.451	102	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2110389	11.243	2159908	11.242	98	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2152405	14.544	2188277	14.543	98	50 - 200	0.0010	+/-0.50	
Perylene-d12	2276007	16.646	2275823	16.655	100	50 - 200	-0.0090	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31204	Instrument:	MS-BNA1
		Calibration:	2272005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2K31204-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 11/05/12 15:09			
1,4-Dichlorobenzene-d4	467247	4.851	618251	4.91	76	50 - 200	-0.0590	+/-0.50	
Naphthalene-d8	1989276	6.566	2241342	6.627	89	50 - 200	-0.0610	+/-0.50	
Acenaphthene-d10	1053504	8.816	1140029	8.878	92	50 - 200	-0.0620	+/-0.50	
Phenanthrene-d10	1958917	10.598	2018387	10.66	97	50 - 200	-0.0620	+/-0.50	
Chrysene-d12	1686977	13.848	1657109	13.914	102	50 - 200	-0.0660	+/-0.50	
Perylene-d12	1646084	15.907	1567256	15.995	105	50 - 200	-0.0880	+/-0.50	
Calibration Check (2K31204-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 11/05/12 15:36			
1,4-Dichlorobenzene-d4	482572	4.853	467247	4.851	103	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1969720	6.563	1989276	6.566	99	50 - 200	-0.0030	+/-0.50	
Acenaphthene-d10	1106110	8.82	1053504	8.816	105	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	1888145	10.6	1958917	10.598	96	50 - 200	0.0020	+/-0.50	
Chrysene-d12	1592259	13.836	1686977	13.848	94	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1689990	15.902	1646084	15.907	103	50 - 200	-0.0050	+/-0.50	
Blank (2J24003-BLK1)			Lab File ID: J24003B1.D			Analyzed: 11/05/12 20:44			
1,4-Dichlorobenzene-d4	486340	4.854	467247	4.851	104	50 - 200	0.0030	+/-0.50	
Naphthalene-d8	1910410	6.565	1989276	6.566	96	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1066314	8.815	1053504	8.816	101	50 - 200	-0.0010	+/-0.50	
Phenanthrene-d10	1765081	10.602	1958917	10.598	90	50 - 200	0.0040	+/-0.50	
Chrysene-d12	1584970	13.845	1686977	13.848	94	50 - 200	-0.0030	+/-0.50	
Perylene-d12	1473256	15.9	1646084	15.907	90	50 - 200	-0.0070	+/-0.50	
LCS (2J24003-BS1)			Lab File ID: J24003L1.D			Analyzed: 11/05/12 21:11			
1,4-Dichlorobenzene-d4	469994	4.853	467247	4.851	101	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	1829423	6.565	1989276	6.566	92	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1026163	8.814	1053504	8.816	97	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	1711872	10.603	1958917	10.598	87	50 - 200	0.0050	+/-0.50	
Chrysene-d12	1470987	13.847	1686977	13.848	87	50 - 200	-0.0010	+/-0.50	
Perylene-d12	1435390	15.902	1646084	15.907	87	50 - 200	-0.0050	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31208	Instrument:	MS-BNA1
		Calibration:	2272005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2K31208-CCV1)			Lab File ID: SEQ-CCV3.D			Analyzed: 11/06/12 02:59			
1,4-Dichlorobenzene-d4	598442	4.853	618251	4.91	97	50 - 200	-0.0570	+/-0.50	
Naphthalene-d8	2400982	6.564	2241342	6.627	107	50 - 200	-0.0630	+/-0.50	
Acenaphthene-d10	1264264	8.822	1140029	8.878	111	50 - 200	-0.0560	+/-0.50	
Phenanthrene-d10	2201306	10.602	2018387	10.66	109	50 - 200	-0.0580	+/-0.50	
Chrysene-d12	1855271	13.85	1657109	13.914	112	50 - 200	-0.0640	+/-0.50	
Perylene-d12	1772745	15.905	1567256	15.995	113	50 - 200	-0.0900	+/-0.50	
Calibration Check (2K31208-CCV2)			Lab File ID: SEQ-CCV4.D			Analyzed: 11/06/12 03:26			
1,4-Dichlorobenzene-d4	580726	4.85	598442	4.853	97	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2386300	6.571	2400982	6.564	99	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	1277735	8.82	1264264	8.822	101	50 - 200	-0.0020	+/-0.50	
Phenanthrene-d10	2115688	10.599	2201306	10.602	96	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1860948	13.837	1855271	13.85	100	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1851969	15.908	1772745	15.905	104	50 - 200	0.0030	+/-0.50	
GW0799 (1210200-09)			Lab File ID: 1020009.D			Analyzed: 11/06/12 05:14			
1,4-Dichlorobenzene-d4	542548	4.852	598442	4.853	91	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2196832	6.564	2400982	6.564	91	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1162257	8.813	1264264	8.822	92	50 - 200	-0.0090	+/-0.50	
Phenanthrene-d10	2011920	10.601	2201306	10.602	91	50 - 200	-0.0010	+/-0.50	
Chrysene-d12	1701625	13.843	1855271	13.85	92	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1649307	15.902	1772745	15.905	93	50 - 200	-0.0030	+/-0.50	
GW0800 (1210200-11)			Lab File ID: 1020011.D			Analyzed: 11/06/12 05:41			
1,4-Dichlorobenzene-d4	590637	4.851	598442	4.853	99	50 - 200	-0.0020	+/-0.50	
Naphthalene-d8	2478653	6.571	2400982	6.564	103	50 - 200	0.0070	+/-0.50	
Acenaphthene-d10	1259853	8.819	1264264	8.822	100	50 - 200	-0.0030	+/-0.50	
Phenanthrene-d10	2049134	10.597	2201306	10.602	93	50 - 200	-0.0050	+/-0.50	
Chrysene-d12	1822506	13.838	1855271	13.85	98	50 - 200	-0.0120	+/-0.50	
Perylene-d12	1725461	15.906	1772745	15.905	97	50 - 200	0.0010	+/-0.50	
GW0801 (1210200-13)			Lab File ID: 1020013.D			Analyzed: 11/06/12 06:09			
1,4-Dichlorobenzene-d4	590388	4.855	598442	4.853	99	50 - 200	0.0020	+/-0.50	
Naphthalene-d8	2394410	6.565	2400982	6.564	100	50 - 200	0.0010	+/-0.50	
Acenaphthene-d10	1257439	8.816	1264264	8.822	99	50 - 200	-0.0060	+/-0.50	
Phenanthrene-d10	2141901	10.596	2201306	10.602	97	50 - 200	-0.0060	+/-0.50	
Chrysene-d12	1798294	13.837	1855271	13.85	97	50 - 200	-0.0130	+/-0.50	
Perylene-d12	1680088	15.909	1772745	15.905	95	50 - 200	0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31208	Instrument:	MS-BNA1
		Calibration:	2272005

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
GW0864 (1210200-17)			Lab File ID: 1020017.D			Analyzed: 11/06/12 06:36			
1,4-Dichlorobenzene-d4	597289	4.85	598442	4.853	100	50 - 200	-0.0030	+/-0.50	
Naphthalene-d8	2269466	6.569	2400982	6.564	95	50 - 200	0.0050	+/-0.50	
Acenaphthene-d10	1256034	8.817	1264264	8.822	99	50 - 200	-0.0050	+/-0.50	
Phenanthrene-d10	2060124	10.599	2201306	10.602	94	50 - 200	-0.0030	+/-0.50	
Chrysene-d12	1810353	13.84	1855271	13.85	98	50 - 200	-0.0100	+/-0.50	
Perylene-d12	1745264	15.903	1772745	15.905	98	50 - 200	-0.0020	+/-0.50	
GW0865 (1210200-19)			Lab File ID: 1020019.D			Analyzed: 11/06/12 07:03			
1,4-Dichlorobenzene-d4	581115	4.852	598442	4.853	97	50 - 200	-0.0010	+/-0.50	
Naphthalene-d8	2274663	6.563	2400982	6.564	95	50 - 200	-0.0010	+/-0.50	
Acenaphthene-d10	1269689	8.812	1264264	8.822	100	50 - 200	-0.0100	+/-0.50	
Phenanthrene-d10	2091981	10.6	2201306	10.602	95	50 - 200	-0.0020	+/-0.50	
Chrysene-d12	1814074	13.842	1855271	13.85	98	50 - 200	-0.0080	+/-0.50	
Perylene-d12	1714986	15.9	1772745	15.905	97	50 - 200	-0.0050	+/-0.50	
GW0866 (1210200-21)			Lab File ID: 1020021.D			Analyzed: 11/06/12 07:30			
1,4-Dichlorobenzene-d4	594074	4.854	598442	4.853	99	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2512401	6.566	2400982	6.564	105	50 - 200	0.0020	+/-0.50	
Acenaphthene-d10	1260994	8.815	1264264	8.822	100	50 - 200	-0.0070	+/-0.50	
Phenanthrene-d10	2100684	10.598	2201306	10.602	95	50 - 200	-0.0040	+/-0.50	
Chrysene-d12	1852410	13.843	1855271	13.85	100	50 - 200	-0.0070	+/-0.50	
Perylene-d12	1688036	15.901	1772745	15.905	95	50 - 200	-0.0040	+/-0.50	

INTERNAL STANDARD AREA AND RT SUMMARY
SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31410	Instrument:	MS-BNA3
		Calibration:	2261001

Internal Standard	Response	RT	Reference Response	Reference RT	Area %	Area % Limits	RT Diff	RT Diff Limit	Q
Calibration Check (2K31410-CCV1)			Lab File ID: SEQ-CCV1.D			Analyzed: 11/06/12 14:58			
1,4-Dichlorobenzene-d4	602556	5.529	692783	5.592	87	50 - 200	-0.0630	+/-0.50	
Naphthalene-d8	2126346	7.206	2409624	7.268	88	50 - 200	-0.0620	+/-0.50	
Acenaphthene-d10	1370681	9.441	1479598	9.504	93	50 - 200	-0.0630	+/-0.50	
Phenanthrene-d10	2168635	11.242	2454205	11.305	88	50 - 200	-0.0630	+/-0.50	
Chrysene-d12	2192590	14.544	2419622	14.71	91	50 - 200	-0.1660	+/-0.50	
Perylene-d12	2285727	16.655	2394332	16.987	95	50 - 200	-0.3320	+/-0.50	
Calibration Check (2K31410-CCV2)			Lab File ID: SEQ-CCV2.D			Analyzed: 11/06/12 15:25			
1,4-Dichlorobenzene-d4	571624	5.533	602556	5.529	95	50 - 200	0.0040	+/-0.50	
Naphthalene-d8	2045415	7.199	2126346	7.206	96	50 - 200	-0.0070	+/-0.50	
Acenaphthene-d10	1342062	9.445	1370681	9.441	98	50 - 200	0.0040	+/-0.50	
Phenanthrene-d10	2099966	11.246	2168635	11.242	97	50 - 200	0.0040	+/-0.50	
Chrysene-d12	2114395	14.548	2192590	14.544	96	50 - 200	0.0040	+/-0.50	
Perylene-d12	2170065	16.649	2285727	16.655	95	50 - 200	-0.0060	+/-0.50	
GW0867 (1210200-23)			Lab File ID: 1020023.D			Analyzed: 11/06/12 18:38			
1,4-Dichlorobenzene-d4	618214	5.53	602556	5.529	103	50 - 200	0.0010	+/-0.50	
Naphthalene-d8	2217625	7.206	2126346	7.206	104	50 - 200	0.0000	+/-0.50	
Acenaphthene-d10	1456112	9.442	1370681	9.441	106	50 - 200	0.0010	+/-0.50	
Phenanthrene-d10	2240629	11.243	2168635	11.242	103	50 - 200	0.0010	+/-0.50	
Chrysene-d12	2264338	14.545	2192590	14.544	103	50 - 200	0.0010	+/-0.50	
Perylene-d12	2371785	16.646	2285727	16.655	104	50 - 200	-0.0090	+/-0.50	

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12 10:38 9/11/12 17:40

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	5	1.226402	10	1.172004	20	1.216724	40	1.106133	50	1.105635	60	1.066451
Acenaphthylene	5	1.882626	10	1.825223	20	1.853268	40	1.686654	50	1.630586	60	1.58258
Acetophenone												
Aniline	5	2.075085	10	2.083071	20	2.115921	40	2.012055	50	1.981178	60	1.922491
Anthracene	5	1.190117	10	1.216677	20	1.210592	40	1.133693	50	1.074923	60	1.027613
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.07808	10	1.158464	20	1.187972	40	1.125607	50	1.111216	60	1.080801
Benzo(a)pyrene	5	0.8969984	10	0.988024	20	1.053969	40	1.082485	50	1.050188	60	1.047536
Benzo(b)fluoranthene	5	0.9192774	10	0.9995984	20	1.027394	40	1.163507	50	1.151156	60	1.102624
Benzo(g,h,i)perylene	5	0.8810196	10	0.9354534	20	1.023945	40	1.041762	50	1.031788	60	1.025219
Benzoic acid	5	0.1800138	10	0.1971305	20	0.2320922	40	0.2667048	50	0.3038777	60	0.2934733
Benzo(k)fluoranthene	5	1.385345	10	1.389508	20	1.50509	40	1.294027	50	1.247302	60	1.255501
Benzyl alcohol	5	0.7723651	10	0.8400763	20	0.84085	40	0.8585047	50	0.855408	60	0.8444593
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.2285879	10	0.242289	20	0.2441512	40	0.2392219	50	0.2372267	60	0.2395644
Butylbenzylphthalate	5	0.4630096	10	0.4944857	20	0.5607301	40	0.557858	50	0.5631426	60	0.5528675
Caprolactam												
Carbazole	5	1.067151	10	1.166965	20	1.142299	40	1.080385	50	1.01809	60	0.9924129
4-Chloro-3-methylphenol	5	0.2949249	10	0.3240161	20	0.3402999	40	0.3358677	50	0.3333448	60	0.3279835
4-Chloroaniline	5	0.437418	10	0.4487067	20	0.4701531	40	0.4455991	50	0.4474384	60	0.4368809
Bis(2-chloroethoxy)methane	5	0.4529439	10	0.460763	20	0.4579347	40	0.437325	50	0.43609	60	0.4299759
Bis(2-chloroethyl)ether	5	1.311057	10	1.320356	20	1.353769	40	1.299644	50	1.303123	60	1.255375
2,2'-Oxybis-1-chloropropane	5	1.751597	10	1.7475	20	1.739639	40	1.678201	50	1.686332	60	1.618641
2-Chloronaphthalene	5	1.195427	10	1.175982	20	1.194056	40	1.110827	50	1.115289	60	1.070192
2-Chlorophenol	5	1.202517	10	1.275122	20	1.326919	40	1.300237	50	1.289146	60	1.268001
4-Chlorophenyl phenyl ether	5	0.6742086	10	0.6954678	20	0.6890185	40	0.6402671	50	0.6432798	60	0.6252312
Chrysene	5	1.169698	10	1.134234	20	1.187301	40	1.098305	50	1.054946	60	1.023574
Dibenz(a,h)anthracene	5	0.7929059	10	0.9127398	20	0.9778044	40	1.040796	50	1.012641	60	1.013459
Dibenzofuran	5	1.703833	10	1.693413	20	1.704482	40	1.540782	50	1.529322	60	1.472516

INITIAL CALIBRATION DATA

SW8270D

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Calibration: 2261001
Instrument: MS-BNA3
Matrix: Water
Calibration Dates: 9/11/12 10:38 9/11/12 17:40

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	5	1.16861	10	1.255953	20	1.283272	40	1.181135	50	1.106647	60	1.06418
1,4-Dichlorobenzene	5	1.531421	10	1.56121	20	1.527423	40	1.451014	50	1.445896	60	1.432695
1,3-Dichlorobenzene	5	1.475221	10	1.490131	20	1.527514	40	1.450766	50	1.468528	60	1.394971
1,2-Dichlorobenzene	5	1.455679	10	1.443407	20	1.456504	40	1.4098	50	1.385694	60	1.338072
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2847428	10	0.3263219	20	0.3328921	40	0.3242484	50	0.3321999	60	0.3215921
Diethylphthalate	5	1.323041	10	1.286795	20	1.368087	40	1.251514	50	1.243205	60	1.211569
2,4-Dimethylphenol	5	0.3723077	10	0.3922829	20	0.4013375	40	0.390409	50	0.388078	60	0.3762622
Dimethyl phthalate	5	1.373422	10	1.353026	20	1.386701	40	1.27275	50	1.233596	60	1.187798
4,6-Dinitro-2-methylphenol	5	7.614394E-02	10	0.1096655	20	0.130206	40	0.1508675	50	0.1529725	60	0.1565992
2,4-Dinitrophenol	5	7.088052E-02	10	0.1093294	20	0.1395075	40	0.1679181	50	0.1812304	60	0.190222
2,4-Dinitrotoluene	5	0.3531728	10	0.3912608	20	0.43451	40	0.4257123	50	0.4261383	60	0.426781
2,6-Dinitrotoluene	5	0.2714151	10	0.2923165	20	0.3163528	40	0.3062322	50	0.3212079	60	0.3121858
Di-n-octylphthalate	5	0.8771769	10	1.020225	20	1.123468	40	1.220057	50	1.208407	60	1.209285
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.8301083	10	0.867185	20	0.861467	40	0.8127303	50	0.7719215	60	0.7712792
Bis(2-ethylhexyl)phthalate	5	0.5881362	10	0.6483224	20	0.7324606	40	0.7333481	50	0.7419646	60	0.7344114
Fluoranthene	5	1.23635	10	1.317053	20	1.322223	40	1.210618	50	1.137281	60	1.112443
Fluorene	5	1.465575	10	1.402744	20	1.471988	40	1.327424	50	1.326116	60	1.285392
2-Fluorobiphenyl	5	1.406801	10	1.339106	20	1.373728	40	1.274645	50	1.266637	60	1.228683
2-Fluorophenol	10	1.159714	20	1.147427	40	1.17776	80	1.150615	100	1.131493	120	1.125717
Hexachlorobenzene	5	0.2463841	10	0.2654048	20	0.2691727	40	0.260909	50	0.2592312	60	0.2550784
Hexachlorobutadiene	5	0.2055813	10	0.2041694	20	0.2054767	40	0.2018028	50	0.2080746	60	0.2058022
Hexachlorocyclopentadiene	5	0.2916181	10	0.3162971	20	0.3534771	40	0.3570826	50	0.3593493	60	0.3660123
Hexachloroethane	5	0.6211759	10	0.6184263	20	0.6267446	40	0.6115714	50	0.6020682	60	0.6042834
Indeno(1,2,3-cd)pyrene	5	0.9842869	10	1.100186	20	1.231231	40	1.249436	50	1.252622	60	1.241693
Isophorone	5	0.7053235	10	0.7342949	20	0.7372863	40	0.7150188	50	0.700254	60	0.6863517
1-Methylnaphthalene	5	0.6263254	10	0.6219691	20	0.6167648	40	0.6025289	50	0.5932049	60	0.5754876
2-Methylnaphthalene	5	0.6487649	10	0.6439735	20	0.6616897	40	0.619805	50	0.6168634	60	0.5906787
2-Methylphenol	5	1.13215	10	1.166193	20	1.214549	40	1.183468	50	1.190711	60	1.14973

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2261001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	9/11/12_10:38	9/11/12_17:40

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	5	1.213749	10	1.204609	20	1.246534	40	1.24349	50	1.260916	60	1.207785
4-Methylphenol	5	1.213749	10	1.204609	20	1.246534	40	1.24349	50	1.260916	60	1.207785
3-Methylphenol/4-Methylphenol	5	1.213749	10	1.204609	20	1.246534	40	1.24349	50	1.260916	60	1.207785
Naphthalene	5	1.131168	10	1.115217	20	1.097102	40	1.018	50	0.9838111	60	0.9336806
4-Nitroaniline	5	0.310375	10	0.2880078	20	0.3319512	40	0.3278091	50	0.3394978	60	0.3319657
3-Nitroaniline	5	0.3061045	10	0.3165566	20	0.3311253	40	0.3337432	50	0.3324556	60	0.333826
2-Nitroaniline	5	0.3122476	10	0.31289	20	0.3414956	40	0.3500366	50	0.3516678	60	0.3465091
Nitrobenzene	5	0.4067955	10	0.405922	20	0.4226794	40	0.4097124	50	0.4155971	60	0.4022004
Nitrobenzene-d5	5	0.3901635	10	0.4008388	20	0.4181021	40	0.4098124	50	0.4068753	60	0.4013554
4-Nitrophenol	5	0.2205213	10	0.2238418	20	0.2704735	40	0.2810258	50	0.2788603	60	0.2746765
2-Nitrophenol	5	0.1572246	10	0.170622	20	0.1900949	40	0.1941729	50	0.1979488	60	0.1972528
N-Nitrosodimethylamine	5	0.6561451	10	0.6489775	20	0.6975004	40	0.6585053	50	0.6588495	60	0.6399517
N-Nitrosodiphenylamine	5	0.7117719	10	0.7279842	20	0.7319408	40	0.6857475	50	0.6689627	60	0.6710496
N-Nitroso-di-n-propylamine	5	1.013651	10	1.014837	20	1.036074	40	0.9774363	50	0.9701911	60	0.9510779
Pentachlorophenol	5	0.1242903	10	0.1472987	20	0.1675192	40	0.1807789	50	0.1772911	60	0.1753101
Phenanthrene	5	1.243048	10	1.256443	20	1.204927	40	1.111894	50	1.046238	60	1.020124
Phenol	5	1.788617	10	1.724966	20	1.754811	40	1.756593	50	1.70602	60	1.681391
Phenol-d6	10	1.56702	20	1.578964	40	1.575631	80	1.495776	100	1.472042	120	1.433011
Pyrene	5	1.269569	10	1.335888	20	1.347438	40	1.215283	50	1.176284	60	1.135994
Pyridine	5	1.450894	10	1.508679	20	1.500758	40	1.402303	50	1.421701	60	1.439583
Terphenyl-d14	5	0.759045	10	0.7914832	20	0.8267835	40	0.7856392	50	0.7550846	60	0.7440656
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.3129583	10	0.3205266	20	0.3493419	40	0.3448924	50	0.3561204	60	0.3409846
2,4,6-Tribromophenol	10	9.746889E-02	20	0.1098797	40	0.1147914	80	0.1197327	100	0.11624	120	0.116617
1,2,4-Trichlorobenzene	5	0.3494616	10	0.3476154	20	0.3551252	40	0.3384588	50	0.3410857	60	0.3336289
2,4,6-Trichlorophenol	5	0.3633886	10	0.3835832	20	0.4015645	40	0.3975579	50	0.3943937	60	0.396121
2,4,5-Trichlorophenol	5	0.3479752	10	0.3593403	20	0.4048246	40	0.4025023	50	0.4053154	60	0.4080477

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12 10:38 9/11/12 17:40

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	80	1.007038	100	0.9448967								
Acenaphthylene	80	1.463699	100	1.354083								
Acetophenone					5	1.854627	10	1.791064	20	1.814119	40	1.786505
Aniline	80	1.836509	100	1.778359								
Anthracene	80	0.9395351	100	0.8619493								
Atrazine					5	0.2149468	10	0.2213603	20	0.225859	40	0.2406622
Benzaldehyde					5	1.101007	10	1.076328	20	1.07395	40	0.9905509
Benzidine					5	0.5982221	10	0.6233508	20	0.6721449	40	0.6816705
Benzo(a)anthracene	80	1.039064	100	0.988222								
Benzo(a)pyrene	80	1.057477	100	0.9849124								
Benzo(b)fluoranthene	80	1.000322	100	1.137211								
Benzo(g,h,i)perylene	80	1.010113	100	1.00717								
Benzoic acid	80	0.288002	100	0.3073683								
Benzo(k)fluoranthene	80	1.288017	100	1.039958								
Benzyl alcohol	80	0.8399113	100	0.8291029								
1,1-Biphenyl					5	1.444924	10	1.462762	20	1.465034	40	1.400757
4-Bromophenyl-phenylether	80	0.2322959	100	0.2267755								
Butylbenzylphthalate	80	0.5450172	100	0.5332066								
Caprolactam					5	9.508992E-02	10	0.0970182	20	0.1014958	40	0.1071126
Carbazole	80	0.9117642	100	0.8603283								
4-Chloro-3-methylphenol	80	0.3239361	100	0.3128581								
4-Chloroaniline	80	0.4181819	100	0.4057045								
Bis(2-chloroethoxy)methane	80	0.412871	100	0.401461								
Bis(2-chloroethyl)ether	80	1.234201	100	1.196301								
2,2'-Oxybis-1-chloropropane	80	1.559356	100	1.522435								
2-Chloronaphthalene	80	1.037875	100	0.9697123								
2-Chlorophenol	80	1.250053	100	1.221566								
4-Chlorophenyl phenyl ether	80	0.6050546	100	0.582263								
Chrysene	80	0.9773309	100	0.9316359								
Dibenz(a,h)anthracene	80	1.013161	100	0.9812686								
Dibenzofuran	80	1.350958	100	1.254226								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12 10:38 9/11/12 17:40

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	80	0.9816543	100	0.8971291								
1,4-Dichlorobenzene	80	1.376729	100	1.309893								
1,3-Dichlorobenzene	80	1.370178	100	1.332432								
1,2-Dichlorobenzene	80	1.299695	100	1.272024								
3,3'-Dichlorobenzidine					5	0.3543587	10	0.3740634	20	0.3969158	40	0.4162336
2,6-Dichlorophenol					5	0.3029182	10	0.3037802	20	0.3026235	40	0.3162123
2,4-Dichlorophenol	80	0.3128693	100	0.3030876								
Diethylphthalate	80	1.176199	100	1.110356								
2,4-Dimethylphenol	80	0.3615218	100	0.3601468								
Dimethyl phthalate	80	1.147566	100	1.101382								
4,6-Dinitro-2-methylphenol	80	0.1611426	100	0.1632566								
2,4-Dinitrophenol	80	0.2034171	100	0.2067659								
2,4-Dinitrotoluene	80	0.4250739	100	0.4213723								
2,6-Dinitrotoluene	80	0.3060406	100	0.3029055								
Di-n-octylphthalate	80	1.19253	100	1.130569								
1,4-Dioxane					5	0.5681997	10	0.5720167	20	0.5405075	40	0.5215231
1,2-Diphenylhydrazine	80	0.711338	100	0.6708871								
Bis(2-ethylhexyl)phthalate	80	0.7201792	100	0.6965867								
Fluoranthene	80	1.023074	100	0.9552043								
Fluorene	80	1.192825	100	1.10791								
2-Fluorobiphenyl	80	1.168444	100	1.100862								
2-Fluorophenol	160	1.054541	200	1.011147								
Hexachlorobenzene	80	0.2494867	100	0.2407232								
Hexachlorobutadiene	80	0.1926689	100	0.1935308								
Hexachlorocyclopentadiene	80	0.3720966	100	0.360964								
Hexachloroethane	80	0.587194	100	0.5769922								
Indeno(1,2,3-cd)pyrene	80	1.219234	100	1.186028								
Isophorone	80	0.6458218	100	0.6339611								
1-Methylnaphthalene	80	0.5292253	100	0.5167777								
2-Methylnaphthalene	80	0.5632596	100	0.5391497								
2-Methylphenol	80	1.122389	100	1.116647								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12 10:38 9/11/12 17:40

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	80	1.197636	100	1.178114								
4-Methylphenol	80	1.197636	100	1.178114								
3-Methylphenol/4-Methylphenol	80	1.197636	100	1.178114								
Naphthalene	80	0.8568929	100	0.8020783								
4-Nitroaniline	80	0.3344389	100	0.3257398								
3-Nitroaniline	80	0.3329237	100	0.3339491								
2-Nitroaniline	80	0.3445397	100	0.3353103								
Nitrobenzene	80	0.3882844	100	0.3827503								
Nitrobenzene-d5	80	0.3854518	100	0.3790163								
4-Nitrophenol	80	0.2853949	100	0.2769577								
2-Nitrophenol	80	0.1988147	100	0.1958569								
N-Nitrosodimethylamine	80	0.6300438	100	0.6199096								
N-Nitrosodiphenylamine	80	0.6354454	100	0.5938058								
N-Nitroso-di-n-propylamine	80	0.9339268	100	0.919134								
Pentachlorophenol	80	0.1795239	100	0.1780552								
Phenanthrene	80	0.9246607	100	0.8510275								
Phenol	80	1.621348	100	1.575871								
Phenol-d6	160	1.363933	200	1.326291								
Pyrene	80	1.029161	100	0.9464214								
Pyridine	80	1.417841	100	1.409563								
Terphenyl-d14	80	0.7003809	100	0.6796219								
1,2,4,5-Tetrachlorobenzene					5	0.3642537	10	0.3739162	20	0.3587545	40	0.3586331
2,3,4,6-Tetrachlorophenol	80	0.3514703	100	0.348575								
2,4,6-Tribromophenol	160	0.114871	200	0.1137257								
1,2,4-Trichlorobenzene	80	0.3197429	100	0.3182462								
2,4,6-Trichlorophenol	80	0.3928045	100	0.3853417								
2,4,5-Trichlorophenol	80	0.3978263	100	0.3895499								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2261001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	9/11/12 10:38	9/11/12 17:40

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene												
Acenaphthylene												
Acetophenone	50	1.76145	60	1.801983	80	1.673292	100	1.611182				
Aniline												
Anthracene												
Atrazine	50	0.2359451	60	0.2357328	80	0.2298759	100	0.2247727				
Benzaldehyde	50	0.9748365	60	0.9989734	80	0.8898613	100	0.8739512				
Benzidine	50	0.6776385	60	0.680287	80	0.6439769	100	0.6296377				
Benzo(a)anthracene												
Benzo(a)pyrene												
Benzo(b)fluoranthene												
Benzo(g,h,i)perylene												
Benzoic acid												
Benzo(k)fluoranthene												
Benzyl alcohol												
1,1-Biphenyl	50	1.364835	60	1.327666	80	1.236441	100	1.162958				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1109058	60	0.1124372	80	0.1099913	100	0.1099271				
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												
Dibenzofuran												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2261001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	9/11/12 10:38	9/11/12 17:40

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate												
1,4-Dichlorobenzene												
1,3-Dichlorobenzene												
1,2-Dichlorobenzene												
3,3'-Dichlorobenzidine	50	0.416014	60	0.4278231	80	0.412885	100	0.3940041				
2,6-Dichlorophenol	50	0.3200868	60	0.3120857	80	0.3076012	100	0.2959819				
2,4-Dichlorophenol												
Diethylphthalate												
2,4-Dimethylphenol												
Dimethyl phthalate												
4,6-Dinitro-2-methylphenol												
2,4-Dinitrophenol												
2,4-Dinitrotoluene												
2,6-Dinitrotoluene												
Di-n-octylphthalate												
1,4-Dioxane	50	0.5110823	60	0.5407586	80	0.5060359	100	0.5102403				
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2261001	Instrument:	MS-BNA3	
Matrix:	Water	Calibration Dates:	9/11/12 10:38	9/11/12 17:40

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol												
4-Methylphenol												
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50	0.354329	60	0.3540016	80	0.3422855	100	0.3257612				
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2261001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	9/11/12 10:38	9/11/12 17:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.10566	8.941982	9.541375	5.759679E-02			CCC (20)	
Acenaphthylene	1.65984	11.47408	9.309875	5.149462E-02			CCC (20)	
Acetophenone	1.761778	4.548734	6.15075	0.029436			CCC (20)	
Aniline	1.975584	6.156998	5.21875	8.840861E-03			CCC (20)	
Anthracene	1.081887	12.14042	11.38375	4.965419E-02			CCC (20)	
Atrazine	0.2286444	3.743847	11.014	2.800227E-02			CCC (20)	
Benzaldehyde	0.9974323	8.489099	5.032875	0.0350803			CCC (20)	
Benzidine	0.650866	4.862256	12.96125	7.03444E-03			CCC (20)	
Benzo(a)anthracene	1.096178	5.859442	14.68275	0.0361667			CCC (20)	
Benzo(a)pyrene	1.020199	5.91785	16.89375	4.367248E-02			CCC (20)	
Benzo(b)fluoranthene	1.062636	8.32804	16.3765	4.687998E-02			CCC (20)	
Benzo(g,h,i)perylene	0.9945587	5.662765	19.13462	6.322926E-02			CCC (20)	
Benzoic acid	0.2585828	19.18735	7.002875	0.5416775	0.9968332		CCC (20)	
Benzo(k)fluoranthene	1.300594	10.47456	16.41512	4.428847E-02			CCC (20)	
Benzyl alcohol	0.8350847	3.232369	5.801	8.006347E-02			CCC (20)	
1,1-Biphenyl	1.358172	8.14203	8.777	3.752441E-02			CCC (20)	
4-Bromophenyl-phenylether	0.2362641	2.694889	10.759	4.506461E-02			CCC (20)	
Butylbenzylphthalate	0.5337897	6.795952	13.95313	1.982893E-02			CCC (20)	
Caprolactam	0.1054972	6.369373	7.769375	0.1428007			CCC (20)	
Carbazole	1.029924	10.35465	11.592	4.012654E-02			CCC (20)	
4-Chloro-3-methylphenol	0.3241539	4.484259	8.02375	2.422232E-02			CCC (20)	
4-Chloroaniline	0.4387603	4.499309	7.395	6.407021E-02			CCC (20)	
Bis(2-chloroethoxy)methane	0.4361706	4.861304	6.99	5.257221E-02			CCC (20)	
Bis(2-chloroethyl)ether	1.284228	4.005468	5.29525	0.1014556			CCC (20)	
2,2'-Oxybis-1-chloropropane	1.662963	5.286827	6.008	7.846643E-02			CCC (20)	
2-Chloronaphthalene	1.10867	7.247886	8.782	5.276285E-02			CCC (20)	
2-Chlorophenol	1.266695	3.235977	5.356	8.851782E-02			CCC (20)	
4-Chlorophenyl phenyl ether	0.6443488	6.230529	10.16638	5.729773E-03			CCC (20)	
Chrysene	1.072128	8.541599	14.74763	3.641467E-02			CCC (20)	
Dibenz(a,h)anthracene	0.968097	8.317117	18.71425	4.210554E-02			CCC (20)	
Dibenzofuran	1.531191	11.0083	9.734	4.736714E-02			CCC (20)	
Di-n-butylphthalate	1.117323	11.87776	12.081	2.243919E-02			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2261001	Instrument:	MS-BNA3
Matrix:	Water	Calibration Dates:	9/11/12 10:38 9/11/12 17:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.454535	5.818776	5.61225	0.013037			CCC (20)	
1,3-Dichlorobenzene	1.438718	4.610703	5.53975	1.248566E-02			CCC (20)	
1,2-Dichlorobenzene	1.382609	5.210718	5.860625	0.0201332			CCC (20)	
3,3'-Dichlorobenzidine	0.3990372	6.177841	14.68175	2.892872E-02			CCC (20)	
2,6-Dichlorophenol	0.3076612	2.595722	7.40325	2.436204E-02			15	
2,4-Dichlorophenol	0.3172443	5.18606	7.101375	4.761375E-02			CCC (20)	
Diethylphthalate	1.246346	6.574405	10.103	6.670748E-02			CCC (20)	
2,4-Dimethylphenol	0.3802932	3.960326	6.8645	1.752451E-02			CCC (20)	
Dimethyl phthalate	1.25703	8.5773	9.232125	5.107294E-02			CCC (20)	
4,6-Dinitro-2-methylphenol	0.1376067	22.31038	10.28925	8.292123E-02	0.9995831		CCC (20)	*
2,4-Dinitrophenol	0.1586589	30.52087	9.602375	5.674957E-02	0.9965146		CCC (20)	*
2,4-Dinitrotoluene	0.4130027	6.633871	9.796125	4.871438E-02			CCC (20)	
2,6-Dinitrotoluene	0.3035821	5.167856	9.315	4.886391E-02			CCC (20)	
Di-n-octylphthalate	1.122715	10.64814	15.776	1.209158E-02			CCC (20)	
1,4-Dioxane	0.5337955	4.869741	2.414375	7.061711E-02			15	
1,2-Diphenylhydrazine	0.7871146	8.877235	10.355	4.530772E-02			CCC (20)	
Bis(2-ethylhexyl)phthalate	0.6994262	7.777001	14.8135	7.521677E-03			CCC (20)	
Fluoranthene	1.164281	11.37119	12.78475	7.212182E-03			CCC (20)	
Fluorene	1.322497	9.629889	10.15838	0.047539			CCC (20)	
2-Fluorobiphenyl	1.269863	8.146411	8.668	5.397084E-02			CCC (20)	
2-Fluorophenol	1.119802	5.107841	4.039	1.607769E-02			CCC (20)	
Hexachlorobenzene	0.2557988	3.811211	10.93875	0.0483882			CCC (20)	
Hexachlorobutadiene	0.2021383	2.894676	7.537375	1.656083E-02			CCC (20)	
Hexachlorocyclopentadiene	0.3471121	8.069592	8.46875	1.743379E-02			CCC (20)	
Hexachloroethane	0.606057	2.830271	6.25375	5.98945E-03			CCC (20)	
Indeno(1,2,3-cd)pyrene	1.18309	7.999515	18.68575	3.410259E-02			CCC (20)	
Isophorone	0.694789	5.463283	6.678375	9.487201E-03			CCC (20)	
1-Methylnaphthalene	0.5852855	7.165809	8.311	5.573635E-02			CCC (20)	
2-Methylnaphthalene	0.6105231	7.071532	8.168625	0.0152489			CCC (20)	
2-Methylphenol	1.15948	3.037164	5.977	7.574059E-02			CCC (20)	
3-Methylphenol	1.219104	2.320772	6.17375	7.362797E-02			CCC (20)	
4-Methylphenol	1.219104	2.320772	6.17375	7.362797E-02			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2261001		Instrument:	MS-BNA3	
Matrix:	Water		Calibration Dates:	9/11/12 10:38	9/11/12 17:40

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.219104	2.320772	6.17375	7.362797E-02			15	
Naphthalene	0.9922437	12.28808	7.288875	1.449498E-02			CCC (20)	
4-Nitroaniline	0.3237232	5.187175	10.24375	9.360202E-02			CCC (20)	
3-Nitroaniline	0.3275855	3.191586	9.4845	6.968371E-02			CCC (20)	
2-Nitroaniline	0.3368371	4.692985	8.965625	2.313171E-02			CCC (20)	
Nitrobenzene	0.4042427	3.277603	6.37825	1.726574E-02			CCC (20)	
Nitrobenzene-d5	0.3989519	3.300556	6.357375	2.012303E-02			CCC (20)	
4-Nitrophenol	0.263969	9.91531	9.692875	0.0512375			CCC (20)	
2-Nitrophenol	0.1877485	8.18829	6.8025	0.0109992			CCC (20)	
N-Nitrosodimethylamine	0.6512354	3.595621	2.705	0.1357375			CCC (20)	
N-Nitrosodiphenylamine	0.6783385	6.967624	10.324	4.608146E-02			CCC (20)	
N-Nitroso-di-n-propylamine	0.977041	4.270567	6.194375	7.506511E-02			CCC (20)	
Pentachlorophenol	0.1662584	12.1407	11.15975	0.0122687			CCC (20)	
Phenanthrene	1.082295	13.7748	11.32925	4.510804E-02			CCC (20)	
Phenol	1.701202	4.253285	5.197	0.128711			CCC (20)	
Phenol-d6	1.476584	6.577862	5.18125	0.1022497			CCC (20)	
Pyrene	1.182005	12.0001	13.058	3.821264E-02			CCC (20)	
Pyridine	1.443915	2.816602	2.7155	0.1280989			CCC (20)	
Terphenyl-d14	0.755263	6.374122	13.26762	4.197651E-02			CCC (20)	
1,2,4,5-Tetrachlorobenzene	0.3539919	4.108493	8.43825	1.427966E-02			CCC (20)	
2,3,4,6-Tetrachlorophenol	0.3406087	4.554587	9.94875	1.854361E-02			CCC (20)	
2,4,6-Tribromophenol	0.1129158	6.053375	10.48725	7.380264E-03			CCC (20)	
1,2,4-Trichlorobenzene	0.3379206	3.985092	7.2165	8.724103E-03			CCC (20)	
2,4,6-Trichlorophenol	0.3893444	3.105104	8.572375	2.137935E-02			CCC (20)	
2,4,5-Trichlorophenol	0.3894227	5.904797	8.613625	1.934255E-02			CCC (20)	

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Acenaphthene	5	1.078358	10	1.091539	20	1.150309	40	1.057294	50	1.083217	60	1.161989
Acenaphthylene	5	1.747665	10	1.809821	20	1.880925	40	1.815603	50	1.860143	60	1.917333
Acetophenone												
Aniline	5	2.034952	10	2.098154	20	2.088473	40	2.015467	50	2.015704	60	1.995186
Anthracene	5	0.9557116	10	1.051101	20	1.032974	40	1.109723	50	1.037431	60	1.068324
Atrazine												
Benzaldehyde												
Benzidine												
Benzo(a)anthracene	5	1.065938	10	1.180723	20	1.214262	40	1.20537	50	1.245553	60	1.216726
Benzo(a)pyrene	5	0.9506992	10	1.003822	20	1.083428	40	1.054362	50	1.08976	60	1.093509
Benzo(b)fluoranthene	5	1.094804	10	1.141286	20	1.240416	40	1.159298	50	1.265436	60	1.130716
Benzo(g,h,i)perylene	5	0.873601	10	0.9208451	20	0.9811268	40	0.9604755	50	0.9942328	60	0.9934889
Benzoic acid	5	~~3.336673E-02~~	10	~~0.1042989~~	20	0.1781992	40	0.2115791	50	0.2493121	60	0.243875
Benzo(k)fluoranthene	5	1.17522	10	1.187723	20	1.232882	40	1.174034	50	1.110847	60	1.274912
Benzyl alcohol	5	0.7801675	10	0.8684121	20	0.8960432	40	0.9259088	50	0.9350818	60	0.9476074
1,1-Biphenyl												
4-Bromophenyl-phenylether	5	0.1840548	10	0.1903484	20	0.1851788	40	0.1896567	50	0.1884242	60	0.192172
Butylbenzylphthalate	5	0.5378174	10	0.6313114	20	0.7048811	40	0.7407231	50	0.7440543	60	0.747273
Caprolactam												
Carbazole	5	0.9226635	10	1.009006	20	0.9921687	40	1.031058	50	1.000825	60	0.9766577
4-Chloro-3-methylphenol	5	0.2896661	10	0.3081843	20	0.3239889	40	0.3149782	50	0.3205197	60	0.3138509
4-Chloroaniline	5	0.412414	10	0.4306366	20	0.4837794	40	0.436585	50	0.4833539	60	0.4436474
Bis(2-chloroethoxy)methane	5	0.4042298	10	0.4296612	20	0.4504452	40	0.431978	50	0.448029	60	0.4311348
Bis(2-chloroethyl)ether	5	1.282842	10	1.377296	20	1.404086	40	1.383948	50	1.406371	60	1.397247
2,2'-Oxybis-1-chloropropane	5	2.079575	10	2.070875	20	2.085243	40	1.938042	50	1.956399	60	1.997282
2-Chloronaphthalene	5	1.134423	10	1.123192	20	1.159795	40	1.086798	50	1.143536	60	1.196723
2-Chlorophenol	5	1.350901	10	1.424765	20	1.43568	40	1.423436	50	1.441421	60	1.438945
4-Chlorophenyl phenyl ether	5	0.6566982	10	0.6461916	20	0.6558058	40	0.616605	50	0.662581	60	0.6436193
Chrysene	5	1.180592	10	1.118632	20	1.129139	40	1.112537	50	1.093442	60	1.117172
Dibenz(a,h)anthracene	5	0.8520107	10	0.9191281	20	0.9859254	40	0.964782	50	0.9906383	60	0.9921989
Dibenzofuran	5	1.536132	10	1.588926	20	1.616118	40	1.515229	50	1.610123	60	1.625652

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Di-n-butylphthalate	5	1.121845	10	1.364031	20	1.381968	40	1.450375	50	1.403412	60	1.409989
1,4-Dichlorobenzene	5	1.418111	10	1.455447	20	1.467162	40	1.438916	50	1.46772	60	1.457618
1,3-Dichlorobenzene	5	1.432105	10	1.423908	20	1.485136	40	1.419986	50	1.450071	60	1.478233
1,2-Dichlorobenzene	5	1.360908	10	1.386994	20	1.408355	40	1.331052	50	1.372344	60	1.378169
3,3'-Dichlorobenzidine												
2,6-Dichlorophenol												
2,4-Dichlorophenol	5	0.2504963	10	0.2746682	20	0.2884465	40	0.2773906	50	0.2919712	60	0.2820978
Diethylphthalate	5	1.344265	10	1.37675	20	1.48977	40	1.350549	50	1.414839	60	1.45629
2,4-Dimethylphenol	5	0.3629362	10	0.3797333	20	0.3870518	40	0.3639624	50	0.3879981	60	0.3740538
Dimethyl phthalate	5	1.317984	10	1.319991	20	1.366723	40	1.297807	50	1.329765	60	1.37034
4,6-Dinitro-2-methylphenol	5	~~5.165542E-02~~	10	0.1214892	20	0.1473356	40	0.1691331	50	0.1729752	60	0.1701025
2,4-Dinitrophenol	5		10	~~0.1170329~~	20	0.1954921	40	0.2259456	50	0.2475596	60	0.2522798
2,4-Dinitrotoluene	5	0.3919056	10	0.409689	20	0.449581	40	0.445946	50	0.4438291	60	0.4615775
2,6-Dinitrotoluene	5	0.3195336	10	0.3227965	20	0.3468408	40	0.3285664	50	0.3350427	60	0.3365442
Di-n-octylphthalate	5	0.9851135	10	1.323817	20	1.615828	40	1.726339	50	1.792135	60	1.80512
1,4-Dioxane												
1,2-Diphenylhydrazine	5	0.8195813	10	0.9088856	20	0.8431758	40	0.8592516	50	0.8415894	60	0.8397251
Bis(2-ethylhexyl)phthalate	5	0.6674583	10	0.792665	20	0.9650525	40	0.948891	50	0.9797275	60	0.9617742
Fluoranthene	5	1.033247	10	1.140173	20	1.114859	40	1.165934	50	1.147447	60	1.135387
Fluorene	5	1.280252	10	1.303341	20	1.344766	40	1.293968	50	1.278522	60	1.299757
2-Fluorobiphenyl	5	1.331933	10	1.313736	20	1.347718	40	1.260582	50	1.292124	60	1.335712
2-Fluorophenol	10	1.261463	20	1.333369	40	1.391816	80	1.373594	100	1.371486	120	1.416233
Hexachlorobenzene	5	0.2117027	10	0.2188891	20	0.2125305	40	0.2190107	50	0.2125396	60	0.2126697
Hexachlorobutadiene	5	0.18889	10	0.1880685	20	0.1903446	40	0.184078	50	0.1925968	60	0.1904308
Hexachlorocyclopentadiene	5	0.3361692	10	0.3564788	20	0.3928528	40	0.389935	50	0.4009408	60	0.4104188
Hexachloroethane	5	0.6744255	10	0.6618072	20	0.6777116	40	0.6819102	50	0.6541621	60	0.6691686
Indeno(1,2,3-cd)pyrene	5	1.023988	10	1.097857	20	1.164043	40	1.127006	50	1.168136	60	1.159338
Isophorone	5	0.6544687	10	0.6904889	20	0.7048065	40	0.6891412	50	0.7239657	60	0.6868411
1-Methylnaphthalene	5	0.5349277	10	0.5277341	20	0.5451573	40	0.5308657	50	0.5315541	60	0.5158618
2-Methylnaphthalene	5	0.5363026	10	0.5497478	20	0.5829233	40	0.5598716	50	0.5678542	60	0.5475243
2-Methylphenol	5	1.16664	10	1.257702	20	1.280844	40	1.262866	50	1.258925	60	1.261235

INITIAL CALIBRATION DATA

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	5	1.226175	10	1.306254	20	1.312226	40	1.29937	50	1.326631	60	1.343047
4-Methylphenol	5	1.226175	10	1.306254	20	1.312226	40	1.29937	50	1.326631	60	1.343047
3-Methylphenol/4-Methylphenol	5	1.226175	10	1.306254	20	1.312226	40	1.29937	50	1.326631	60	1.343047
Naphthalene	5	1.023081	10	1.070714	20	1.080121	40	1.036293	50	1.077688	60	1.042967
4-Nitroaniline	5	0.2849379	10	0.342558	20	0.3877042	40	0.3633968	50	0.3862954	60	0.3990397
3-Nitroaniline	5	0.3433982	10	0.3754444	20	0.3803338	40	0.3819068	50	0.3847421	60	0.3961158
2-Nitroaniline	5	0.2894728	10	0.3136377	20	0.3494143	40	0.3458329	50	0.3803824	60	0.3823772
Nitrobenzene	5	0.3669764	10	0.3705092	20	0.400336	40	0.3785477	50	0.3925081	60	0.3821948
Nitrobenzene-d5	5	0.3518869	10	0.3639233	20	0.3939298	40	0.3709787	50	0.3847197	60	0.3806891
4-Nitrophenol	5	~~0.1505435~~	10	0.2310599	20	0.2719388	40	0.271958	50	0.2767402	60	0.285024
2-Nitrophenol	5	0.1700175	10	0.191862	20	0.2091951	40	0.2130391	50	0.2083903	60	0.2076023
N-Nitrosodimethylamine	5	0.6059567	10	0.6222091	20	0.6532175	40	0.6521997	50	0.6656932	60	0.6665015
N-Nitrosodiphenylamine	5	0.5883223	10	0.6268656	20	0.6106598	40	0.6249416	50	0.6043468	60	0.6158201
N-Nitroso-di-n-propylamine	5	0.8766796	10	0.9234361	20	0.9689328	40	0.9542772	50	0.9653697	60	0.9358801
Pentachlorophenol	5	~~8.199479E-02~~	10	0.1301918	20	0.1425881	40	0.1525982	50	0.1476072	60	0.1450178
Phenanthrene	5	1.000914	10	1.119326	20	1.017577	40	1.073733	50	1.018844	60	1.039659
Phenol	5	1.865674	10	1.855152	20	1.899259	40	1.894641	50	1.864679	60	1.837211
Phenol-d6	10	1.656049	20	1.69728	40	1.737889	80	1.671449	100	1.669154	120	1.652624
Pyrene	5	1.354835	10	1.441816	20	1.436668	40	1.429908	50	1.445343	60	1.402609
Pyridine	5	1.16835	10	1.532897	20	1.35295	40	1.433837	50	1.438428	60	1.466185
Terphenyl-d14	5	0.7571837	10	0.7839006	20	0.8209707	40	0.7956398	50	0.8018879	60	0.7793284
1,2,4,5-Tetrachlorobenzene												
2,3,4,6-Tetrachlorophenol	5	0.2909695	10	0.3003154	20	0.3412436	40	0.3233075	50	0.3633597	60	0.3434019
2,4,6-Tribromophenol	10	0.1011111	20	0.1213375	40	0.1158315	80	0.1202189	100	0.1150394	120	0.1131525
1,2,4-Trichlorobenzene	5	0.3180939	10	0.3245395	20	0.3356369	40	0.3329124	50	0.3316005	60	0.3157609
2,4,6-Trichlorophenol	5	0.3512483	10	0.3772235	20	0.4091251	40	0.4022465	50	0.4133945	60	0.422525
2,4,5-Trichlorophenol	5	0.3551846	10	0.4100343	20	0.4109608	40	0.3964285	50	0.422446	60	0.4265941

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

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	1.142599	100	1.071342								
Acenaphthylene	80	1.926015	100	1.763933								
Acetophenone					5	1.619646	10	1.740843	20	1.810852	40	1.833286
Aniline	80	1.876443	100	1.840774								
Anthracene	80	1.047485	100	1.032091								
Atrazine					5	0.192551	10	0.1880945	20	0.200026	40	0.2075385
Benzaldehyde					5	1.001283	10	1.041618	20	1.03999	40	1.031096
Benzidine					5	0.6871057	10	0.7213301	20	0.7648218	40	0.7238901
Benzo(a)anthracene	80	1.249174	100	1.180346								
Benzo(a)pyrene	80	1.088128	100	1.090548								
Benzo(b)fluoranthene	80	1.100118	100	1.147987								
Benzo(g,h,i)perylene	80	0.9488366	100	0.9725153								
Benzoic acid	80	0.2606964	100	~~0.290386~~								
Benzo(k)fluoranthene	80	1.220071	100	1.175463								
Benzyl alcohol	80	0.9277269	100	0.9304952								
1,1-Biphenyl					5	1.388813	10	1.453335	20	1.453578	40	1.440055
4-Bromophenyl-phenylether	80	0.187341	100	0.183782								
Butylbenzylphthalate	80	0.7523327	100	0.7605151								
Caprolactam					5	6.971707E-02	10	9.951621E-02	20	0.1069335	40	0.105017
Carbazole	80	1.041472	100	1.004376								
4-Chloro-3-methylphenol	80	0.311311	100	0.3111777								
4-Chloroaniline	80	0.4311253	100	0.4362476								
Bis(2-chloroethoxy)methane	80	0.409009	100	0.4381248								
Bis(2-chloroethyl)ether	80	1.351439	100	1.370473								
2,2'-Oxybis-1-chloropropane	80	1.857614	100	1.77123								
2-Chloronaphthalene	80	1.143831	100	1.125047								
2-Chlorophenol	80	1.425647	100	1.423994								
4-Chlorophenyl phenyl ether	80	0.6773906	100	0.6240733								
Chrysene	80	1.118683	100	1.061078								
Dibenz(a,h)anthracene	80	0.9618631	100	0.9907785								
Dibenzofuran	80	1.613875	100	1.621238								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

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	1.347432	100	1.286163								
1,4-Dichlorobenzene	80	1.421946	100	1.414088								
1,3-Dichlorobenzene	80	1.42303	100	1.414315								
1,2-Dichlorobenzene	80	1.312575	100	1.319473								
3,3'-Dichlorobenzidine					5	0.389908	10	0.3846442	20	0.3921585	40	0.3962447
2,6-Dichlorophenol					5	0.241495	10	0.2709493	20	0.2740549	40	0.2648952
2,4-Dichlorophenol	80	0.2739669	100	0.2775039								
Diethylphthalate	80	1.489321	100	1.435245								
2,4-Dimethylphenol	80	0.3609158	100	0.3861622								
Dimethyl phthalate	80	1.405656	100	1.357664								
4,6-Dinitro-2-methylphenol	80	0.1734137	100	0.1876477								
2,4-Dinitrophenol	80	0.2604075	100	0.2744344								
2,4-Dinitrotoluene	80	0.480631	100	0.4468529								
2,6-Dinitrotoluene	80	0.341853	100	0.3416636								
Di-n-octylphthalate	80	1.86995	100	1.883711								
1,4-Dioxane					5	0.560875	10	0.5388576	20	0.5213462	40	0.5412179
1,2-Diphenylhydrazine	80	0.8709501	100	0.897269								
Bis(2-ethylhexyl)phthalate	80	0.9762106	100	0.9562367								
Fluoranthene	80	1.122532	100	1.113909								
Fluorene	80	1.271268	100	1.256196								
2-Fluorobiphenyl	80	1.297599	100	1.260379								
2-Fluorophenol	160	1.379472	200	1.387109								
Hexachlorobenzene	80	0.2111614	100	0.2033673								
Hexachlorobutadiene	80	0.181221	100	0.1873174								
Hexachlorocyclopentadiene	80	0.4143408	100	0.4053013								
Hexachloroethane	80	0.6355483	100	0.6420661								
Indeno(1,2,3-cd)pyrene	80	1.132948	100	1.155913								
Isophorone	80	0.6760179	100	0.7002178								
1-Methylnaphthalene	80	0.5023474	100	0.5083256								
2-Methylnaphthalene	80	0.5201554	100	0.5363237								
2-Methylphenol	80	1.210891	100	1.182174								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol	80	1.236298	100	1.217924								
4-Methylphenol	80	1.236298	100	1.217924								
3-Methylphenol/4-Methylphenol	80	1.236298	100	1.217924								
Naphthalene	80	0.9735028	100	1.056734								
4-Nitroaniline	80	0.411538	100	0.4059048								
3-Nitroaniline	80	0.388965	100	0.4008611								
2-Nitroaniline	80	0.3695882	100	0.3849334								
Nitrobenzene	80	0.3701286	100	0.3843924								
Nitrobenzene-d5	80	0.3720713	100	0.3888643								
4-Nitrophenol	80	0.2912901	100	0.2992594								
2-Nitrophenol	80	0.2018061	100	0.2103176								
N-Nitrosodimethylamine	80	0.6413992	100	0.6562163								
N-Nitrosodiphenylamine	80	0.5963412	100	0.5813618								
N-Nitroso-di-n-propylamine	80	0.8974423	100	0.8892744								
Pentachlorophenol	80	0.1596069	100	0.1607682								
Phenanthrene	80	1.009526	100	1.010891								
Phenol	80	1.78643	100	1.778969								
Phenol-d6	160	1.589362	200	1.584416								
Pyrene	80	1.452824	100	1.38967								
Pyridine	80	1.321965	100	1.361542								
Terphenyl-d14	80	0.806259	100	0.7930337								
1,2,4,5-Tetrachlorobenzene					5	0.3109588	10	0.3283232	20	0.3120523	40	0.3055642
2,3,4,6-Tetrachlorophenol	80	0.3562242	100	0.3554636								
2,4,6-Tribromophenol	160	0.1162922	200	0.1177535								
1,2,4-Trichlorobenzene	80	0.301684	100	0.3124771								
2,4,6-Trichlorophenol	80	0.4381165	100	0.4183248								
2,4,5-Trichlorophenol	80	0.4423807	100	0.4369654								

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

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	1.795168	60	1.82	80	1.787027	100	1.786568				
Aniline												
Anthracene												
Atrazine	50	0.2120339	60	0.2097702	80	0.1997883	100	0.2075006				
Benzaldehyde	50	1.026644	60	1.0362	80	0.9282079	100	0.9457477				
Benzidine	50	0.7950947	60	0.7880691	80	0.7680407	100	0.8209944				
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	1.422235	60	1.436807	80	1.351171	100	1.383309				
4-Bromophenyl-phenylether												
Butylbenzylphthalate												
Caprolactam	50	0.1102932	60	0.1151759	80	0.1068605	100	0.1068234				
Carbazole												
4-Chloro-3-methylphenol												
4-Chloroaniline												
Bis(2-chloroethoxy)methane												
Bis(2-chloroethyl)ether												
2,2'-Oxybis-1-chloropropane												
2-Chloronaphthalene												
2-Chlorophenol												
4-Chlorophenyl phenyl ether												
Chrysene												
Dibenz(a,h)anthracene												
Dibenzofuran												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

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	0.4312434	60	0.4238883	80	0.4276871	100	0.4212366				
2,6-Dichlorophenol	50	0.2644257	60	0.2817538	80	0.2737493	100	0.2600474				
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	0.5248702	60	0.5145818	80	0.5227063	100	0.5117972				
1,2-Diphenylhydrazine												
Bis(2-ethylhexyl)phthalate												
Fluoranthene												
Fluorene												
2-Fluorobiphenyl												
2-Fluorophenol												
Hexachlorobenzene												
Hexachlorobutadiene												
Hexachlorocyclopentadiene												
Hexachloroethane												
Indeno(1,2,3-cd)pyrene												
Isophorone												
1-Methylnaphthalene												
2-Methylnaphthalene												
2-Methylphenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

Compound	Level 13		Level 14		Level 15		Level 16		Level 17		Level 18	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
3-Methylphenol												
4-Methylphenol												
3-Methylphenol/4-Methylphenol												
Naphthalene												
4-Nitroaniline												
3-Nitroaniline												
2-Nitroaniline												
Nitrobenzene												
Nitrobenzene-d5												
4-Nitrophenol												
2-Nitrophenol												
N-Nitrosodimethylamine												
N-Nitrosodiphenylamine												
N-Nitroso-di-n-propylamine												
Pentachlorophenol												
Phenanthrene												
Phenol												
Phenol-d6												
Pyrene												
Pyridine												
Terphenyl-d14												
1,2,4,5-Tetrachlorobenzene	50	0.3046199	60	0.3096163	80	0.2945385	100	0.2866329				
2,3,4,6-Tetrachlorophenol												
2,4,6-Tribromophenol												
1,2,4-Trichlorobenzene												
2,4,6-Trichlorophenol												
2,4,5-Trichlorophenol												

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2272005	Instrument:	MS-BNA1		
Matrix:	Water	Calibration Dates:	9/26/12 18:03	9/27/12 0:53	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Acenaphthene	1.104581	3.667399	8.91525	4.192777E-02			CCC (20)	
Acenaphthylene	1.84018	3.632512	8.682375	3.114255E-02			CCC (20)	
Acetophenone	1.774174	3.851726	5.501125	2.361145E-02			CCC (20)	
Aniline	1.995644	4.626025	4.548875	9.483675E-02			CCC (20)	
Anthracene	1.041855	4.142428	10.737	4.386926E-02			CCC (20)	
Atrazine	0.2021629	4.235431	10.41287	6.554844E-02			CCC (20)	
Benzaldehyde	1.006348	4.459025	4.358	8.713657E-02			CCC (20)	
Benzidine	0.7586683	5.879218	12.31662	3.369084E-02			CCC (20)	
Benzo(a)anthracene	1.194761	4.851248	13.88937	3.244724E-02			CCC (20)	
Benzo(a)pyrene	1.056782	4.973005	15.90437	3.193249E-02			CCC (20)	
Benzo(b)fluoranthene	1.160008	5.331305	15.43212	3.248984E-02			CCC (20)	
Benzo(g,h,i)perylene	0.9556402	4.308529	17.9275	6.469576E-02			CCC (20)	
Benzoic acid	0.2287324	14.70025	6.4624	0.4386429			CCC (20)	
Benzo(k)fluoranthene	1.193894	4.101768	15.46912	0.0546399			CCC (20)	
Benzyl alcohol	0.9014304	6.108482	5.159625	8.622099E-02			CCC (20)	
1,1-Biphenyl	1.416163	2.651145	8.16025	5.658205E-02			CCC (20)	
4-Bromophenyl-phenylether	0.1876197	1.642047	10.138	2.504573E-02			CCC (20)	
Butylbenzylphthalate	0.7023635	11.18941	13.27325	1.993542E-02			CCC (20)	
Caprolactam	0.1025421	13.6366	7.15725	0.1932975			CCC (20)	
Carbazole	0.9972784	3.657535	10.959	3.609112E-02			CCC (20)	
4-Chloro-3-methylphenol	0.3117096	3.303953	7.44875	2.900505E-02			CCC (20)	
4-Chloroaniline	0.4447237	5.754276	6.7835	5.519815E-02			CCC (20)	
Bis(2-chloroethoxy)methane	0.4303265	3.846842	6.383375	3.673511E-02			CCC (20)	
Bis(2-chloroethyl)ether	1.371713	2.941024	4.639125	0.1018083			CCC (20)	
2,2'-Oxybis-1-chloropropane	1.969533	5.742854	5.368625	4.393517E-02			CCC (20)	
2-Chloronaphthalene	1.139168	2.77572	8.159125	6.302636E-02			CCC (20)	
2-Chlorophenol	1.420599	2.046808	4.6855	8.267222E-02			CCC (20)	
4-Chlorophenyl phenyl ether	0.6478706	3.083436	9.553	2.902302E-02			CCC (20)	
Chrysene	1.116409	3.008397	13.94612	3.815723E-02			CCC (20)	
Dibenz(a,h)anthracene	0.9571656	5.131775	17.5935	3.131882E-02			CCC (20)	
Dibenzofuran	1.590912	2.644566	9.110375	3.680324E-02			CCC (20)	
Di-n-butylphthalate	1.345652	7.626803	11.47675	1.523484E-02			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,4-Dichlorobenzene	1.442626	1.545015	4.93625	5.027495E-02			CCC (20)	
1,3-Dichlorobenzene	1.440848	1.903295	4.862875	7.552796E-02			CCC (20)	
1,2-Dichlorobenzene	1.358734	2.529233	5.18875	8.005298E-02			CCC (20)	
3,3'-Dichlorobenzidine	0.4083764	4.734066	13.90538	2.273012E-02			CCC (20)	
2,6-Dichlorophenol	0.2664213	4.565875	6.7815	6.321973E-02			15	
2,4-Dichlorophenol	0.2770677	4.521523	6.48225	3.371409E-02			CCC (20)	
Diethylphthalate	1.419629	4.096827	9.5105	7.334255E-02			CCC (20)	
2,4-Dimethylphenol	0.3753517	3.065619	6.266	3.594803E-02			CCC (20)	
Dimethyl phthalate	1.345741	2.629253	8.6395	6.825815E-02			CCC (20)	
4,6-Dinitro-2-methylphenol	0.1631567	13.40917	9.679714	7.663445E-02			CCC (20)	
2,4-Dinitrophenol	0.2426865	11.5747	8.997834	4.513503E-02			CCC (20)	
2,4-Dinitrotoluene	0.4412515	6.36668	9.185	5.476163E-02			CCC (20)	
2,6-Dinitrotoluene	0.3341051	2.899851	8.71275	4.684148E-02			CCC (20)	
Di-n-octylphthalate	1.625252	19.42695	14.95388	2.252079E-02	0.9995969		CCC (20)	
1,4-Dioxane	0.5295315	3.094231	1.882	0.2712203			15	
1,2-Diphenylhydrazine	0.8600535	3.561029	9.73925	3.184954E-02			CCC (20)	
Bis(2-ethylhexyl)phthalate	0.906002	12.58977	14.07613	1.959701E-02			CCC (20)	
Fluoranthene	1.121686	3.546909	12.12612	3.525315E-02			CCC (20)	
Fluorene	1.291009	2.070254	9.530125	4.048329E-02			CCC (20)	
2-Fluorobiphenyl	1.304973	2.550458	8.05825	3.909822E-02			CCC (20)	
2-Fluorophenol	1.364318	3.490521	3.41725	0.1410522			CCC (20)	
Hexachlorobenzene	0.2127339	2.307244	10.303	2.203108E-02			CCC (20)	
Hexachlorobutadiene	0.1878684	1.960866	6.914	5.031228E-02			CCC (20)	
Hexachlorocyclopentadiene	0.3883047	7.132773	7.8515	3.398346E-02			CCC (20)	
Hexachloroethane	0.6620999	2.557715	5.59625	7.371592E-02			CCC (20)	
Indeno(1,2,3-cd)pyrene	1.128654	4.291234	17.562	4.681499E-02			CCC (20)	
Isophorone	0.6907435	2.967858	6.04575	7.629027E-02			CCC (20)	
1-Methylnaphthalene	0.5245967	2.755911	7.68475	2.290911E-02			CCC (20)	
2-Methylnaphthalene	0.5500879	3.617338	7.54875	4.032424E-02			CCC (20)	
2-Methylphenol	1.23516	3.448355	5.357625	2.996493E-02			CCC (20)	
3-Methylphenol	1.283491	3.818632	5.568375	8.424321E-02			CCC (20)	
4-Methylphenol	1.283491	3.818632	5.568375	8.424321E-02			CCC (20)	

INITIAL CALIBRATION DATA (Continued)

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2272005	Instrument:	MS-BNA1
Matrix:	Water	Calibration Dates:	9/26/12 18:03 9/27/12 0:53

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
3-Methylphenol/4-Methylphenol	1.283491	3.818632	5.568375	8.424321E-02			15	
Naphthalene	1.045138	3.387294	6.650625	4.515734E-02			CCC (20)	
4-Nitroaniline	0.3726718	11.29913	9.632125	0.1008701			CCC (20)	
3-Nitroaniline	0.3814709	4.588481	8.87625	7.323247E-02			CCC (20)	
2-Nitroaniline	0.3519549	9.928968	8.35375	5.603041E-02			CCC (20)	
Nitrobenzene	0.3806992	3.059174	5.73	4.682199E-02			CCC (20)	
Nitrobenzene-d5	0.3758829	3.698424	5.709125	2.613411E-02			CCC (20)	
4-Nitrophenol	0.2753243	7.99335	9.122572	4.434523E-02			CCC (20)	
2-Nitrophenol	0.2015288	7.114383	6.162	5.347405E-02			CCC (20)	
N-Nitrosodimethylamine	0.6454241	3.308037	2.152625	0.1921502			CCC (20)	
N-Nitrosodiphenylamine	0.6060824	2.738114	9.712375	0.0476372			CCC (20)	
N-Nitroso-di-n-propylamine	0.9264115	3.847318	5.5585	8.229641E-02			CCC (20)	
Pentachlorophenol	0.1483397	7.142531	10.52857	3.303109E-02			CCC (20)	
Phenanthrene	1.036309	3.924071	10.68563	2.503092E-02			CCC (20)	
Phenol	1.847752	2.430352	4.569875	0.1188403			CCC (20)	
Phenol-d6	1.657278	3.092311	4.552625	9.935202E-02			CCC (20)	
Pyrene	1.419209	2.387319	12.3895	3.407473E-02			CCC (20)	
Pyridine	1.384519	8.014604	2.153875	0.2801215			CCC (20)	
Terphenyl-d14	0.7922755	2.429045	12.62238	2.535784E-02			CCC (20)	
1,2,4,5-Tetrachlorobenzene	0.3065383	4.049936	7.8175	0.0638879			CCC (20)	
2,3,4,6-Tetrachlorophenol	0.3342857	8.040752	9.335375	1.610042E-02			CCC (20)	
2,4,6-Tribromophenol	0.1150921	5.431977	9.8565	3.664511E-02			CCC (20)	
1,2,4-Trichlorobenzene	0.3215882	3.64138	6.581375	3.850313E-02			CCC (20)	
2,4,6-Trichlorophenol	0.4040255	6.82953	7.96475	4.460944E-02			CCC (20)	
2,4,5-Trichlorophenol	0.4126243	6.69412	8.009625	5.024523E-02			CCC (20)	

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/11/12
Lab Sample ID:	2I25803-ICV1	Injection Time:	18:08

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	58.60	1.10566	1.295903	0.9	17.2	20
Acenaphthylene	A	50.00	54.94	1.65984	1.823847	0.9	9.9	20
Anthracene	A	50.00	53.20	1.081887	1.151058	0.7	6.4	20
Benzo(a)anthracene	A	50.00	55.59	1.096178	1.218701	0.8	11.2	20
Benzo(a)pyrene	A	50.00	53.88	1.020199	1.099446	0.7	7.8	20
Benzo(b)fluoranthene	A	50.00	53.05	1.062636	1.127461	0.7	6.1	20
Benzo(g,h,i)perylene	A	50.00	54.39	0.9945587	1.081915	0.5	8.8	20
Benzoic acid	L	50.00	48.69	0.2585828	0.2811545	0.01	-2.6	20
Benzo(k)fluoranthene	A	50.00	53.54	1.300594	1.392682	0.7	7.1	20
4-Bromophenyl-phenylether	A	50.00	53.33	0.2362641	0.2519767	0.1	6.7	20
Butylbenzylphthalate	A	50.00	55.26	0.5337897	0.5899795	0.01	10.5	20
Carbazole	A	50.00	53.21	1.029924	1.095962	0.01	6.4	20
4-Chloro-3-methylphenol	A	50.00	54.72	0.3241539	0.3547434	0.2	9.4	20
4-Chloroaniline	A	50.00	52.81	0.4387603	0.4634271	0.01	5.6	20
Bis(2-chloroethoxy)methane	A	50.00	53.38	0.4361706	0.4656965	0.3	6.8	20
Bis(2-chloroethyl)ether	A	50.00	56.03	1.284228	1.439207	0.7	12.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	55.74	1.662963	1.853836	0.01	11.5	20
2-Chloronaphthalene	A	50.00	51.24	1.10867	1.136069	0.8	2.5	20
2-Chlorophenol	A	50.00	58.06	1.266695	1.470975	0.8	16.1	20
4-Chlorophenyl phenyl ether	A	50.00	51.29	0.6443488	0.6609697	0.4	2.6	20
Chrysene	A	50.00	56.09	1.072128	1.202645	0.7	12.2	20
Dibenz(a,h)anthracene	A	50.00	55.01	0.968097	1.065122	0.4	10.0	20
Dibenzofuran	A	50.00	53.47	1.531191	1.637537	0.8	6.9	20
Di-n-butylphthalate	A	50.00	51.42	1.117323	1.148948	0.01	2.8	20
2,4-Dichlorophenol	A	50.00	54.14	0.3172443	0.3435181	0.2	8.3	20
Diethylphthalate	A	50.00	50.34	1.246346	1.254886	0.01	0.7	20
2,4-Dimethylphenol	A	50.00	56.41	0.3802932	0.4290272	0.2	12.8	20
Dimethyl phthalate	A	50.00	49.52	1.25703	1.244959	0.01	-1.0	20
4,6-Dinitro-2-methylphenol	L	50.00	53.68	0.1376067	0.1681106	0.01	7.4	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/11/12
Lab Sample ID:	2I25803-ICV1	Injection Time:	18:08

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	49.63	0.1586589	0.1883481	0.05	-0.7	20
2,4-Dinitrotoluene	A	50.00	52.00	0.4130027	0.4295454	0.2	4.0	20
2,6-Dinitrotoluene	A	50.00	53.10	0.3035821	0.3224102	0.2	6.2	20
Di-n-octylphthalate	A	50.00	55.98	1.122715	1.25702	0.01	12.0	20
1,2-Diphenylhydrazine	A	50.00	54.43	0.7871146	0.856912	0.01	8.9	20
Bis(2-ethylhexyl)phthalate	A	50.00	56.88	0.6994262	0.7957128	0.01	13.8	20
Fluoranthene	A	50.00	53.36	1.164281	1.242525	0.6	6.7	20
Fluorene	A	50.00	51.97	1.322497	1.3745	0.9	3.9	20
Hexachlorobenzene	A	50.00	53.88	0.2557988	0.2756724	0.1	7.8	20
Hexachlorobutadiene	A	50.00	59.84	0.2021383	0.2419049	0.01	19.7	20
Hexachlorocyclopentadiene	A	50.00	55.42	0.3471121	0.3847598	0.05	10.8	20
Hexachloroethane	A	50.00	54.49	0.606057	0.6604722	0.3	9.0	20
Indeno(1,2,3-cd)pyrene	A	50.00	54.73	1.18309	1.295127	0.5	9.5	20
Isophorone	A	50.00	52.71	0.694789	0.7324747	0.4	5.4	20
1-Methylnaphthalene	A	50.00	53.43	0.5852855	0.6253864	0.01	6.9	20
2-Methylnaphthalene	A	50.00	52.57	0.6105231	0.6419021	0.4	5.1	20
2-Methylphenol	A	50.00	58.16	1.15948	1.348604	0.7	16.3	20
3-Methylphenol/4-Methylphenol	A	50.00	58.18	1.219104	1.418582		16.4	20
Naphthalene	A	50.00	57.00	0.9922437	1.131112	0.7	14.0	20
4-Nitroaniline	A	50.00	53.79	0.3237232	0.348242	0.01	7.6	20
3-Nitroaniline	A	50.00	53.70	0.3275855	0.3518224	0.01	7.4	20
2-Nitroaniline	A	50.00	58.40	0.3368371	0.3934389	0.01	16.8	20
Nitrobenzene	A	50.00	52.69	0.4042427	0.4260277	0.2	5.4	20
4-Nitrophenol	A	50.00	54.75	0.263969	0.2890525	0.05	9.5	20
2-Nitrophenol	A	50.00	54.00	0.1877485	0.2027527	0.1	8.0	20
N-Nitrosodiphenylamine	A	50.00	53.61	0.6783385	0.7272844	0.01	7.2	20
N-Nitroso-di-n-propylamine	A	50.00	55.58	0.977041	1.086017	0.5	11.2	20
Phenanthrene	A	50.00	53.75	1.082295	1.163421	0.7	7.5	20
Phenol	A	50.00	56.31	1.701202	1.915796	0.8	12.6	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/11/12
Lab Sample ID:	2I25803-ICV1	Injection Time:	18:08

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)	
Pyrene	A	50.00	54.56	1.182005	1.289905	0.6	9.1	20	
2,4,6-Trichlorophenol	A	50.00	53.74	0.3893444	0.4184625	0.2	7.5	20	
2,4,5-Trichlorophenol	A	50.00	58.16	0.3894227	0.4529662	0.2	16.3	20	
2-Fluorobiphenyl	A	50.00	53.53	1.269863	1.359507	0.01	7.1	20	
2-Fluorophenol	A	100.0	122.0	1.119802	1.365786	0.01	22.0	20	*
Nitrobenzene-d5	A	50.00	55.18	0.3989519	0.4402934	0.01	10.4	20	
Phenol-d6	A	100.0	113.3	1.476584	1.673269	0.01	13.3	20	
Terphenyl-d14	A	50.00	59.66	0.755263	0.9012434	0.01	19.3	20	
2,4,6-Tribromophenol	A	100.0	109.1	0.1129158	0.1231592	0.01	9.1	20	

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/11/12
Lab Sample ID:	2I25803-ICV2	Injection Time:	18:36

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	52.13	1.761778	1.836985	0.01	4.3	20
Atrazine	A	50.00	47.98	0.2286444	0.2194247	0.01	-4.0	20
Benzaldehyde	A	50.00	52.76	0.9974323	1.052489	0.01	5.5	20
Benzidine	A	50.00	56.11	0.650866	0.7304139	0.01	12.2	20
1,1-Biphenyl	A	50.00	51.62	1.358172	1.402158	0.01	3.2	20
Caprolactam	A	50.00	55.44	0.1054972	0.1169682	0.01	10.9	20
3,3'-Dichlorobenzidine	A	50.00	54.50	0.3990372	0.4349478	0.01	9.0	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-ICV3.D	Calibration Date:	09/11/12 10:38
Sequence:	2I25803	Injection Date:	09/12/12
Lab Sample ID:	2I25803-ICV3	Injection Time:	15:49

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Pentachlorophenol	A	50.00	46.01	0.1662584	0.1529758	0.05	-8.0	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-ICV1.D	Calibration Date:	09/26/12 18:03
Sequence:	2I27213	Injection Date:	09/27/12
Lab Sample ID:	2I27213-ICV1	Injection Time:	01:21

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Benzoic acid	A	50.00	51.76	0.2287324	0.2367745	0.01	3.5	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-ICV2.D	Calibration Date:	09/26/12 18:03
Sequence:	2I27213	Injection Date:	09/27/12
Lab Sample ID:	2I27213-ICV2	Injection Time:	01:48

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acetophenone	A	50.00	55.85	1.774174	1.981799	0.01	11.7	20
Atrazine	A	50.00	44.17	0.2021629	0.1785825	0.01	-11.7	20
Benzaldehyde	A	50.00	50.54	1.006348	1.017223	0.01	1.1	20
Benzidine	A	50.00	46.43	0.7586683	0.704443	0.01	-7.1	20
1,1-Biphenyl	A	50.00	50.27	1.416163	1.423736	0.01	0.5	20
Caprolactam	A	50.00	55.51	0.1025421	0.1138417	0.01	11.0	20
3,3'-Dichlorobenzidine	A	50.00	51.86	0.4083764	0.423608	0.01	3.7	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-ICV3.D	Calibration Date:	09/26/12 18:03
Sequence:	2I27213	Injection Date:	09/27/12
Lab Sample ID:	2I27213-ICV3	Injection Time:	02:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Pentachlorophenol	A	50.00	45.47	0.1483397	0.1349035	0.05	-9.1	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-ICV4.D	Calibration Date:	09/26/12 18:03
Sequence:	2I27213	Injection Date:	09/27/12
Lab Sample ID:	2I27213-ICV4	Injection Time:	16:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Acenaphthene	A	50.00	56.26	1.104581	1.242868	0.9	12.5	20
Acenaphthylene	A	50.00	53.51	1.84018	1.969492	0.9	7.0	20
Anthracene	A	50.00	51.66	1.041855	1.076543	0.7	3.3	20
Benzo(a)anthracene	A	50.00	53.28	1.194761	1.273035	0.8	6.6	20
Benzo(a)pyrene	A	50.00	50.96	1.056782	1.077075	0.7	1.9	20
Benzo(b)fluoranthene	A	50.00	56.17	1.160008	1.303179	0.7	12.3	20
Benzo(g,h,i)perylene	A	50.00	52.03	0.9556402	0.9945096	0.5	4.1	20
Benzo(k)fluoranthene	A	50.00	49.65	1.193894	1.185491	0.7	-0.7	20
4-Bromophenyl-phenylether	A	50.00	53.93	0.1876197	0.2023681	0.1	7.9	20
Butylbenzylphthalate	A	50.00	55.52	0.7023635	0.7798346	0.01	11.0	20
Carbazole	A	50.00	54.05	0.9972784	1.07804	0.01	8.1	20
4-Chloro-3-methylphenol	A	50.00	50.16	0.3117096	0.3126813	0.2	0.3	20
4-Chloroaniline	A	50.00	50.18	0.4447237	0.4463155	0.01	0.4	20
Bis(2-chloroethoxy)methane	A	50.00	49.29	0.4303265	0.4242085	0.3	-1.4	20
Bis(2-chloroethyl)ether	A	50.00	54.22	1.371713	1.487382	0.7	8.4	20
2,2'-Oxybis-1-chloropropane	A	50.00	52.02	1.969533	2.049127	0.01	4.0	20
2-Chloronaphthalene	A	50.00	49.41	1.139168	1.125778	0.8	-1.2	20
2-Chlorophenol	A	50.00	54.73	1.420599	1.555036	0.8	9.5	20
4-Chlorophenyl phenyl ether	A	50.00	48.44	0.6478706	0.6277191	0.4	-3.1	20
Chrysene	A	50.00	52.44	1.116409	1.170883	0.7	4.9	20
Dibenz(a,h)anthracene	A	50.00	51.97	0.9571656	0.9948807	0.4	3.9	20
Dibenzofuran	A	50.00	50.55	1.590912	1.608445	0.8	1.1	20
Di-n-butylphthalate	A	50.00	52.37	1.345652	1.409351	0.01	4.7	20
2,4-Dichlorophenol	A	50.00	49.62	0.2770677	0.2749447	0.2	-0.8	20
Diethylphthalate	A	50.00	49.65	1.419629	1.409804	0.01	-0.7	20
2,4-Dimethylphenol	A	50.00	51.77	0.3753517	0.3886179	0.2	3.5	20
Dimethyl phthalate	A	50.00	47.66	1.345741	1.282834	0.01	-4.7	20
4,6-Dinitro-2-methylphenol	A	50.00	59.68	0.1631567	0.1947334	0.01	19.4	20
2,4-Dinitrophenol	A	50.00	53.63	0.2426865	0.2603236	0.05	7.3	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-ICV4.D	Calibration Date:	09/26/12 18:03
Sequence:	2I27213	Injection Date:	09/27/12
Lab Sample ID:	2I27213-ICV4	Injection Time:	16:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4-Dinitrotoluene	A	50.00	49.47	0.4412515	0.4365715	0.2	-1.1	20
2,6-Dinitrotoluene	A	50.00	49.90	0.3341051	0.3334658	0.2	-0.2	20
Di-n-octylphthalate	L	50.00	49.69	1.625252	1.79607	0.01	-0.6	20
1,2-Diphenylhydrazine	A	50.00	51.48	0.8600535	0.8854269	0.01	3.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	55.61	0.906002	1.007676	0.01	11.2	20
Fluoranthene	A	50.00	52.06	1.121686	1.167857	0.6	4.1	20
Fluorene	A	50.00	49.61	1.291009	1.280906	0.9	-0.8	20
Hexachlorobenzene	A	50.00	53.41	0.2127339	0.2272269	0.1	6.8	20
Hexachlorobutadiene	A	50.00	55.24	0.1878684	0.20754	0.01	10.5	20
Hexachlorocyclopentadiene	A	50.00	53.25	0.3883047	0.4135571	0.05	6.5	20
Hexachloroethane	A	50.00	53.44	0.6620999	0.7077133	0.3	6.9	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.10	1.128654	1.176076	0.5	4.2	20
Isophorone	A	50.00	48.65	0.6907435	0.6721568	0.4	-2.7	20
1-Methylnaphthalene	A	50.00	50.27	0.5245967	0.5274279	0.01	0.5	20
2-Methylnaphthalene	A	50.00	49.16	0.5500879	0.5408751	0.4	-1.7	20
2-Methylphenol	A	50.00	55.45	1.23516	1.369766	0.7	10.9	20
3-Methylphenol/4-Methylphenol	A	50.00	55.61	1.283491	1.427505		11.2	20
Naphthalene	A	50.00	54.34	1.045138	1.135827	0.7	8.7	20
4-Nitroaniline	A	50.00	51.07	0.3726718	0.3806114	0.01	2.1	20
3-Nitroaniline	A	50.00	51.03	0.3814709	0.3893424	0.01	2.1	20
2-Nitroaniline	A	50.00	54.43	0.3519549	0.3831608	0.01	8.9	20
Nitrobenzene	A	50.00	51.06	0.3806992	0.3887609	0.2	2.1	20
4-Nitrophenol	A	50.00	49.30	0.2753243	0.2714856	0.05	-1.4	20
2-Nitrophenol	A	50.00	52.35	0.2015288	0.2110155	0.1	4.7	20
N-Nitrosodiphenylamine	A	50.00	55.64	0.6060824	0.6744719	0.01	11.3	20
N-Nitroso-di-n-propylamine	A	50.00	54.68	0.9264115	1.013088	0.5	9.4	20
Phenanthrene	A	50.00	53.69	1.036309	1.112731	0.7	7.4	20
Phenol	A	50.00	53.92	1.847752	1.992622	0.8	7.8	20
Pyrene	A	50.00	50.17	1.419209	1.424044	0.6	0.3	20

INITIAL CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-ICV4.D	Calibration Date:	09/26/12 18:03
Sequence:	2I27213	Injection Date:	09/27/12
Lab Sample ID:	2I27213-ICV4	Injection Time:	16:07

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
2,4,6-Trichlorophenol	A	50.00	51.67	0.4040255	0.4174811	0.2	3.3	20
2,4,5-Trichlorophenol	A	50.00	51.87	0.4126243	0.4280298	0.2	3.7	20
2-Fluorobiphenyl	A	50.00	51.35	1.304973	1.340167	0.01	2.7	20
2-Fluorophenol	A	100.0	117.2	1.364318	1.598604	0.01	17.2	20
Nitrobenzene-d5	A	50.00	51.52	0.3758829	0.3873319	0.01	3.0	20
Phenol-d6	A	100.0	105.7	1.657278	1.751346	0.01	5.7	20
Terphenyl-d14	A	50.00	58.81	0.7922755	0.9318163	0.01	17.6	20
2,4,6-Tribromophenol	A	100.0	109.6	0.1150921	0.1261684	0.01	9.6	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/26/12 18:03
Sequence:	2J29718	Injection Date:	10/22/12
Lab Sample ID:	2J29718-CCV1	Injection Time:	18:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	50.30	1.104581	1.111145	0.9	0.6	20	
Acenaphthylene	A	50.00	49.82	1.84018	1.833699	0.9	-0.4	20	
Anthracene	A	50.00	54.03	1.041855	1.125918	0.7	8.1	20	
Benzo(a)anthracene	A	50.00	54.38	1.194761	1.299424	0.8	8.8	20	
Benzo(a)pyrene	A	50.00	51.27	1.056782	1.083687	0.7	2.5	20	
Benzo(b)fluoranthene	A	50.00	55.37	1.160008	1.284619	0.7	10.7	20	
Benzo(g,h,i)perylene	A	50.00	51.19	0.9556402	0.9784763	0.5	2.4	20	
Benzoic acid	A	50.00	34.73	0.2287324	0.1588979	0.01	-30.5	20	*
Benzo(k)fluoranthene	A	50.00	49.02	1.193894	1.170514	0.7	-2.0	20	
4-Bromophenyl-phenylether	A	50.00	55.63	0.1876197	0.2087357	0.1	11.3	20	
Butylbenzylphthalate	A	50.00	58.24	0.7023635	0.8180799	0.01	16.5	20	
Carbazole	A	50.00	53.09	0.9972784	1.058989	0.01	6.2	20	
4-Chloro-3-methylphenol	A	50.00	59.32	0.3117096	0.3698104	0.2	18.6	20	
4-Chloroaniline	A	50.00	53.14	0.4447237	0.4726151	0.01	6.3	20	
Bis(2-chloroethoxy)methane	A	50.00	50.89	0.4303265	0.4379687	0.3	1.8	20	
Bis(2-chloroethyl)ether	A	50.00	51.20	1.371713	1.404623	0.7	2.4	20	
2,2'-Oxybis-1-chloropropane	A	50.00	50.23	1.969533	1.978726	0.01	0.5	20	
2-Chloronaphthalene	A	50.00	51.19	1.139168	1.166367	0.8	2.4	20	
2-Chlorophenol	A	50.00	55.69	1.420599	1.582175	0.8	11.4	20	
4-Chlorophenyl phenyl ether	A	50.00	54.06	0.6478706	0.7004962	0.4	8.1	20	
Chrysene	A	50.00	52.12	1.116409	1.163844	0.7	4.2	20	
Dibenz(a,h)anthracene	A	50.00	52.85	0.9571656	1.01181	0.4	5.7	20	
Dibenzofuran	A	50.00	49.40	1.590912	1.571722	0.8	-1.2	20	
Di-n-butylphthalate	A	50.00	55.56	1.345652	1.495337	0.01	11.1	20	
2,4-Dichlorophenol	A	50.00	53.67	0.2770677	0.2973961	0.2	7.3	20	
Diethylphthalate	A	50.00	55.32	1.419629	1.570626	0.01	10.6	20	
2,4-Dimethylphenol	A	50.00	55.75	0.3753517	0.4185008	0.2	11.5	20	
Dimethyl phthalate	A	50.00	55.16	1.345741	1.4846	0.01	10.3	20	
4,6-Dinitro-2-methylphenol	A	50.00	55.43	0.1631567	0.1808887	0.01	10.9	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/26/12 18:03
Sequence:	2J29718	Injection Date:	10/22/12
Lab Sample ID:	2J29718-CCV1	Injection Time:	18:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dinitrophenol	A	50.00	52.85	0.2426865	0.256539	0.05	5.7	20	
2,4-Dinitrotoluene	A	50.00	54.33	0.4412515	0.4794921	0.2	8.7	20	
2,6-Dinitrotoluene	A	50.00	50.92	0.3341051	0.3402605	0.2	1.8	20	
Di-n-octylphthalate	L	50.00	51.26	1.625252	1.85681	0.01	2.5	20	
1,2-Diphenylhydrazine	A	50.00	52.37	0.8600535	0.900835	0.01	4.7	20	
Bis(2-ethylhexyl)phthalate	A	50.00	55.98	0.906002	1.014449	0.01	12.0	20	
Fluoranthene	A	50.00	56.22	1.121686	1.261116	0.6	12.4	20	
Fluorene	A	50.00	50.87	1.291009	1.313475	0.9	1.7	20	
Hexachlorobenzene	A	50.00	58.90	0.2127339	0.2506172	0.1	17.8	20	
Hexachlorobutadiene	A	50.00	59.49	0.1878684	0.2235209	0.01	19.0	20	
Hexachlorocyclopentadiene	A	50.00	60.80	0.3883047	0.4721609	0.05	21.6	20	*
Hexachloroethane	A	50.00	58.36	0.6620999	0.7728017	0.3	16.7	20	
Indeno(1,2,3-cd)pyrene	A	50.00	51.74	1.128654	1.167892	0.5	3.5	20	
Isophorone	A	50.00	53.32	0.6907435	0.7366847	0.4	6.7	20	
1-Methylnaphthalene	A	50.00	52.24	0.5245967	0.548062	0.01	4.5	20	
2-Methylnaphthalene	A	50.00	50.62	0.5500879	0.5569462	0.4	1.2	20	
2-Methylphenol	A	50.00	54.36	1.23516	1.342887	0.7	8.7	20	
3-Methylphenol/4-Methylphenol	A	50.00	57.15	1.283491	1.467118		14.3	20	
Naphthalene	A	50.00	49.42	1.045138	1.032979	0.7	-1.2	20	
4-Nitroaniline	A	50.00	50.09	0.3726718	0.3733252	0.01	0.2	20	
3-Nitroaniline	A	50.00	51.31	0.3814709	0.3915011	0.01	2.6	20	
2-Nitroaniline	A	50.00	55.50	0.3519549	0.3906823	0.01	11.0	20	
Nitrobenzene	A	50.00	52.68	0.3806992	0.4010824	0.2	5.4	20	
4-Nitrophenol	A	50.00	56.76	0.2753243	0.3125545	0.05	13.5	20	
2-Nitrophenol	A	50.00	54.35	0.2015288	0.219076	0.1	8.7	20	
N-Nitrosodiphenylamine	A	50.00	53.82	0.6060824	0.6524487	0.01	7.7	20	
N-Nitroso-di-n-propylamine	A	50.00	58.79	0.9264115	1.089302	0.5	17.6	20	
Pentachlorophenol	A	50.00	51.62	0.1483397	0.1531518	0.05	3.2	20	
Phenanthrene	A	50.00	51.36	1.036309	1.064612	0.7	2.7	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/26/12 18:03
Sequence:	2J29718	Injection Date:	10/22/12
Lab Sample ID:	2J29718-CCV1	Injection Time:	18:16

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	52.12	1.847752	1.92612	0.8	4.2	20
Pyrene	A	50.00	54.43	1.419209	1.544907	0.6	8.9	20
2,4,6-Trichlorophenol	A	50.00	54.85	0.4040255	0.443188	0.2	9.7	20
2,4,5-Trichlorophenol	A	50.00	54.09	0.4126243	0.4463741	0.2	8.2	20
2-Fluorobiphenyl	A	50.00	52.80	1.304973	1.377953	0.01	5.6	20
2-Fluorophenol	A	100.0	105.7	1.364318	1.442287	0.01	5.7	20
Nitrobenzene-d5	A	50.00	55.72	0.3758829	0.418871	0.01	11.4	20
Phenol-d6	A	100.0	103.4	1.657278	1.71382	0.01	3.4	20
Terphenyl-d14	A	50.00	61.10	0.7922755	0.9681931	0.01	22.2	20 *
2,4,6-Tribromophenol	A	100.0	118.4	0.1150921	0.1362284	0.01	18.4	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/26/12 18:03
Sequence:	2J29718	Injection Date:	10/22/12
Lab Sample ID:	2J29718-CCV2	Injection Time:	18:43

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetophenone	A	50.00	55.05	1.774174	1.953278	0.01	10.1	20	
Atrazine	A	50.00	53.48	0.2021629	0.2162293	0.01	7.0	20	
Benzaldehyde	A	50.00	55.58	1.006348	1.118642	0.01	11.2	20	
Benzidine	A	50.00	65.24	0.7586683	0.9899502	0.01	30.5	20	*
1,1-Biphenyl	A	50.00	46.94	1.416163	1.329554	0.01	-6.1	20	
Caprolactam	A	50.00	57.91	0.1025421	0.1187695	0.01	15.8	20	
3,3'-Dichlorobenzidine	A	50.00	57.31	0.4083764	0.4680901	0.01	14.6	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31016	Injection Date:	11/02/12
Lab Sample ID:	2K31016-CCV1	Injection Time:	10:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	47.95	1.10566	1.060349	0.9	-4.1	20
Acenaphthylene	A	50.00	47.74	1.65984	1.584759	0.9	-4.5	20
Anthracene	A	50.00	51.57	1.081887	1.115877	0.7	3.1	20
Benzo(a)anthracene	A	50.00	52.41	1.096178	1.149095	0.8	4.8	20
Benzo(a)pyrene	A	50.00	53.52	1.020199	1.092061	0.7	7.0	20
Benzo(b)fluoranthene	A	50.00	52.87	1.062636	1.123628	0.7	5.7	20
Benzo(g,h,i)perylene	A	50.00	54.86	0.9945587	1.091195	0.5	9.7	20
Benzoic acid	L	50.00	55.61	0.2585828	0.3246754	0.01	11.2	20
Benzo(k)fluoranthene	A	50.00	49.69	1.300594	1.292513	0.7	-0.6	20
4-Bromophenyl-phenylether	A	50.00	52.64	0.2362641	0.2487234	0.1	5.3	20
Butylbenzylphthalate	A	50.00	54.61	0.5337897	0.5830435	0.01	9.2	20
Carbazole	A	50.00	51.64	1.029924	1.063804	0.01	3.3	20
4-Chloro-3-methylphenol	A	50.00	53.02	0.3241539	0.3437055	0.2	6.0	20
4-Chloroaniline	A	50.00	52.47	0.4387603	0.4604346	0.01	4.9	20
Bis(2-chloroethoxy)methane	A	50.00	51.72	0.4361706	0.45117	0.3	3.4	20
Bis(2-chloroethyl)ether	A	50.00	52.53	1.284228	1.349296	0.7	5.1	20
2,2'-Oxybis-1-chloropropane	A	50.00	51.12	1.662963	1.700088	0.01	2.2	20
2-Chloronaphthalene	A	50.00	48.18	1.10867	1.068206	0.8	-3.6	20
2-Chlorophenol	A	50.00	53.98	1.266695	1.367467	0.8	8.0	20
4-Chlorophenyl phenyl ether	A	50.00	48.80	0.6443488	0.6288305	0.4	-2.4	20
Chrysene	A	50.00	49.32	1.072128	1.057506	0.7	-1.4	20
Dibenz(a,h)anthracene	A	50.00	55.20	0.968097	1.068688	0.4	10.4	20
Dibenzofuran	A	50.00	47.62	1.531191	1.458243	0.8	-4.8	20
Di-n-butylphthalate	A	50.00	49.94	1.117323	1.115932	0.01	-0.1	20
2,4-Dichlorophenol	A	50.00	53.92	0.3172443	0.342133	0.2	7.8	20
Diethylphthalate	A	50.00	46.74	1.246346	1.165192	0.01	-6.5	20
2,4-Dimethylphenol	A	50.00	51.07	0.3802932	0.3884087	0.2	2.1	20
Dimethyl phthalate	A	50.00	48.17	1.25703	1.210954	0.01	-3.7	20
4,6-Dinitro-2-methylphenol	L	50.00	60.44	0.1376067	0.1909392	0.01	20.9	20 *

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31016	Injection Date:	11/02/12
Lab Sample ID:	2K31016-CCV1	Injection Time:	10:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
2,4-Dinitrophenol	L	50.00	62.19	0.1586589	0.2428929	0.05	24.4	20	*
2,4-Dinitrotoluene	A	50.00	52.92	0.4130027	0.4371082	0.2	5.8	20	
2,6-Dinitrotoluene	A	50.00	53.05	0.3035821	0.3221126	0.2	6.1	20	
Di-n-octylphthalate	A	50.00	53.70	1.122715	1.205924	0.01	7.4	20	
1,2-Diphenylhydrazine	A	50.00	48.75	0.7871146	0.7674457	0.01	-2.5	20	
Bis(2-ethylhexyl)phthalate	A	50.00	53.80	0.6994262	0.7526306	0.01	7.6	20	
Fluoranthene	A	50.00	50.60	1.164281	1.178387	0.6	1.2	20	
Fluorene	A	50.00	47.58	1.322497	1.258482	0.9	-4.8	20	
Hexachlorobenzene	A	50.00	52.36	0.2557988	0.2678942	0.1	4.7	20	
Hexachlorobutadiene	A	50.00	49.58	0.2021383	0.2004209	0.01	-0.8	20	
Hexachlorocyclopentadiene	A	50.00	55.34	0.3471121	0.3841639	0.05	10.7	20	
Hexachloroethane	A	50.00	48.93	0.606057	0.5931087	0.3	-2.1	20	
Indeno(1,2,3-cd)pyrene	A	50.00	53.72	1.18309	1.271026	0.5	7.4	20	
Isophorone	A	50.00	51.32	0.694789	0.7130982	0.4	2.6	20	
1-Methylnaphthalene	A	50.00	50.09	0.5852855	0.5862976	0.01	0.2	20	
2-Methylnaphthalene	A	50.00	50.31	0.6105231	0.6142725	0.4	0.6	20	
2-Methylphenol	A	50.00	54.06	1.15948	1.253551	0.7	8.1	20	
3-Methylphenol/4-Methylphenol	A	50.00	54.84	1.219104	1.337169		9.7	20	
Naphthalene	A	50.00	50.34	0.9922437	0.9990894	0.7	0.7	20	
4-Nitroaniline	A	50.00	56.26	0.3237232	0.3642379	0.01	12.5	20	
3-Nitroaniline	A	50.00	54.47	0.3275855	0.3568954	0.01	8.9	20	
2-Nitroaniline	A	50.00	49.79	0.3368371	0.3354143	0.01	-0.4	20	
Nitrobenzene	A	50.00	49.91	0.4042427	0.4035119	0.2	-0.2	20	
4-Nitrophenol	A	50.00	51.64	0.263969	0.2726187	0.05	3.3	20	
2-Nitrophenol	A	50.00	61.42	0.1877485	0.2306335	0.1	22.8	20	*
N-Nitrosodiphenylamine	A	50.00	52.10	0.6783385	0.7067872	0.01	4.2	20	
N-Nitroso-di-n-propylamine	A	50.00	49.37	0.977041	0.9647842	0.5	-1.3	20	
Pentachlorophenol	A	50.00	56.92	0.1662584	0.1892849	0.05	13.8	20	
Phenanthrene	A	50.00	49.47	1.082295	1.070888	0.7	-1.1	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31016	Injection Date:	11/02/12
Lab Sample ID:	2K31016-CCV1	Injection Time:	10:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	52.16	1.701202	1.774657	0.8	4.3	20
Pyrene	A	50.00	50.34	1.182005	1.190116	0.6	0.7	20
2,4,6-Trichlorophenol	A	50.00	52.23	0.3893444	0.406728	0.2	4.5	20
2,4,5-Trichlorophenol	A	50.00	53.10	0.3894227	0.4135766	0.2	6.2	20
2-Fluorobiphenyl	A	50.00	48.22	1.269863	1.224578	0.01	-3.6	20
2-Fluorophenol	A	100.0	104.5	1.119802	1.170129	0.01	4.5	20
Nitrobenzene-d5	A	50.00	51.84	0.3989519	0.4136716	0.01	3.7	20
Phenol-d6	A	100.0	104.0	1.476584	1.536018	0.01	4.0	20
Terphenyl-d14	A	50.00	57.59	0.755263	0.8699169	0.01	15.2	20
2,4,6-Tribromophenol	A	100.0	108.2	0.1129158	0.1221717	0.01	8.2	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31016	Injection Date:	11/02/12
Lab Sample ID:	2K31016-CCV2	Injection Time:	10:53

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	50.41	1.761778	1.77637	0.01	0.8	20
Atrazine	A	50.00	55.79	0.2286444	0.2551346	0.01	11.6	20
Benzaldehyde	A	50.00	58.90	0.9974323	1.174902	0.01	17.8	20
Benzidine	A	50.00	69.96	0.650866	0.9106849	0.01	39.9	20 *
1,1-Biphenyl	A	50.00	48.01	1.358172	1.304229	0.01	-4.0	20
Caprolactam	A	50.00	62.58	0.1054972	0.1320358	0.01	25.2	20 *
3,3'-Dichlorobenzidine	A	50.00	62.02	0.3990372	0.4950048	0.01	24.0	20 *

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31106	Injection Date:	11/03/12
Lab Sample ID:	2K31106-CCV1	Injection Time:	15:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	47.75	1.10566	1.055928	0.9	-4.5	20	
Acenaphthylene	A	50.00	48.85	1.65984	1.621741	0.9	-2.3	20	
Anthracene	A	50.00	51.31	1.081887	1.110154	0.7	2.6	20	
Benzo(a)anthracene	A	50.00	53.10	1.096178	1.16411	0.8	6.2	20	
Benzo(a)pyrene	A	50.00	52.94	1.020199	1.080142	0.7	5.9	20	
Benzo(b)fluoranthene	A	50.00	53.80	1.062636	1.143322	0.7	7.6	20	
Benzo(g,h,i)perylene	A	50.00	53.51	0.9945587	1.064376	0.5	7.0	20	
Benzoic acid	L	50.00	55.44	0.2585828	0.3235896	0.01	10.9	20	
Benzo(k)fluoranthene	A	50.00	45.50	1.300594	1.183665	0.7	-9.0	20	
4-Bromophenyl-phenylether	A	50.00	52.32	0.2362641	0.2472352	0.1	4.6	20	
Butylbenzylphthalate	A	50.00	55.76	0.5337897	0.5953015	0.01	11.5	20	
Carbazole	A	50.00	53.24	1.029924	1.09671	0.01	6.5	20	
4-Chloro-3-methylphenol	A	50.00	52.09	0.3241539	0.3377008	0.2	4.2	20	
4-Chloroaniline	A	50.00	52.42	0.4387603	0.4600141	0.01	4.8	20	
Bis(2-chloroethoxy)methane	A	50.00	50.21	0.4361706	0.4380307	0.3	0.4	20	
Bis(2-chloroethyl)ether	A	50.00	53.64	1.284228	1.377825	0.7	7.3	20	
2,2'-Oxybis-1-chloropropane	A	50.00	52.09	1.662963	1.732427	0.01	4.2	20	
2-Chloronaphthalene	A	50.00	48.40	1.10867	1.073251	0.8	-3.2	20	
2-Chlorophenol	A	50.00	56.34	1.266695	1.427259	0.8	12.7	20	
4-Chlorophenyl phenyl ether	A	50.00	48.61	0.6443488	0.6263875	0.4	-2.8	20	
Chrysene	A	50.00	49.66	1.072128	1.064806	0.7	-0.7	20	
Dibenz(a,h)anthracene	A	50.00	54.50	0.968097	1.055251	0.4	9.0	20	
Dibenzofuran	A	50.00	47.92	1.531191	1.46763	0.8	-4.2	20	
Di-n-butylphthalate	A	50.00	53.60	1.117323	1.197723	0.01	7.2	20	
2,4-Dichlorophenol	A	50.00	52.72	0.3172443	0.3345322	0.2	5.4	20	
Diethylphthalate	A	50.00	47.18	1.246346	1.176201	0.01	-5.6	20	
2,4-Dimethylphenol	A	50.00	48.98	0.3802932	0.3725075	0.2	-2.0	20	
Dimethyl phthalate	A	50.00	49.31	1.25703	1.239806	0.01	-1.4	20	
4,6-Dinitro-2-methylphenol	L	50.00	61.06	0.1376067	0.193026	0.01	22.1	20	*

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31106	Injection Date:	11/03/12
Lab Sample ID:	2K31106-CCV1	Injection Time:	15:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	61.13	0.1586589	0.2382785	0.05	22.3	20 *
2,4-Dinitrotoluene	A	50.00	53.67	0.4130027	0.4432847	0.2	7.3	20
2,6-Dinitrotoluene	A	50.00	53.58	0.3035821	0.3253295	0.2	7.2	20
Di-n-octylphthalate	A	50.00	54.60	1.122715	1.226032	0.01	9.2	20
1,2-Diphenylhydrazine	A	50.00	48.30	0.7871146	0.7603979	0.01	-3.4	20
Bis(2-ethylhexyl)phthalate	A	50.00	56.27	0.6994262	0.7871948	0.01	12.5	20
Fluoranthene	A	50.00	52.66	1.164281	1.226324	0.6	5.3	20
Fluorene	A	50.00	48.04	1.322497	1.270749	0.9	-3.9	20
Hexachlorobenzene	A	50.00	52.15	0.2557988	0.2668019	0.1	4.3	20
Hexachlorobutadiene	A	50.00	47.94	0.2021383	0.1937915	0.01	-4.1	20
Hexachlorocyclopentadiene	A	50.00	53.26	0.3471121	0.369724	0.05	6.5	20
Hexachloroethane	A	50.00	49.16	0.606057	0.5958747	0.3	-1.7	20
Indeno(1,2,3-cd)pyrene	A	50.00	53.42	1.18309	1.26415	0.5	6.9	20
Isophorone	A	50.00	50.14	0.694789	0.6966766	0.4	0.3	20
1-Methylnaphthalene	A	50.00	48.99	0.5852855	0.5735091	0.01	-2.0	20
2-Methylnaphthalene	A	50.00	48.80	0.6105231	0.5959088	0.4	-2.4	20
2-Methylphenol	A	50.00	55.62	1.15948	1.289707	0.7	11.2	20
3-Methylphenol/4-Methylphenol	A	50.00	56.68	1.219104	1.382089		13.4	20
Naphthalene	A	50.00	49.46	0.9922437	0.9815519	0.7	-1.1	20
4-Nitroaniline	A	50.00	56.66	0.3237232	0.3668483	0.01	13.3	20
3-Nitroaniline	A	50.00	54.36	0.3275855	0.3561294	0.01	8.7	20
2-Nitroaniline	A	50.00	49.27	0.3368371	0.3319477	0.01	-1.5	20
Nitrobenzene	A	50.00	48.82	0.4042427	0.3947328	0.2	-2.4	20
4-Nitrophenol	A	50.00	52.39	0.263969	0.276581	0.05	4.8	20
2-Nitrophenol	A	50.00	58.59	0.1877485	0.2200095	0.1	17.2	20
N-Nitrosodiphenylamine	A	50.00	52.05	0.6783385	0.7061034	0.01	4.1	20
N-Nitroso-di-n-propylamine	A	50.00	50.49	0.977041	0.9865822	0.5	1.0	20
Pentachlorophenol	A	50.00	55.83	0.1662584	0.185653	0.05	11.7	20
Phenanthrene	A	50.00	50.70	1.082295	1.097508	0.7	1.4	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31106	Injection Date:	11/03/12
Lab Sample ID:	2K31106-CCV1	Injection Time:	15:45

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	53.52	1.701202	1.821021	0.8	7.0	20
Pyrene	A	50.00	51.24	1.182005	1.211358	0.6	2.5	20
2,4,6-Trichlorophenol	A	50.00	51.38	0.3893444	0.4000555	0.2	2.8	20
2,4,5-Trichlorophenol	A	50.00	54.05	0.3894227	0.4209942	0.2	8.1	20
2-Fluorobiphenyl	A	50.00	48.86	1.269863	1.241055	0.01	-2.3	20
2-Fluorophenol	A	100.0	106.3	1.119802	1.190451	0.01	6.3	20
Nitrobenzene-d5	A	50.00	49.70	0.3989519	0.3965548	0.01	-0.6	20
Phenol-d6	A	100.0	106.5	1.476584	1.573137	0.01	6.5	20
Terphenyl-d14	A	50.00	58.81	0.755263	0.8883708	0.01	17.6	20
2,4,6-Tribromophenol	A	100.0	109.7	0.1129158	0.1238609	0.01	9.7	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31106	Injection Date:	11/03/12
Lab Sample ID:	2K31106-CCV2	Injection Time:	16:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	51.13	1.761778	1.801701	0.01	2.3	20
Atrazine	A	50.00	53.43	0.2286444	0.2443401	0.01	6.9	20
Benzaldehyde	A	50.00	58.50	0.9974323	1.167054	0.01	17.0	20
Benzidine	A	50.00	69.26	0.650866	0.9015542	0.01	38.5	20 *
1,1-Biphenyl	A	50.00	47.84	1.358172	1.299425	0.01	-4.3	20
Caprolactam	A	50.00	63.10	0.1054972	0.1331347	0.01	26.2	20 *
3,3'-Dichlorobenzidine	A	50.00	62.16	0.3990372	0.4960577	0.01	24.3	20 *

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31110	Injection Date:	11/05/12
Lab Sample ID:	2K31110-CCV1	Injection Time:	15:00

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	48.32	1.10566	1.068632	0.9	-3.3	20
Acenaphthylene	A	50.00	48.87	1.65984	1.62237	0.9	-2.3	20
Anthracene	A	50.00	51.22	1.081887	1.10825	0.7	2.4	20
Benzo(a)anthracene	A	50.00	52.14	1.096178	1.143175	0.8	4.3	20
Benzo(a)pyrene	A	50.00	53.12	1.020199	1.083866	0.7	6.2	20
Benzo(b)fluoranthene	A	50.00	50.91	1.062636	1.081911	0.7	1.8	20
Benzo(g,h,i)perylene	A	50.00	53.82	0.9945587	1.070591	0.5	7.6	20
Benzoic acid	L	50.00	53.21	0.2585828	0.3096019	0.01	6.4	20
Benzo(k)fluoranthene	A	50.00	51.52	1.300594	1.340061	0.7	3.0	20
4-Bromophenyl-phenylether	A	50.00	51.96	0.2362641	0.2455356	0.1	3.9	20
Butylbenzylphthalate	A	50.00	53.48	0.5337897	0.5710052	0.01	7.0	20
Carbazole	A	50.00	52.26	1.029924	1.076573	0.01	4.5	20
4-Chloro-3-methylphenol	A	50.00	52.78	0.3241539	0.3421695	0.2	5.6	20
4-Chloroaniline	A	50.00	51.95	0.4387603	0.4558855	0.01	3.9	20
Bis(2-chloroethoxy)methane	A	50.00	50.90	0.4361706	0.4439829	0.3	1.8	20
Bis(2-chloroethyl)ether	A	50.00	54.99	1.284228	1.412361	0.7	10.0	20
2,2'-Oxybis-1-chloropropane	A	50.00	55.84	1.662963	1.857274	0.01	11.7	20
2-Chloronaphthalene	A	50.00	47.73	1.10867	1.058298	0.8	-4.5	20
2-Chlorophenol	A	50.00	55.83	1.266695	1.414335	0.8	11.7	20
4-Chlorophenyl phenyl ether	A	50.00	48.52	0.6443488	0.6252436	0.4	-3.0	20
Chrysene	A	50.00	48.40	1.072128	1.037929	0.7	-3.2	20
Dibenz(a,h)anthracene	A	50.00	53.94	0.968097	1.044292	0.4	7.9	20
Dibenzofuran	A	50.00	48.53	1.531191	1.486241	0.8	-2.9	20
Di-n-butylphthalate	A	50.00	50.45	1.117323	1.127412	0.01	0.9	20
2,4-Dichlorophenol	A	50.00	53.27	0.3172443	0.3379838	0.2	6.5	20
Diethylphthalate	A	50.00	47.01	1.246346	1.171817	0.01	-6.0	20
2,4-Dimethylphenol	A	50.00	50.19	0.3802932	0.3817735	0.2	0.4	20
Dimethyl phthalate	A	50.00	48.77	1.25703	1.22619	0.01	-2.5	20
4,6-Dinitro-2-methylphenol	L	50.00	56.75	0.1376067	0.1784835	0.01	13.5	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31110	Injection Date:	11/05/12
Lab Sample ID:	2K31110-CCV1	Injection Time:	15:00

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	57.68	0.1586589	0.2233093	0.05	15.4	20
2,4-Dinitrotoluene	A	50.00	51.97	0.4130027	0.4292746	0.2	3.9	20
2,6-Dinitrotoluene	A	50.00	54.05	0.3035821	0.3281915	0.2	8.1	20
Di-n-octylphthalate	A	50.00	53.99	1.122715	1.212401	0.01	8.0	20
1,2-Diphenylhydrazine	A	50.00	48.52	0.7871146	0.7637973	0.01	-3.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	54.34	0.6994262	0.7601067	0.01	8.7	20
Fluoranthene	A	50.00	51.24	1.164281	1.19305	0.6	2.5	20
Fluorene	A	50.00	47.99	1.322497	1.26939	0.9	-4.0	20
Hexachlorobenzene	A	50.00	50.48	0.2557988	0.2582303	0.1	1.0	20
Hexachlorobutadiene	A	50.00	47.51	0.2021383	0.1920867	0.01	-5.0	20
Hexachlorocyclopentadiene	A	50.00	51.48	0.3471121	0.3574081	0.05	3.0	20
Hexachloroethane	A	50.00	50.13	0.606057	0.6075999	0.3	0.3	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.11	1.18309	1.233134	0.5	4.2	20
Isophorone	A	50.00	50.88	0.694789	0.7070712	0.4	1.8	20
1-Methylnaphthalene	A	50.00	50.60	0.5852855	0.5922913	0.01	1.2	20
2-Methylnaphthalene	A	50.00	49.76	0.6105231	0.6075499	0.4	-0.5	20
2-Methylphenol	A	50.00	58.60	1.15948	1.358797	0.7	17.2	20
3-Methylphenol/4-Methylphenol	A	50.00	57.95	1.219104	1.412928		15.9	20
Naphthalene	A	50.00	50.93	0.9922437	1.01065	0.7	1.9	20
4-Nitroaniline	A	50.00	57.13	0.3237232	0.3698903	0.01	14.3	20
3-Nitroaniline	A	50.00	55.35	0.3275855	0.3626543	0.01	10.7	20
2-Nitroaniline	A	50.00	51.92	0.3368371	0.3497938	0.01	3.8	20
Nitrobenzene	A	50.00	49.29	0.4042427	0.3984957	0.2	-1.4	20
4-Nitrophenol	A	50.00	51.39	0.263969	0.2713251	0.05	2.8	20
2-Nitrophenol	A	50.00	58.04	0.1877485	0.2179536	0.1	16.1	20
N-Nitrosodiphenylamine	A	50.00	51.02	0.6783385	0.6921587	0.01	2.0	20
N-Nitroso-di-n-propylamine	A	50.00	53.22	0.977041	1.040042	0.5	6.4	20
Pentachlorophenol	A	50.00	54.87	0.1662584	0.1824552	0.05	9.7	20
Phenanthrene	A	50.00	49.27	1.082295	1.066567	0.7	-1.5	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31110	Injection Date:	11/05/12
Lab Sample ID:	2K31110-CCV1	Injection Time:	15:00

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	56.34	1.701202	1.916766	0.8	12.7	20
Pyrene	A	50.00	51.24	1.182005	1.211412	0.6	2.5	20
2,4,6-Trichlorophenol	A	50.00	50.10	0.3893444	0.3901062	0.2	0.2	20
2,4,5-Trichlorophenol	A	50.00	51.42	0.3894227	0.4005171	0.2	2.8	20
2-Fluorobiphenyl	A	50.00	48.94	1.269863	1.243072	0.01	-2.1	20
2-Fluorophenol	A	100.0	110.5	1.119802	1.237424	0.01	10.5	20
Nitrobenzene-d5	A	50.00	50.88	0.3989519	0.4059776	0.01	1.8	20
Phenol-d6	A	100.0	110.1	1.476584	1.625442	0.01	10.1	20
Terphenyl-d14	A	50.00	56.93	0.755263	0.8599197	0.01	13.9	20
2,4,6-Tribromophenol	A	100.0	105.2	0.1129158	0.1187538	0.01	5.2	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31110	Injection Date:	11/05/12
Lab Sample ID:	2K31110-CCV2	Injection Time:	15:28

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetophenone	A	50.00	52.47	1.761778	1.84882	0.01	4.9	20	
Atrazine	A	50.00	54.41	0.2286444	0.2488141	0.01	8.8	20	
Benzaldehyde	A	50.00	60.13	0.9974323	1.199495	0.01	20.3	20	*
Benzidine	A	50.00	67.04	0.650866	0.8727399	0.01	34.1	20	*
1,1-Biphenyl	A	50.00	47.96	1.358172	1.302875	0.01	-4.1	20	
Caprolactam	A	50.00	63.53	0.1054972	0.134051	0.01	27.1	20	*
3,3'-Dichlorobenzidine	A	50.00	60.12	0.3990372	0.4798073	0.01	20.2	20	*

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/26/12 18:03
Sequence:	2K31204	Injection Date:	11/05/12
Lab Sample ID:	2K31204-CCV1	Injection Time:	15:09

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acenaphthene	A	50.00	52.68	1.104581	1.163855	0.9	5.4	20	
Acenaphthylene	A	50.00	50.30	1.84018	1.851043	0.9	0.6	20	
Anthracene	A	50.00	51.25	1.041855	1.067982	0.7	2.5	20	
Benzo(a)anthracene	A	50.00	52.05	1.194761	1.24379	0.8	4.1	20	
Benzo(a)pyrene	A	50.00	50.52	1.056782	1.067783	0.7	1.0	20	
Benzo(b)fluoranthene	A	50.00	49.48	1.160008	1.147875	0.7	-1.0	20	
Benzo(g,h,i)perylene	A	50.00	51.81	0.9556402	0.9902605	0.5	3.6	20	
Benzoic acid	A	50.00	31.24	0.2287324	0.1428998	0.01	-37.5	20	*
Benzo(k)fluoranthene	A	50.00	50.70	1.193894	1.210609	0.7	1.4	20	
4-Bromophenyl-phenylether	A	50.00	53.40	0.1876197	0.2003879	0.1	6.8	20	
Butylbenzylphthalate	A	50.00	56.85	0.7023635	0.7986447	0.01	13.7	20	
Carbazole	A	50.00	49.52	0.9972784	0.9876751	0.01	-1.0	20	
4-Chloro-3-methylphenol	A	50.00	56.64	0.3117096	0.3531074	0.2	13.3	20	
4-Chloroaniline	A	50.00	49.73	0.4447237	0.4423632	0.01	-0.5	20	
Bis(2-chloroethoxy)methane	A	50.00	48.23	0.4303265	0.4150604	0.3	-3.5	20	
Bis(2-chloroethyl)ether	A	50.00	53.56	1.371713	1.469251	0.7	7.1	20	
2,2'-Oxybis-1-chloropropane	A	50.00	54.78	1.969533	2.157692	0.01	9.6	20	
2-Chloronaphthalene	A	50.00	50.67	1.139168	1.154418	0.8	1.3	20	
2-Chlorophenol	A	50.00	56.09	1.420599	1.593538	0.8	12.2	20	
4-Chlorophenyl phenyl ether	A	50.00	53.05	0.6478706	0.6873458	0.4	6.1	20	
Chrysene	A	50.00	50.09	1.116409	1.118527	0.7	0.2	20	
Dibenz(a,h)anthracene	A	50.00	51.52	0.9571656	0.986339	0.4	3.0	20	
Dibenzofuran	A	50.00	50.08	1.590912	1.59348	0.8	0.2	20	
Di-n-butylphthalate	A	50.00	57.89	1.345652	1.558075	0.01	15.8	20	
2,4-Dichlorophenol	A	50.00	49.75	0.2770677	0.2756846	0.2	-0.5	20	
Diethylphthalate	A	50.00	58.45	1.419629	1.659657	0.01	16.9	20	
2,4-Dimethylphenol	A	50.00	53.60	0.3753517	0.4023759	0.2	7.2	20	
Dimethyl phthalate	A	50.00	52.88	1.345741	1.423247	0.01	5.8	20	
4,6-Dinitro-2-methylphenol	A	50.00	54.97	0.1631567	0.1793897	0.01	9.9	20	

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/26/12 18:03
Sequence:	2K31204	Injection Date:	11/05/12
Lab Sample ID:	2K31204-CCV1	Injection Time:	15:09

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	A	50.00	50.98	0.2426865	0.2474409	0.05	2.0	20
2,4-Dinitrotoluene	A	50.00	55.03	0.4412515	0.4856752	0.2	10.1	20
2,6-Dinitrotoluene	A	50.00	50.17	0.3341051	0.3352295	0.2	0.3	20
Di-n-octylphthalate	L	50.00	51.13	1.625252	1.851866	0.01	2.3	20
1,2-Diphenylhydrazine	A	50.00	51.51	0.8600535	0.8860173	0.01	3.0	20
Bis(2-ethylhexyl)phthalate	A	50.00	55.03	0.906002	0.9971418	0.01	10.1	20
Fluoranthene	A	50.00	55.52	1.121686	1.245477	0.6	11.0	20
Fluorene	A	50.00	50.96	1.291009	1.315698	0.9	1.9	20
Hexachlorobenzene	A	50.00	53.74	0.2127339	0.2286296	0.1	7.5	20
Hexachlorobutadiene	A	50.00	59.07	0.1878684	0.2219429	0.01	18.1	20
Hexachlorocyclopentadiene	A	50.00	57.47	0.3883047	0.4462996	0.05	14.9	20
Hexachloroethane	A	50.00	60.68	0.6620999	0.8035459	0.3	21.4	20 *
Indeno(1,2,3-cd)pyrene	A	50.00	50.81	1.128654	1.146856	0.5	1.6	20
Isophorone	A	50.00	50.88	0.6907435	0.7029279	0.4	1.8	20
1-Methylnaphthalene	A	50.00	52.64	0.5245967	0.5523091	0.01	5.3	20
2-Methylnaphthalene	A	50.00	50.21	0.5500879	0.5523726	0.4	0.4	20
2-Methylphenol	A	50.00	56.85	1.23516	1.404467	0.7	13.7	20
3-Methylphenol/4-Methylphenol	A	50.00	57.62	1.283491	1.479108		15.2	20
Naphthalene	A	50.00	48.13	1.045138	1.005984	0.7	-3.7	20
4-Nitroaniline	A	50.00	51.91	0.3726718	0.3868917	0.01	3.8	20
3-Nitroaniline	A	50.00	50.68	0.3814709	0.3867011	0.01	1.4	20
2-Nitroaniline	A	50.00	58.20	0.3519549	0.4096622	0.01	16.4	20
Nitrobenzene	A	50.00	54.40	0.3806992	0.4142166	0.2	8.8	20
4-Nitrophenol	A	50.00	58.38	0.2753243	0.3214856	0.05	16.8	20
2-Nitrophenol	A	50.00	49.10	0.2015288	0.1979188	0.1	-1.8	20
N-Nitrosodiphenylamine	A	50.00	48.13	0.6060824	0.583471	0.01	-3.7	20
N-Nitroso-di-n-propylamine	A	50.00	60.13	0.9264115	1.114181	0.5	20.3	20 *
Pentachlorophenol	A	50.00	49.76	0.1483397	0.147644	0.05	-0.5	20
Phenanthrene	A	50.00	49.67	1.036309	1.029481	0.7	-0.7	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/26/12 18:03
Sequence:	2K31204	Injection Date:	11/05/12
Lab Sample ID:	2K31204-CCV1	Injection Time:	15:09

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	53.10	1.847752	1.962308	0.8	6.2	20
Pyrene	A	50.00	50.61	1.419209	1.436424	0.6	1.2	20
2,4,6-Trichlorophenol	A	50.00	55.64	0.4040255	0.4495618	0.2	11.3	20
2,4,5-Trichlorophenol	A	50.00	55.72	0.4126243	0.4598156	0.2	11.4	20
2-Fluorobiphenyl	A	50.00	51.52	1.304973	1.344767	0.01	3.0	20
2-Fluorophenol	A	100.0	105.1	1.364318	1.43371	0.01	5.1	20
Nitrobenzene-d5	A	50.00	54.40	0.3758829	0.4089818	0.01	8.8	20
Phenol-d6	A	100.0	106.5	1.657278	1.764918	0.01	6.5	20
Terphenyl-d14	A	50.00	60.26	0.7922755	0.954929	0.01	20.5	20 *
2,4,6-Tribromophenol	A	100.0	112.6	0.1150921	0.1296572	0.01	12.7	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/26/12 18:03
Sequence:	2K31204	Injection Date:	11/05/12
Lab Sample ID:	2K31204-CCV2	Injection Time:	15:36

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	59.28	1.774174	2.103565	0.01	18.6	20
Atrazine	A	50.00	55.22	0.2021629	0.2232862	0.01	10.4	20
Benzaldehyde	A	50.00	60.38	1.006348	1.215328	0.01	20.8	20 *
Benzidine	A	50.00	60.38	0.7586683	0.9162057	0.01	20.8	20 *
1,1-Biphenyl	A	50.00	47.21	1.416163	1.337029	0.01	-5.6	20
Caprolactam	A	50.00	54.65	0.1025421	0.1120708	0.01	9.3	20
3,3'-Dichlorobenzidine	A	50.00	58.63	0.4083764	0.4788749	0.01	17.3	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV3.D	Calibration Date:	09/26/12 18:03
Sequence:	2K31208	Injection Date:	11/06/12
Lab Sample ID:	2K31208-CCV1	Injection Time:	02:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	50.14	1.104581	1.107586	0.9	0.3	20
Acenaphthylene	A	50.00	50.52	1.84018	1.859138	0.9	1.0	20
Anthracene	A	50.00	53.26	1.041855	1.109906	0.7	6.5	20
Benzo(a)anthracene	A	50.00	51.80	1.194761	1.23782	0.8	3.6	20
Benzo(a)pyrene	A	50.00	51.59	1.056782	1.09033	0.7	3.2	20
Benzo(b)fluoranthene	A	50.00	52.06	1.160008	1.207899	0.7	4.1	20
Benzo(g,h,i)perylene	A	50.00	51.28	0.9556402	0.9800539	0.5	2.6	20
Benzoic acid	A	50.00	41.60	0.2287324	0.1903208	0.01	-16.8	20
Benzo(k)fluoranthene	A	50.00	49.98	1.193894	1.193509	0.7	-0.03	20
4-Bromophenyl-phenylether	A	50.00	55.48	0.1876197	0.2081888	0.1	11.0	20
Butylbenzylphthalate	A	50.00	57.78	0.7023635	0.8116848	0.01	15.6	20
Carbazole	A	50.00	52.23	0.9972784	1.041681	0.01	4.5	20
4-Chloro-3-methylphenol	A	50.00	53.52	0.3117096	0.3336888	0.2	7.1	20
4-Chloroaniline	A	50.00	51.26	0.4447237	0.4559684	0.01	2.5	20
Bis(2-chloroethoxy)methane	A	50.00	50.53	0.4303265	0.4349084	0.3	1.1	20
Bis(2-chloroethyl)ether	A	50.00	54.13	1.371713	1.485015	0.7	8.3	20
2,2'-Oxybis-1-chloropropane	A	50.00	52.74	1.969533	2.077648	0.01	5.5	20
2-Chloronaphthalene	A	50.00	50.72	1.139168	1.155659	0.8	1.4	20
2-Chlorophenol	A	50.00	54.75	1.420599	1.555582	0.8	9.5	20
4-Chlorophenyl phenyl ether	A	50.00	49.71	0.6478706	0.6441142	0.4	-0.6	20
Chrysene	A	50.00	49.86	1.116409	1.113289	0.7	-0.3	20
Dibenz(a,h)anthracene	A	50.00	52.03	0.9571656	0.9960846	0.4	4.1	20
Dibenzofuran	A	50.00	51.67	1.590912	1.644064	0.8	3.3	20
Di-n-butylphthalate	A	50.00	57.70	1.345652	1.552992	0.01	15.4	20
2,4-Dichlorophenol	A	50.00	51.18	0.2770677	0.2835976	0.2	2.4	20
Diethylphthalate	A	50.00	55.28	1.419629	1.569584	0.01	10.6	20
2,4-Dimethylphenol	A	50.00	51.74	0.3753517	0.3884324	0.2	3.5	20
Dimethyl phthalate	A	50.00	51.84	1.345741	1.395329	0.01	3.7	20
4,6-Dinitro-2-methylphenol	A	50.00	51.80	0.1631567	0.1690291	0.01	3.6	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV3.D	Calibration Date:	09/26/12 18:03
Sequence:	2K31208	Injection Date:	11/06/12
Lab Sample ID:	2K31208-CCV1	Injection Time:	02:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	A	50.00	50.67	0.2426865	0.2459467	0.05	1.3	20
2,4-Dinitrotoluene	A	50.00	53.44	0.4412515	0.4715667	0.2	6.9	20
2,6-Dinitrotoluene	A	50.00	52.55	0.3341051	0.351152	0.2	5.1	20
Di-n-octylphthalate	L	50.00	51.82	1.625252	1.878657	0.01	3.6	20
1,2-Diphenylhydrazine	A	50.00	53.11	0.8600535	0.9135101	0.01	6.2	20
Bis(2-ethylhexyl)phthalate	A	50.00	56.50	0.906002	1.02377	0.01	13.0	20
Fluoranthene	A	50.00	54.57	1.121686	1.224314	0.6	9.1	20
Fluorene	A	50.00	52.73	1.291009	1.361425	0.9	5.5	20
Hexachlorobenzene	A	50.00	52.70	0.2127339	0.2242276	0.1	5.4	20
Hexachlorobutadiene	A	50.00	54.39	0.1878684	0.204365	0.01	8.8	20
Hexachlorocyclopentadiene	A	50.00	52.51	0.3883047	0.4078047	0.05	5.0	20
Hexachloroethane	A	50.00	54.81	0.6620999	0.725794	0.3	9.6	20
Indeno(1,2,3-cd)pyrene	A	50.00	52.01	1.128654	1.173959	0.5	4.0	20
Isophorone	A	50.00	51.85	0.6907435	0.7163142	0.4	3.7	20
1-Methylnaphthalene	A	50.00	52.72	0.5245967	0.5531627	0.01	5.4	20
2-Methylnaphthalene	A	50.00	50.37	0.5500879	0.5542112	0.4	0.7	20
2-Methylphenol	A	50.00	55.22	1.23516	1.364001	0.7	10.4	20
3-Methylphenol/4-Methylphenol	A	50.00	55.91	1.283491	1.435136		11.8	20
Naphthalene	A	50.00	49.16	1.045138	1.027496	0.7	-1.7	20
4-Nitroaniline	A	50.00	53.04	0.3726718	0.3953162	0.01	6.1	20
3-Nitroaniline	A	50.00	49.97	0.3814709	0.3812318	0.01	-0.06	20
2-Nitroaniline	A	50.00	53.79	0.3519549	0.3786576	0.01	7.6	20
Nitrobenzene	A	50.00	51.97	0.3806992	0.3956748	0.2	3.9	20
4-Nitrophenol	A	50.00	54.06	0.2753243	0.2976739	0.05	8.1	20
2-Nitrophenol	A	50.00	51.94	0.2015288	0.209329	0.1	3.9	20
N-Nitrosodiphenylamine	A	50.00	52.95	0.6060824	0.6418226	0.01	5.9	20
N-Nitroso-di-n-propylamine	A	50.00	57.97	0.9264115	1.07409	0.5	15.9	20
Pentachlorophenol	A	50.00	49.30	0.1483397	0.1462684	0.05	-1.4	20
Phenanthrene	A	50.00	51.96	1.036309	1.077052	0.7	3.9	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV3.D	Calibration Date:	09/26/12 18:03
Sequence:	2K31208	Injection Date:	11/06/12
Lab Sample ID:	2K31208-CCV1	Injection Time:	02:59

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	50.30	1.847752	1.858689	0.8	0.6	20
Pyrene	A	50.00	53.02	1.419209	1.504813	0.6	6.0	20
2,4,6-Trichlorophenol	A	50.00	53.75	0.4040255	0.4342985	0.2	7.5	20
2,4,5-Trichlorophenol	A	50.00	54.44	0.4126243	0.449241	0.2	8.9	20
2-Fluorobiphenyl	A	50.00	52.67	1.304973	1.374558	0.01	5.3	20
2-Fluorophenol	A	100.0	105.6	1.364318	1.441214	0.01	5.6	20
Nitrobenzene-d5	A	50.00	53.34	0.3758829	0.4010019	0.01	6.7	20
Phenol-d6	A	100.0	104.7	1.657278	1.735979	0.01	4.7	20
Terphenyl-d14	A	50.00	60.02	0.7922755	0.9509852	0.01	20.0	20
2,4,6-Tribromophenol	A	100.0	109.3	0.1150921	0.1257999	0.01	9.3	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA1	Calibration:	2272005
Lab File ID:	SEQ-CCV4.D	Calibration Date:	09/26/12 18:03
Sequence:	2K31208	Injection Date:	11/06/12
Lab Sample ID:	2K31208-CCV2	Injection Time:	03:26

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acetophenone	A	50.00	58.66	1.774174	2.08141	0.01	17.3	20
Atrazine	A	50.00	56.00	0.2021629	0.2264277	0.01	12.0	20
Benzaldehyde	A	50.00	59.24	1.006348	1.192378	0.01	18.5	20
Benzidine	A	50.00	62.16	0.7586683	0.9432221	0.01	24.3	20 *
1,1-Biphenyl	A	50.00	48.82	1.416163	1.382804	0.01	-2.4	20
Caprolactam	A	50.00	57.68	0.1025421	0.1182842	0.01	15.4	20
3,3'-Dichlorobenzidine	A	50.00	55.88	0.4083764	0.4563657	0.01	11.8	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31410	Injection Date:	11/06/12
Lab Sample ID:	2K31410-CCV1	Injection Time:	14:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Acenaphthene	A	50.00	47.88	1.10566	1.058898	0.9	-4.2	20
Acenaphthylene	A	50.00	48.45	1.65984	1.608464	0.9	-3.1	20
Anthracene	A	50.00	51.28	1.081887	1.109677	0.7	2.6	20
Benzo(a)anthracene	A	50.00	51.31	1.096178	1.125003	0.8	2.6	20
Benzo(a)pyrene	A	50.00	51.72	1.020199	1.055407	0.7	3.5	20
Benzo(b)fluoranthene	A	50.00	50.97	1.062636	1.083224	0.7	1.9	20
Benzo(g,h,i)perylene	A	50.00	52.41	0.9945587	1.042449	0.5	4.8	20
Benzoic acid	L	50.00	52.79	0.2585828	0.3069608	0.01	5.6	20
Benzo(k)fluoranthene	A	50.00	48.82	1.300594	1.26993	0.7	-2.4	20
4-Bromophenyl-phenylether	A	50.00	51.89	0.2362641	0.2451821	0.1	3.8	20
Butylbenzylphthalate	A	50.00	52.78	0.5337897	0.5634819	0.01	5.6	20
Carbazole	A	50.00	52.56	1.029924	1.082688	0.01	5.1	20
4-Chloro-3-methylphenol	A	50.00	53.77	0.3241539	0.3486146	0.2	7.5	20
4-Chloroaniline	A	50.00	52.65	0.4387603	0.4620283	0.01	5.3	20
Bis(2-chloroethoxy)methane	A	50.00	51.49	0.4361706	0.4492044	0.3	3.0	20
Bis(2-chloroethyl)ether	A	50.00	53.90	1.284228	1.384363	0.7	7.8	20
2,2'-Oxybis-1-chloropropane	A	50.00	52.80	1.662963	1.755993	0.01	5.6	20
2-Chloronaphthalene	A	50.00	48.23	1.10867	1.069359	0.8	-3.5	20
2-Chlorophenol	A	50.00	54.01	1.266695	1.368243	0.8	8.0	20
4-Chlorophenyl phenyl ether	A	50.00	49.09	0.6443488	0.6326403	0.4	-1.8	20
Chrysene	A	50.00	47.93	1.072128	1.027763	0.7	-4.1	20
Dibenz(a,h)anthracene	A	50.00	52.80	0.968097	1.022403	0.4	5.6	20
Dibenzofuran	A	50.00	47.98	1.531191	1.46949	0.8	-4.0	20
Di-n-butylphthalate	A	50.00	51.15	1.117323	1.143069	0.01	2.3	20
2,4-Dichlorophenol	A	50.00	53.50	0.3172443	0.3394499	0.2	7.0	20
Diethylphthalate	A	50.00	46.17	1.246346	1.150971	0.01	-7.7	20
2,4-Dimethylphenol	A	50.00	49.73	0.3802932	0.3782357	0.2	-0.5	20
Dimethyl phthalate	A	50.00	49.22	1.25703	1.237513	0.01	-1.6	20
4,6-Dinitro-2-methylphenol	L	50.00	58.86	0.1376067	0.1855785	0.01	17.7	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31410	Injection Date:	11/06/12
Lab Sample ID:	2K31410-CCV1	Injection Time:	14:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
2,4-Dinitrophenol	L	50.00	57.58	0.1586589	0.2228702	0.05	15.2	20
2,4-Dinitrotoluene	A	50.00	51.59	0.4130027	0.4261228	0.2	3.2	20
2,6-Dinitrotoluene	A	50.00	52.44	0.3035821	0.3183982	0.2	4.9	20
Di-n-octylphthalate	A	50.00	53.20	1.122715	1.194535	0.01	6.4	20
1,2-Diphenylhydrazine	A	50.00	49.15	0.7871146	0.7737929	0.01	-1.7	20
Bis(2-ethylhexyl)phthalate	A	50.00	53.32	0.6994262	0.7459233	0.01	6.6	20
Fluoranthene	A	50.00	52.17	1.164281	1.214769	0.6	4.3	20
Fluorene	A	50.00	47.84	1.322497	1.265494	0.9	-4.3	20
Hexachlorobenzene	A	50.00	51.50	0.2557988	0.2634605	0.1	3.0	20
Hexachlorobutadiene	A	50.00	48.49	0.2021383	0.1960272	0.01	-3.0	20
Hexachlorocyclopentadiene	A	50.00	51.46	0.3471121	0.3572852	0.05	2.9	20
Hexachloroethane	A	50.00	48.11	0.606057	0.5831544	0.3	-3.8	20
Indeno(1,2,3-cd)pyrene	A	50.00	51.17	1.18309	1.210817	0.5	2.3	20
Isophorone	A	50.00	51.37	0.694789	0.7138439	0.4	2.7	20
1-Methylnaphthalene	A	50.00	50.27	0.5852855	0.5884096	0.01	0.5	20
2-Methylnaphthalene	A	50.00	50.38	0.6105231	0.6152274	0.4	0.8	20
2-Methylphenol	A	50.00	56.54	1.15948	1.311271	0.7	13.1	20
3-Methylphenol/4-Methylphenol	A	50.00	56.87	1.219104	1.386597		13.7	20
Naphthalene	A	50.00	50.62	0.9922437	1.004504	0.7	1.2	20
4-Nitroaniline	A	50.00	56.80	0.3237232	0.3677565	0.01	13.6	20
3-Nitroaniline	A	50.00	54.67	0.3275855	0.3582073	0.01	9.3	20
2-Nitroaniline	A	50.00	50.04	0.3368371	0.3370792	0.01	0.07	20
Nitrobenzene	A	50.00	50.35	0.4042427	0.4070811	0.2	0.7	20
4-Nitrophenol	A	50.00	50.77	0.263969	0.268056	0.05	1.5	20
2-Nitrophenol	A	50.00	59.57	0.1877485	0.2236693	0.1	19.1	20
N-Nitrosodiphenylamine	A	50.00	51.66	0.6783385	0.7007962	0.01	3.3	20
N-Nitroso-di-n-propylamine	A	50.00	50.93	0.977041	0.9952735	0.5	1.9	20
Pentachlorophenol	A	50.00	55.49	0.1662584	0.184512	0.05	11.0	20
Phenanthrene	A	50.00	49.01	1.082295	1.060922	0.7	-2.0	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV1.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31410	Injection Date:	11/06/12
Lab Sample ID:	2K31410-CCV1	Injection Time:	14:58

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Phenol	A	50.00	54.48	1.701202	1.853641	0.8	9.0	20
Pyrene	A	50.00	51.28	1.182005	1.212301	0.6	2.6	20
2,4,6-Trichlorophenol	A	50.00	50.99	0.3893444	0.3970902	0.2	2.0	20
2,4,5-Trichlorophenol	A	50.00	51.84	0.3894227	0.4037339	0.2	3.7	20
2-Fluorobiphenyl	A	50.00	48.61	1.269863	1.234467	0.01	-2.8	20
2-Fluorophenol	A	100.0	106.8	1.119802	1.195929	0.01	6.8	20
Nitrobenzene-d5	A	50.00	50.99	0.3989519	0.406873	0.01	2.0	20
Phenol-d6	A	100.0	106.7	1.476584	1.575417	0.01	6.7	20
Terphenyl-d14	A	50.00	58.30	0.755263	0.8806593	0.01	16.6	20
2,4,6-Tribromophenol	A	100.0	110.2	0.1129158	0.1244436	0.01	10.2	20

CONTINUING CALIBRATION CHECK

SW8270D

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	MS-BNA3	Calibration:	2261001
Lab File ID:	SEQ-CCV2.D	Calibration Date:	09/11/12 10:38
Sequence:	2K31410	Injection Date:	11/06/12
Lab Sample ID:	2K31410-CCV2	Injection Time:	15:25

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT		
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)	
Acetophenone	A	50.00	51.28	1.761778	1.807068	0.01	2.6	20	
Atrazine	A	50.00	52.54	0.2286444	0.2402393	0.01	5.1	20	
Benzaldehyde	A	50.00	60.32	0.9974323	1.203209	0.01	20.6	20	*
Benzidine	A	50.00	65.19	0.650866	0.8486342	0.01	30.4	20	*
1,1-Biphenyl	A	50.00	47.12	1.358172	1.280073	0.01	-5.8	20	
Caprolactam	A	50.00	63.23	0.1054972	0.1334071	0.01	26.5	20	*
3,3'-Dichlorobenzidine	A	50.00	59.16	0.3990372	0.4721082	0.01	18.3	20	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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
GW0754	10/16/12 16:26	10/17/12 08:10	10/23/12 09:20	6.66	7.00	11/04/12 00:30	11.63	40.00	
GW0808	10/16/12 16:09	10/17/12 08:10	10/23/12 09:20	6.67	7.00	11/04/12 00:58	11.65	40.00	
GW0809	10/16/12 13:59	10/17/12 08:10	10/23/12 09:20	6.76	7.00	11/04/12 01:25	11.67	40.00	
GW0810	10/16/12 13:59	10/17/12 08:10	10/23/12 09:20	6.76	7.00	11/04/12 01:52	11.69	40.00	
GW0811	10/16/12 11:32	10/17/12 08:10	10/23/12 09:20	6.87	7.00	11/04/12 02:20	11.71	40.00	
GW0825	10/15/12 15:54	10/17/12 08:10	10/19/12 12:23	3.81	7.00	10/23/12 01:59	3.57	40.00	
GW0826	10/15/12 11:13	10/17/12 08:10	10/19/12 12:23	4.01	7.00	10/23/12 02:26	3.59	40.00	
GW0827	10/15/12 13:37	10/17/12 08:10	10/19/12 12:23	3.91	7.00	10/23/12 02:53	3.60	40.00	
GW0855	10/16/12 14:01	10/17/12 08:10	10/19/12 12:23	2.89	7.00	10/23/12 03:21	3.62	40.00	
GW0856	10/16/12 14:01	10/17/12 08:10	10/19/12 12:23	2.89	7.00	10/23/12 03:48	3.64	40.00	
GW0857	10/16/12 11:28	10/17/12 08:10	10/19/12 12:23	3.00	7.00	10/23/12 04:15	3.66	40.00	
GW0861	10/15/12 16:23	10/17/12 08:10	10/19/12 12:23	3.79	7.00	10/23/12 04:42	3.68	40.00	
GW0862	10/15/12 13:40	10/17/12 08:10	10/19/12 12:23	3.90	7.00	10/23/12 05:09	3.70	40.00	
GW0863	10/15/12 11:03	10/17/12 08:10	10/19/12 12:23	4.01	7.00	10/23/12 05:36	3.72	40.00	
GW0774	10/18/12 15:43	10/19/12 17:15	10/25/12 11:00	6.76	7.00	11/05/12 22:26	11.48	40.00	
GW0789	10/18/12 15:34	10/19/12 17:15	10/25/12 11:00	6.77	7.00	11/05/12 22:53	11.50	40.00	
GW0790	10/18/12 13:33	10/19/12 17:15	10/25/12 11:00	6.85	7.00	11/05/12 23:21	11.51	40.00	
GW0791	10/18/12 11:09	10/19/12 17:15	10/25/12 11:00	6.95	7.00	11/05/12 23:49	11.53	40.00	
GW0799	10/17/12 16:07	10/19/12 17:15	10/24/12 09:15	6.67	7.00	11/06/12 05:14	12.83	40.00	
GW0800	10/17/12 13:35	10/19/12 17:15	10/24/12 09:15	6.78	7.00	11/06/12 05:41	12.85	40.00	
GW0801	10/17/12 11:06	10/19/12 17:15	10/24/12 09:15	6.88	7.00	11/06/12 06:09	12.87	40.00	
GW0854	10/18/12 12:49	10/19/12 17:15	10/25/12 11:00	6.88	7.00	11/06/12 00:16	11.55	40.00	
GW0864	10/17/12 16:11	10/19/12 17:15	10/24/12 09:15	6.67	7.00	11/06/12 06:36	12.89	40.00	
GW0865	10/17/12 13:23	10/19/12 17:15	10/24/12 09:15	6.79	7.00	11/06/12 07:03	12.91	40.00	

HOLDING TIME SUMMARY

SW8270D

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

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
GW0866	10/17/12 13:23	10/19/12 17:15	10/24/12 09:15	6.79	7.00	11/06/12 07:30	12.93	40.00	
GW0867	10/17/12 10:41	10/19/12 17:15	10/22/12 13:30	5.08	7.00	11/06/12 18:38	15.21	40.00	

Data for SW8011 Forms

Sample Extraction Data

Prep Method: EDB-SW8011

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-05 [GW0809]	2J19010	35.00/35.00	36.7	35.0	1.00		10/19/12
1210178-07 [GW0810]	2J19010	35.00/35.00	36.0	35.0	1.00		10/19/12
1210178-09 [GW0811]	2J19010	35.00/35.00	36.3	35.0	1.00		10/19/12
1210178-11 [GW0825]	2J19010	35.00/35.00	37.4	35.0	1.00		10/19/12
1210178-13 [GW0826]	2J19010	35.00/35.00	37.6	35.0	1.00		10/19/12
1210178-15 [GW0827]	2J19010	35.00/35.00	36.7	35.0	1.00		10/19/12
1210178-17 [GW0855]	2J19010	35.00/35.00	36.7	35.0	1.00		10/19/12
1210178-19 [GW0856]	2J19010	35.00/35.00	36.9	35.0	1.00		10/19/12
1210178-21 [GW0857]	2J19010	35.00/35.00	37.6	35.0	1.00		10/19/12
1210178-23 [GW0861]	2J19010	35.00/35.00	37.5	35.0	1.00		10/19/12
1210178-25 [GW0862]	2J19010	35.00/35.00	37.2	35.0	1.00		10/19/12
1210178-27 [GW0863]	2J19010	35.00/35.00	37.5	35.0	1.00		10/19/12

Sample Extraction Data

Prep Method: EDB-SW8011

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2J24030	35.00/35.00	37.1	35.0	1.00		10/24/12
1210178-03RE1 [GW0808]	2J24030	35.00/35.00	37.6	35.0	5.00		10/24/12
1210200-01 [GW0774]	2J24030	35.00/35.00	36.7	35.0	1.00		10/24/12
1210200-03RE1 [GW0789]	2J24030	35.00/35.00	37.5	35.0	1.00		10/24/12
1210200-05 [GW0790]	2J24030	35.00/35.00	37.2	35.0	1.00		10/24/12
1210200-07 [GW0791]	2J24030	35.00/35.00	37.9	35.0	1.00		10/24/12
1210200-09 [GW0799]	2J24030	35.00/35.00	37.4	35.0	1.00		10/24/12
1210200-11 [GW0800]	2J24030	35.00/35.00	36.8	35.0	1.00		10/24/12
1210200-13 [GW0801]	2J24030	35.00/35.00	36.7	35.0	1.00		10/24/12
1210200-15 [GW0854]	2J24030	35.00/35.00	37.5	35.0	1.00		10/24/12
1210200-17 [GW0864]	2J24030	35.00/35.00	37.1	35.0	1.00		10/24/12
1210200-19 [GW0865]	2J24030	35.00/35.00	37.3	35.0	1.00		10/24/12
1210200-21 [GW0866]	2J24030	35.00/35.00	37.1	35.0	1.00		10/24/12
1210200-23 [GW0867]	2J24030	35.00/35.00	36.9	35.0	1.00		10/24/12

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-01	File ID:	024F0101.D
Sampled:	10/16/12 16:26	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 23:38
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	0.301	0.00944	0.0189	0.0283	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.877	1.532	81.6	30 - 130	
1,3-Dibromopropane [2C]	1.877	1.439	76.7	30 - 130	

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-03RE1	File ID:	003F0101.D
Sampled:	10/16/12 16:09	Prepared:	10/24/12 12:48	Analyzed:	10/30/12 10:56
Solids:		Preparation:	EDB	Dilution:	5

Batch: 2J24030 Sequence: 2K30709 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	2.52	0.0465	0.0930	0.139	D

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.849	2.901	157	30 - 130	*
1,3-Dibromopropane [2C]	1.849	1.939	105	30 - 130	

ANALYSIS DATA SHEET

GW0809

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-05	File ID:	014R0101.D
Sampled:	10/16/12 13:59	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 10:30
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.866	0.00954	0.0191	0.0286	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.897	1.756	92.6	30 - 130	
1,3-Dibromopropane [2C]	1.897	1.539	81.1	30 - 130	

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-07	File ID:	015R0101.D
Sampled:	10/16/12 13:59	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 10:52
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.896	0.00974	0.0195	0.0292	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.936	1.856	95.8	30 - 130	
1,3-Dibromopropane [2C]	1.936	1.601	82.7	30 - 130	

ANALYSIS DATA SHEET

GW0811

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-09	File ID:	016R0101.D
Sampled:	10/16/12 11:32	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 11:13
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.342	0.00963	0.0193	0.0289	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.915	1.739	90.8	30 - 130	
1,3-Dibromopropane [2C]	1.915	1.596	83.3	30 - 130	

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-11	File ID:	018R0101.D
Sampled:	10/15/12 15:54	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 11:56
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.199	0.00937	0.0187	0.0281	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.863	1.773	95.2	30 - 130	
1,3-Dibromopropane [2C]	1.863	1.583	85.0	30 - 130	

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-13	File ID:	019R0101.D
Sampled:	10/15/12 11:13	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 12:18
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00930	0.0186	0.0279	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.849	1.561	84.4	30 - 130	
1,3-Dibromopropane [2C]	1.849	1.427	77.2	30 - 130	

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-15	File ID:	020R0101.D
Sampled:	10/15/12 13:37	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 12:39
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.650	0.00953	0.0191	0.0286	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.895	1.655	87.3	30 - 130	
1,3-Dibromopropane [2C]	1.895	1.514	79.9	30 - 130	

ANALYSIS DATA SHEET

GW0855

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-17	File ID:	021F0101.D
Sampled:	10/16/12 14:01	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 13:01
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00954	0.0191	0.0286	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.898	1.855	97.7	30 - 130	
1,3-Dibromopropane [2C]	1.898	1.699	89.5	30 - 130	

ANALYSIS DATA SHEET

GW0856

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-19	File ID:	022R0101.D
Sampled:	10/16/12 14:01	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 13:22
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00948	0.0190	0.0284	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.886	1.709	90.6	30 - 130	
1,3-Dibromopropane [2C]	1.886	1.561	82.8	30 - 130	

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-21	File ID:	023R0101.D
Sampled:	10/16/12 11:28	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 13:44
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00932	0.0186	0.0280	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.853	1.649	89.0	30 - 130	
1,3-Dibromopropane [2C]	1.853	1.499	80.9	30 - 130	

ANALYSIS DATA SHEET

GW0861

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-23	File ID:	024R0101.D
Sampled:	10/15/12 16:23	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 14:05
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00932	0.0186	0.0280	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.854	1.465	79.0	30 - 130	
1,3-Dibromopropane [2C]	1.854	1.329	71.7	30 - 130	

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-25	File ID:	025F0101.D
Sampled:	10/15/12 13:40	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 14:27
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00940	0.0188	0.0282	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.870	1.584	84.7	30 - 130	
1,3-Dibromopropane [2C]	1.870	1.444	77.2	30 - 130	

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-27	File ID:	026R0101.D
Sampled:	10/15/12 11:03	Prepared:	10/19/12 07:51	Analyzed:	10/20/12 14:49
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J19010 Sequence: 2J29807 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00934	0.0187	0.0280	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.857	1.262	67.9	30 - 130	
1,3-Dibromopropane [2C]	1.857	1.136	61.2	30 - 130	

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-01	File ID:	012R0101.D
Sampled:	10/18/12 15:43	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 19:23
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	0.543	0.00955	0.0191	0.0286	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.899	1.842	97.0	30 - 130	
1,3-Dibromopropane [2C]	1.899	1.591	83.8	30 - 130	

ANALYSIS DATA SHEET

GW0789

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-03RE1	File ID:	004R0101.D
Sampled:	10/18/12 15:34	Prepared:	10/24/12 12:48	Analyzed:	10/30/12 11:17
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2K30709 Calibration: 2292002 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	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.855	1.658	89.3	30 - 130	
1,3-Dibromopropane [2C]	1.855	1.453	78.3	30 - 130	

ANALYSIS DATA SHEET

GW0790

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-05	File ID:	014R0101.D
Sampled:	10/18/12 13:33	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 20:06
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 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	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.870	1.338	71.6	30 - 130	
1,3-Dibromopropane [2C]	1.870	1.397	74.7	30 - 130	

ANALYSIS DATA SHEET

GW0791

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-07	File ID:	015R0101.D
Sampled:	10/18/12 11:09	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 20:27
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00923	0.0185	0.0277	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.837	1.338	72.9	30 - 130	
1,3-Dibromopropane [2C]	1.837	1.398	76.1	30 - 130	

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-09	File ID:	016R0101.D
Sampled:	10/17/12 16:07	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 20:48
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00937	0.0187	0.0281	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.863	1.510	81.1	30 - 130	
1,3-Dibromopropane [2C]	1.863	1.551	83.2	30 - 130	

ANALYSIS DATA SHEET

GW0800

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-11	File ID:	017R0101.D
Sampled:	10/17/12 13:35	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 21:09
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00952	0.0190	0.0286	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.894	1.523	80.4	30 - 130	
1,3-Dibromopropane [2C]	1.894	1.535	81.1	30 - 130	

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-13	File ID:	018R0101.D
Sampled:	10/17/12 11:06	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 21:31
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00954	0.0191	0.0286	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.898	1.499	79.0	30 - 130	
1,3-Dibromopropane [2C]	1.898	1.495	78.8	30 - 130	

ANALYSIS DATA SHEET

GW0854

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-15	File ID:	020R0101.D
Sampled:	10/18/12 12:49	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 22:13
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 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	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.856	1.375	74.1	30 - 130	
1,3-Dibromopropane [2C]	1.856	1.330	71.6	30 - 130	

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-17	File ID:	021F0101.D
Sampled:	10/17/12 16:11	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 22:34
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00942	0.0188	0.0283	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.874	1.715	91.5	30 - 130	
1,3-Dibromopropane [2C]	1.874	1.642	87.6	30 - 130	

ANALYSIS DATA SHEET

GW0865

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-19	File ID:	022R0101.D
Sampled:	10/17/12 13:23	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 22:56
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 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	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.868	1.572	84.2	30 - 130	
1,3-Dibromopropane [2C]	1.868	1.496	80.1	30 - 130	

ANALYSIS DATA SHEET

GW0866

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-21	File ID:	023R0101.D
Sampled:	10/17/12 13:23	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 23:17
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00944	0.0189	0.0283	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.878	1.565	83.3	30 - 130	
1,3-Dibromopropane [2C]	1.878	1.489	79.3	30 - 130	

ANALYSIS DATA SHEET

GW0867

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-23	File ID:	010R0101.D
Sampled:	10/17/12 10:41	Prepared:	10/24/12 12:48	Analyzed:	10/24/12 18:40
Solids:		Preparation:	EDB	Dilution:	1

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.00949	0.0190	0.0285	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.887	1.891	100	30 - 130	
1,3-Dibromopropane [2C]	1.887	1.654	87.7	30 - 130	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29807	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29807-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 10/20/12 06:12		
1,3-Dibromopropane	1.989	102	80 - 120	6.023	6.023	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	99.8	80 - 120	6.076	6.076	0.0000	+/-0.030	
Blank (2J19010-BLK1) ug/L				Lab File ID: 003F0101.D		Analyzed: 10/20/12 06:34		
1,3-Dibromopropane	1.989	94.0	30 - 130	6.016	6.023	-0.0070	+/-0.030	
1,3-Dibromopropane [2C]	1.989	93.6	30 - 130	6.07	6.076	-0.0060	+/-0.030	
LCS (2J19010-BS1) ug/L				Lab File ID: 004F0101.D		Analyzed: 10/20/12 06:55		
1,3-Dibromopropane	1.989	98.9	30 - 130	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.989	97.3	30 - 130	6.066	6.076	-0.0100	+/-0.030	
GW0809 (1210178-05) ug/L				Lab File ID: 014F0101.D		Analyzed: 10/20/12 10:30		
1,3-Dibromopropane	1.897	92.6	30 - 130	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.897	81.1	30 - 130	6.066	6.076	-0.0100	+/-0.030	
GW0810 (1210178-07) ug/L				Lab File ID: 015F0101.D		Analyzed: 10/20/12 10:52		
1,3-Dibromopropane	1.936	95.8	30 - 130	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.936	82.7	30 - 130	6.066	6.076	-0.0100	+/-0.030	
GW0811 (1210178-09) ug/L				Lab File ID: 016F0101.D		Analyzed: 10/20/12 11:13		
1,3-Dibromopropane	1.915	90.8	30 - 130	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.915	83.3	30 - 130	6.066	6.076	-0.0100	+/-0.030	
Calibration Check (2J29807-CCV2) ug/L				Lab File ID: 017F0101.D		Analyzed: 10/20/12 11:35		
1,3-Dibromopropane	1.989	90.1	80 - 120	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.989	82.9	80 - 120	6.066	6.076	-0.0100	+/-0.030	
GW0825 (1210178-11) ug/L				Lab File ID: 018F0101.D		Analyzed: 10/20/12 11:56		
1,3-Dibromopropane	1.863	95.2	30 - 130	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.863	85.0	30 - 130	6.066	6.076	-0.0100	+/-0.030	
GW0826 (1210178-13) ug/L				Lab File ID: 019F0101.D		Analyzed: 10/20/12 12:18		
1,3-Dibromopropane	1.849	84.4	30 - 130	6.013	6.023	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.849	77.2	30 - 130	6.066	6.076	-0.0100	+/-0.030	
GW0827 (1210178-15) ug/L				Lab File ID: 020F0101.D		Analyzed: 10/20/12 12:39		
1,3-Dibromopropane	1.895	87.3	30 - 130	6.01	6.023	-0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.895	79.9	30 - 130	6.066	6.076	-0.0100	+/-0.030	
GW0855 (1210178-17) ug/L				Lab File ID: 021F0101.D		Analyzed: 10/20/12 13:01		
1,3-Dibromopropane	1.898	97.7	30 - 130	6.01	6.023	-0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.898	89.5	30 - 130	6.066	6.076	-0.0100	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29807	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0856 (1210178-19) ug/L				Lab File ID: 022F0101.D		Analyzed: 10/20/12 13:22		
1,3-Dibromopropane	1.886	90.6	30 - 130	6.01	6.023	-0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.886	82.8	30 - 130	6.063	6.076	-0.0130	+/-0.030	
GW0857 (1210178-21) ug/L				Lab File ID: 023F0101.D		Analyzed: 10/20/12 13:44		
1,3-Dibromopropane	1.853	89.0	30 - 130	6.01	6.023	-0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.853	80.9	30 - 130	6.063	6.076	-0.0130	+/-0.030	
GW0861 (1210178-23) ug/L				Lab File ID: 024F0101.D		Analyzed: 10/20/12 14:05		
1,3-Dibromopropane	1.854	79.0	30 - 130	6.01	6.023	-0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.854	71.7	30 - 130	6.063	6.076	-0.0130	+/-0.030	
GW0862 (1210178-25) ug/L				Lab File ID: 025F0101.D		Analyzed: 10/20/12 14:27		
1,3-Dibromopropane	1.870	84.7	30 - 130	6.003	6.023	-0.0200	+/-0.030	
1,3-Dibromopropane [2C]	1.870	77.2	30 - 130	6.056	6.076	-0.0200	+/-0.030	
GW0863 (1210178-27) ug/L				Lab File ID: 026F0101.D		Analyzed: 10/20/12 14:49		
1,3-Dibromopropane	1.857	67.9	30 - 130	6.003	6.023	-0.0200	+/-0.030	
1,3-Dibromopropane [2C]	1.857	61.2	30 - 130	6.056	6.076	-0.0200	+/-0.030	
Calibration Check (2J29807-CCV3) ug/L				Lab File ID: 027F0101.D		Analyzed: 10/20/12 15:10		
1,3-Dibromopropane	1.989	97.2	80 - 120	6.01	6.023	-0.0130	+/-0.030	
1,3-Dibromopropane [2C]	1.989	88.6	80 - 120	6.063	6.076	-0.0130	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30203	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J30203-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 10/24/12 15:50		
1,3-Dibromopropane	1.989	100	80 - 120	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	87.8	80 - 120	6.07	6.07	0.0000	+/-0.030	
LCS (2J24030-BS1) ug/L				Lab File ID: 004F0101.D		Analyzed: 10/24/12 16:32		
1,3-Dibromopropane	1.989	99.9	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	90.9	30 - 130	6.07	6.07	0.0000	+/-0.030	
GW0867 (1210200-23) ug/L				Lab File ID: 010F0101.D		Analyzed: 10/24/12 18:40		
1,3-Dibromopropane	1.887	100	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.887	87.7	30 - 130	6.07	6.07	0.0000	+/-0.030	
GW0774 (1210200-01) ug/L				Lab File ID: 012F0101.D		Analyzed: 10/24/12 19:23		
1,3-Dibromopropane	1.899	97.0	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.899	83.8	30 - 130	6.07	6.07	0.0000	+/-0.030	
GW0790 (1210200-05) ug/L				Lab File ID: 014F0101.D		Analyzed: 10/24/12 20:06		
1,3-Dibromopropane	1.870	71.6	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.870	74.7	30 - 130	6.07	6.07	0.0000	+/-0.030	
GW0791 (1210200-07) ug/L				Lab File ID: 015F0101.D		Analyzed: 10/24/12 20:27		
1,3-Dibromopropane	1.837	72.9	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.837	76.1	30 - 130	6.073	6.07	0.0030	+/-0.030	
GW0799 (1210200-09) ug/L				Lab File ID: 016F0101.D		Analyzed: 10/24/12 20:48		
1,3-Dibromopropane	1.863	81.1	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.863	83.2	30 - 130	6.07	6.07	0.0000	+/-0.030	
GW0800 (1210200-11) ug/L				Lab File ID: 017F0101.D		Analyzed: 10/24/12 21:09		
1,3-Dibromopropane	1.894	80.4	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.894	81.1	30 - 130	6.07	6.07	0.0000	+/-0.030	
GW0801 (1210200-13) ug/L				Lab File ID: 018F0101.D		Analyzed: 10/24/12 21:31		
1,3-Dibromopropane	1.898	79.0	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.898	78.8	30 - 130	6.07	6.07	0.0000	+/-0.030	
Calibration Check (2J30203-CCV2) ug/L				Lab File ID: 019F0101.D		Analyzed: 10/24/12 21:52		
1,3-Dibromopropane	1.989	83.9	80 - 120	6.02	6.016	0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.989	83.1	80 - 120	6.073	6.07	0.0030	+/-0.030	
GW0854 (1210200-15) ug/L				Lab File ID: 020F0101.D		Analyzed: 10/24/12 22:13		
1,3-Dibromopropane	1.856	74.1	30 - 130	6.02	6.016	0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.856	71.6	30 - 130	6.073	6.07	0.0030	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30203	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0864 (1210200-17) ug/L				Lab File ID: 021F0101.D		Analyzed: 10/24/12 22:34		
1,3-Dibromopropane	1.874	91.5	30 - 130	6.013	6.016	-0.0030	+/-0.030	
1,3-Dibromopropane [2C]	1.874	87.6	30 - 130	6.066	6.07	-0.0040	+/-0.030	
GW0865 (1210200-19) ug/L				Lab File ID: 022F0101.D		Analyzed: 10/24/12 22:56		
1,3-Dibromopropane	1.868	84.2	30 - 130	6.016	6.016	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.868	80.1	30 - 130	6.073	6.07	0.0030	+/-0.030	
GW0866 (1210200-21) ug/L				Lab File ID: 023F0101.D		Analyzed: 10/24/12 23:17		
1,3-Dibromopropane	1.878	83.3	30 - 130	6.02	6.016	0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.878	79.3	30 - 130	6.073	6.07	0.0030	+/-0.030	
GW0754 (1210178-01) ug/L				Lab File ID: 024F0101.D		Analyzed: 10/24/12 23:38		
1,3-Dibromopropane	1.877	81.6	30 - 130	6.02	6.016	0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.877	76.7	30 - 130	6.076	6.07	0.0060	+/-0.030	
Matrix Spike (2J24030-MS1) ug/L				Lab File ID: 025F0101.D		Analyzed: 10/24/12 23:59		
1,3-Dibromopropane	1.861	84.3	30 - 130	6.02	6.016	0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.861	78.7	30 - 130	6.073	6.07	0.0030	+/-0.030	
Matrix Spike Dup (2J24030-MSD1) ug/L				Lab File ID: 026F0101.D		Analyzed: 10/25/12 00:20		
1,3-Dibromopropane	1.883	87.8	30 - 130	6.02	6.016	0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.883	81.9	30 - 130	6.073	6.07	0.0030	+/-0.030	
Blank (2J24030-BLK1) ug/L				Lab File ID: 027F0101.D		Analyzed: 10/25/12 00:41		
1,3-Dibromopropane	1.989	85.1	30 - 130	6.02	6.016	0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.989	79.5	30 - 130	6.073	6.07	0.0030	+/-0.030	
Calibration Check (2J30203-CCV3) ug/L				Lab File ID: 029F0101.D		Analyzed: 10/25/12 10:27		
1,3-Dibromopropane	1.989	98.0	80 - 120	6.006	6.016	-0.0100	+/-0.030	
1,3-Dibromopropane [2C]	1.989	94.4	80 - 120	6.056	6.07	-0.0140	+/-0.030	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30709	Instrument:	GL-ECD2
		Calibration:	2292002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K30709-CCV1) ug/L				Lab File ID: 002F0101.D		Analyzed: 10/30/12 10:35		
1,3-Dibromopropane	1.989	106	80 - 120	6.01	6.01	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.989	86.7	80 - 120	6.066	6.066	0.0000	+/-0.030	
GW0808 (1210178-03RE1) ug/L				Lab File ID: 003F0101.D		Analyzed: 10/30/12 10:56		
1,3-Dibromopropane	1.849	157	30 - 130	6.013	6.01	0.0030	+/-0.030	*
1,3-Dibromopropane [2C]	1.849	105	30 - 130	6.066	6.066	0.0000	+/-0.030	
GW0789 (1210200-03RE1) ug/L				Lab File ID: 004F0101.D		Analyzed: 10/30/12 11:17		
1,3-Dibromopropane	1.855	89.3	30 - 130	6.01	6.01	0.0000	+/-0.030	
1,3-Dibromopropane [2C]	1.855	78.3	30 - 130	6.063	6.066	-0.0030	+/-0.030	
Calibration Check (2K30709-CCV2) ug/L				Lab File ID: 010F0101.D		Analyzed: 10/30/12 13:24		
1,3-Dibromopropane	1.989	106	80 - 120	6.006	6.01	-0.0040	+/-0.030	
1,3-Dibromopropane [2C]	1.989	88.0	80 - 120	6.06	6.066	-0.0060	+/-0.030	

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19010	Laboratory ID:	2J19010-BS1
Preparation:	EDB	Initial/Final:	35 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.5081	102	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5583	112	70 - 130

LCS / LCS DUPLICATE RECOVERY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24030	Laboratory ID:	2J24030-BS1
Preparation:	EDB	Initial/Final:	35 mL / 35 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
1,2-Dibromoethane	0.5000	0.4900	98.0	70 - 130
1,2-Dibromoethane [2C]	0.5000	0.5091	102	70 - 130

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8011

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24030

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
1,2-Dibromoethane	0.4678	0.3009	0.6395	72.4		70 - 130
1,2-Dibromoethane [2C]	0.4678	0.2872	0.6301	73.3		70 - 130

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
1,2-Dibromoethane	0.4735	0.6779	79.6	5.83		20	70 - 130
1,2-Dibromoethane [2C]	0.4735	0.6938	85.9	9.63		20	70 - 130

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J19010 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0809	1210178-05	10/19/12 07:51	36.69	35.00
GW0810	1210178-07	10/19/12 07:51	35.95	35.00
GW0811	1210178-09	10/19/12 07:51	36.34	35.00
GW0825	1210178-11	10/19/12 07:51	37.37	35.00
GW0826	1210178-13	10/19/12 07:51	37.64	35.00
GW0827	1210178-15	10/19/12 07:51	36.74	35.00
GW0855	1210178-17	10/19/12 07:51	36.67	35.00
GW0856	1210178-19	10/19/12 07:51	36.91	35.00
GW0857	1210178-21	10/19/12 07:51	37.56	35.00
GW0861	1210178-23	10/19/12 07:51	37.54	35.00
GW0862	1210178-25	10/19/12 07:51	37.23	35.00
GW0863	1210178-27	10/19/12 07:51	37.48	35.00
Blank	2J19010-BLK1	10/19/12 07:51	35.00	35.00
LCS	2J19010-BS1	10/19/12 07:51	35.00	35.00

PREPARATION BATCH SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J24030 Batch Matrix: Water Preparation: EDB

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	10/24/12 12:48	37.08	35.00
GW0808	1210178-03RE1	10/24/12 12:48	37.65	35.00
GW0774	1210200-01	10/24/12 12:48	36.66	35.00
GW0789	1210200-03RE1	10/24/12 12:48	37.52	35.00
GW0790	1210200-05	10/24/12 12:48	37.23	35.00
GW0791	1210200-07	10/24/12 12:48	37.90	35.00
GW0799	1210200-09	10/24/12 12:48	37.37	35.00
GW0800	1210200-11	10/24/12 12:48	36.76	35.00
GW0801	1210200-13	10/24/12 12:48	36.67	35.00
GW0854	1210200-15	10/24/12 12:48	37.50	35.00
GW0864	1210200-17	10/24/12 12:48	37.14	35.00
GW0865	1210200-19	10/24/12 12:48	37.27	35.00
GW0866	1210200-21	10/24/12 12:48	37.06	35.00
GW0867	1210200-23	10/24/12 12:48	36.88	35.00
Blank	2J24030-BLK1	10/24/12 12:48	35.00	35.00
LCS	2J24030-BS1	10/24/12 12:48	35.00	35.00
GW0754	2J24030-MS1	10/24/12 12:48	37.41	35.00
GW0754	2J24030-MSD1	10/24/12 12:48	36.96	35.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19010-BLK1	File ID:	003R0101.D
Sampled:		Prepared:	10/19/12 07:51	Analyzed:	10/20/12 06:34
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J19010	Sequence:	2J29807	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.869	94.0	30 - 130	
1,3-Dibromopropane [2C]	1.989	1.861	93.6	30 - 130	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2J24030-BLK1	File ID:	027R0101.D
Sampled:		Prepared:	10/24/12 12:48	Analyzed:	10/25/12 00:41
Solids:		Preparation:	EDB	Dilution:	

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane		0.0100	0.0200	0.0300	U

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.692	85.1	30 - 130	
1,3-Dibromopropane [2C]	1.989	1.580	79.5	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19010-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	10/20/12 06:55
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J19010	Sequence:	2J29807	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.5081**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.967	98.9	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19010-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	10/20/12 06:55
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J19010	Sequence:	2J29807	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.5583**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.989	1.935	97.3	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J24030-BS1	File ID:	004F0101.D
Sampled:		Prepared:		Analyzed:	10/24/12 16:32
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J24030	Sequence:	2J30203	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.4900**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.989	1.987	99.9	30 - 130	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J24030-BS1	File ID:	004R0101.D
Sampled:		Prepared:		Analyzed:	10/24/12 16:32
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J24030	Sequence:	2J30203	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.5091**	0.0100	0.0200	0.0300	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.989	1.808	90.9	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J24030-MS1	File ID:	025F0101.D
Sampled:		Prepared:		Analyzed:	10/24/12 23:59
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J24030	Sequence:	2J30203	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.6395**	0.00936	0.0187	0.0281	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.861	1.568	84.3	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2J24030-MS1	File ID:	025R0101.D
Sampled:		Prepared:		Analyzed:	10/24/12 23:59
Solids:		Preparation:	EDB	Dilution:	

Batch: 2J24030 Sequence: 2J30203 Calibration: 2292002 Instrument: GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.6301**	0.00936	0.0187	0.0281	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.861	1.464	78.7	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J24030-MSD1	File ID:	026F0101.D
Sampled:		Prepared:		Analyzed:	10/25/12 00:20
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J24030	Sequence:	2J30203	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane	**0.6779**	0.00947	0.0189	0.0284	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane	1.883	1.653	87.8	30 - 130	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J24030-MSD1	File ID:	026R0101.D
Sampled:		Prepared:		Analyzed:	10/25/12 00:20
Solids:		Preparation:	EDB	Dilution:	

Batch:	2J24030	Sequence:	2J30203	Calibration:	2292002	Instrument:	GL-ECD2

CAS NO.	COMPOUND	CONC. (ug/L)	DL	LOD	LOQ	Q
106-93-4	1,2-Dibromoethane [2C]	**0.6938**	0.00947	0.0189	0.0284	

SYSTEM MONITORING COMPOUND	ADDED (ug/L)	CONC (ug/L)	% REC	QC LIMITS	Q
1,3-Dibromopropane [2C]	1.883	1.542	81.9	30 - 130	

INITIAL CALIBRATION STANDARDS

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29206	Instrument:	GL-ECD2
Calibration:	2292002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12J0351	EDB ICAL 1 (0.02ppb)	2J29206-CAL1	004R0101.D	10/11/12 16:10
12J0351	EDB ICAL 1 (0.02ppb)	2J29206-CAL1	004F0101.D	10/11/12 16:10
12J0352	EDB ICAL 2 (0.05ppb)	2J29206-CAL2	005R0101.D	10/11/12 16:31
12J0352	EDB ICAL 2 (0.05ppb)	2J29206-CAL2	005F0101.D	10/11/12 16:31
12J0353	EDB ICAL 3 (0.10ppb)	2J29206-CAL3	006R0101.D	10/11/12 16:53
12J0353	EDB ICAL 3 (0.10ppb)	2J29206-CAL3	006F0101.D	10/11/12 16:53
12J0354	EDB ICAL 4 (0.20ppb)	2J29206-CAL4	007R0101.D	10/11/12 17:14
12J0354	EDB ICAL 4 (0.20ppb)	2J29206-CAL4	007F0101.D	10/11/12 17:14
12J0355	EDB ICAL 5 (0.5ppb)	2J29206-CAL5	008R0101.D	10/11/12 17:35
12J0355	EDB ICAL 5 (0.5ppb)	2J29206-CAL5	008F0101.D	10/11/12 17:35
12J0356	EDB ICAL 6 (1.0ppb)	2J29206-CAL6	009R0101.D	10/11/12 17:56
12J0356	EDB ICAL 6 (1.0ppb)	2J29206-CAL6	009F0101.D	10/11/12 17:56

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29206	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J29206-CAL1	004R0101.D	10/11/12 16:10
Cal Standard	2J29206-CAL1	004F0101.D	10/11/12 16:10
Cal Standard	2J29206-CAL2	005R0101.D	10/11/12 16:31
Cal Standard	2J29206-CAL2	005F0101.D	10/11/12 16:31
Cal Standard	2J29206-CAL3	006R0101.D	10/11/12 16:53
Cal Standard	2J29206-CAL3	006F0101.D	10/11/12 16:53
Cal Standard	2J29206-CAL4	007R0101.D	10/11/12 17:14
Cal Standard	2J29206-CAL4	007F0101.D	10/11/12 17:14
Cal Standard	2J29206-CAL5	008R0101.D	10/11/12 17:35
Cal Standard	2J29206-CAL5	008F0101.D	10/11/12 17:35
Cal Standard	2J29206-CAL6	009R0101.D	10/11/12 17:56
Cal Standard	2J29206-CAL6	009F0101.D	10/11/12 17:56
Initial Cal Check	2J29206-ICV1	010R0101.D	10/11/12 18:18
Initial Cal Check	2J29206-ICV1	010F0101.D	10/11/12 18:18

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29807	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29807-CCV1	002R0101.D	10/20/12 06:12
Calibration Check	2J29807-CCV1	002F0101.D	10/20/12 06:12
Blank	2J19010-BLK1	003R0101.D	10/20/12 06:34
Blank	2J19010-BLK1	003F0101.D	10/20/12 06:34
LCS	2J19010-BS1	004R0101.D	10/20/12 06:55
LCS	2J19010-BS1	004F0101.D	10/20/12 06:55
GW0809	1210178-05	014F0101.D	10/20/12 10:30
GW0809	1210178-05	014R0101.D	10/20/12 10:30
GW0810	1210178-07	015F0101.D	10/20/12 10:52
GW0810	1210178-07	015R0101.D	10/20/12 10:52
GW0811	1210178-09	016R0101.D	10/20/12 11:13
GW0811	1210178-09	016F0101.D	10/20/12 11:13
Calibration Check	2J29807-CCV2	017F0101.D	10/20/12 11:35
Calibration Check	2J29807-CCV2	017R0101.D	10/20/12 11:35
GW0825	1210178-11	018F0101.D	10/20/12 11:56
GW0825	1210178-11	018R0101.D	10/20/12 11:56
GW0826	1210178-13	019F0101.D	10/20/12 12:18
GW0826	1210178-13	019R0101.D	10/20/12 12:18
GW0827	1210178-15	020F0101.D	10/20/12 12:39
GW0827	1210178-15	020R0101.D	10/20/12 12:39
GW0855	1210178-17	021R0101.D	10/20/12 13:01
GW0855	1210178-17	021F0101.D	10/20/12 13:01
GW0856	1210178-19	022R0101.D	10/20/12 13:22
GW0856	1210178-19	022F0101.D	10/20/12 13:22
GW0857	1210178-21	023F0101.D	10/20/12 13:44
GW0857	1210178-21	023R0101.D	10/20/12 13:44
GW0861	1210178-23	024F0101.D	10/20/12 14:05
GW0861	1210178-23	024R0101.D	10/20/12 14:05
GW0862	1210178-25	025F0101.D	10/20/12 14:27
GW0862	1210178-25	025R0101.D	10/20/12 14:27
GW0863	1210178-27	026F0101.D	10/20/12 14:49
GW0863	1210178-27	026R0101.D	10/20/12 14:49

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29807	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29807-CCV3	027R0101.D	10/20/12 15:10
Calibration Check	2J29807-CCV3	027F0101.D	10/20/12 15:10

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30203	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J30203-CCV1	002F0101.D	10/24/12 15:50
Calibration Check	2J30203-CCV1	002R0101.D	10/24/12 15:50
LCS	2J24030-BS1	004R0101.D	10/24/12 16:32
LCS	2J24030-BS1	004F0101.D	10/24/12 16:32
GW0867	1210200-23	010F0101.D	10/24/12 18:40
GW0867	1210200-23	010R0101.D	10/24/12 18:40
GW0774	1210200-01	012R0101.D	10/24/12 19:23
GW0774	1210200-01	012F0101.D	10/24/12 19:23
GW0790	1210200-05	014F0101.D	10/24/12 20:06
GW0790	1210200-05	014R0101.D	10/24/12 20:06
GW0791	1210200-07	015R0101.D	10/24/12 20:27
GW0791	1210200-07	015F0101.D	10/24/12 20:27
GW0799	1210200-09	016F0101.D	10/24/12 20:48
GW0799	1210200-09	016R0101.D	10/24/12 20:48
GW0800	1210200-11	017F0101.D	10/24/12 21:09
GW0800	1210200-11	017R0101.D	10/24/12 21:09
GW0801	1210200-13	018F0101.D	10/24/12 21:31
GW0801	1210200-13	018R0101.D	10/24/12 21:31
Calibration Check	2J30203-CCV2	019F0101.D	10/24/12 21:52
Calibration Check	2J30203-CCV2	019R0101.D	10/24/12 21:52
GW0854	1210200-15	020R0101.D	10/24/12 22:13
GW0854	1210200-15	020F0101.D	10/24/12 22:13
GW0864	1210200-17	021R0101.D	10/24/12 22:34
GW0864	1210200-17	021F0101.D	10/24/12 22:34
GW0865	1210200-19	022F0101.D	10/24/12 22:56
GW0865	1210200-19	022R0101.D	10/24/12 22:56
GW0866	1210200-21	023F0101.D	10/24/12 23:17
GW0866	1210200-21	023R0101.D	10/24/12 23:17
GW0754	1210178-01	024F0101.D	10/24/12 23:38
GW0754	1210178-01	024R0101.D	10/24/12 23:38
GW0754	2J24030-MS1	025F0101.D	10/24/12 23:59
GW0754	2J24030-MS1	025R0101.D	10/24/12 23:59

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30203	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0754	2J24030-MSD1	026R0101.D	10/25/12 00:20
GW0754	2J24030-MSD1	026F0101.D	10/25/12 00:20
Blank	2J24030-BLK1	027F0101.D	10/25/12 00:41
Blank	2J24030-BLK1	027R0101.D	10/25/12 00:41
Calibration Check	2J30203-CCV3	029F0101.D	10/25/12 10:27
Calibration Check	2J30203-CCV3	029R0101.D	10/25/12 10:27

ANALYSIS SEQUENCE SUMMARY

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30709	Instrument:	GL-ECD2
Calibration:	2292002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2K30709-CCV1	002R0101.D	10/30/12 10:35
Calibration Check	2K30709-CCV1	002F0101.D	10/30/12 10:35
GW0808	1210178-03RE1	003R0101.D	10/30/12 10:56
GW0808	1210178-03RE1	003F0101.D	10/30/12 10:56
GW0789	1210200-03RE1	004R0101.D	10/30/12 11:17
GW0789	1210200-03RE1	004F0101.D	10/30/12 11:17
Calibration Check	2K30709-CCV2	010R0101.D	10/30/12 13:24
Calibration Check	2K30709-CCV2	010F0101.D	10/30/12 13:24

INITIAL CALIBRATION DATA

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2292002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	10/11/12 16:10	10/11/12 17:56

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
1,2-Dibromoethane	0.02	10650	0.05	10860	0.1	10660	0.2	9475	0.5	9386	1	8356
1,2-Dibromoethane [2C]	0.02	31550	0.05	34320	0.1	34660	0.2	32510	0.5	31110	1	30406
1,2-Dibromo-3-chloropropane	0.02	22600	0.05	20080	0.1	19070	0.2	16850	0.5	15220	1	13344
1,2-Dibromo-3-chloropropane [2C]	0.02	68550	0.05	63880	0.1	59900	0.2	56300	0.5	56304	1	53927
1,3-Dibromopropane	0.09944	6244.972	0.1989	~~2885.872~~	0.4972	6391.794	0.9944	5737.128	1.989	5078.431	3.978	4436.4
1,3-Dibromopropane [2C]	0.09944	26739.74	0.1989	~~12227.25~~	0.4972	24656.07	0.9944	22013.27	1.989	19895.93	3.978	17722.72

INITIAL CALIBRATION DATA (Continued)

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2292002	Instrument:	GL-ECD2	
Matrix:	Water	Calibration Dates:	10/11/12 16:10	10/11/12 17:56

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
1,2-Dibromoethane	9897.833	9.991906	2.694	0.0551041			20	
1,2-Dibromoethane [2C]	32426	5.370791	2.66	1.685277E-02			20	
1,2-Dibromo-3-chloropropane	17860.67	18.94447	8.78	1.335599E-02			20	
1,2-Dibromo-3-chloropropane [2C]	59810.17	9.224062	9.119333	2.295245E-02			20	
1,3-Dibromopropane	5577.745	14.68939	6.0154	2.089261E-02			20	
1,3-Dibromopropane [2C]	22205.55	16.242	6.0692	2.971043E-02			20	

INITIAL CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	010F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29206	Injection Date:	10/11/12
Lab Sample ID:	2J29206-ICV1	Injection Time:	18:18

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4839	9897.833	9580		-3.2	20
1,2-Dibromoethane [2C]	A	0.5000	0.4886	32426	31684		-2.3	20
1,3-Dibromopropane	A	1.989	1.779	5577.745	4989.945		-10.5	20
1,3-Dibromopropane [2C]	A	1.989	1.741	22205.55	19441.43		-12.4	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	002F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29807	Injection Date:	10/20/12
Lab Sample ID:	2J29807-CCV1	Injection Time:	06:12

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.5354	9897.833	10598		7.1	20
1,2-Dibromoethane [2C]	A	0.5000	0.5949	32426	38582		19.0	20
1,3-Dibromopropane	A	1.989	2.035	5577.745	5706.385		2.3	20
1,3-Dibromopropane [2C]	A	1.989	1.985	22205.55	22159.88		-0.2	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	017F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29807	Injection Date:	10/20/12
Lab Sample ID:	2J29807-CCV2	Injection Time:	11:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4665	9897.833	9234		-6.7	20
1,2-Dibromoethane [2C]	A	0.5000	0.4884	32426	31674		-2.3	20
1,3-Dibromopropane	A	1.989	1.792	5577.745	5026.144		-9.9	20
1,3-Dibromopropane [2C]	A	1.989	1.648	22205.55	18397.69		-17.1	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	027F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J29807	Injection Date:	10/20/12
Lab Sample ID:	2J29807-CCV3	Injection Time:	15:10

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.5016	9897.833	9930		0.3	20
1,2-Dibromoethane [2C]	A	0.5000	0.5372	32426	34836		7.4	20
1,3-Dibromopropane	A	1.989	1.933	5577.745	5421.82		-2.8	20
1,3-Dibromopropane [2C]	A	1.989	1.762	22205.55	19667.17		-11.4	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	002F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J30203	Injection Date:	10/24/12
Lab Sample ID:	2J30203-CCV1	Injection Time:	15:50

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4899	9897.833	9698		-2.0	20
1,2-Dibromoethane [2C]	A	0.5000	0.4965	32426	32198		-0.7	20
1,3-Dibromopropane	A	1.989	1.997	5577.745	5601.307		0.4	20
1,3-Dibromopropane [2C]	A	1.989	1.746	22205.55	19495.22		-12.2	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	019F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J30203	Injection Date:	10/24/12
Lab Sample ID:	2J30203-CCV2	Injection Time:	21:52

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4033	9897.833	7984		-19.3	20
1,2-Dibromoethane [2C]	A	0.5000	0.4376	32426	28380		-12.5	20
1,3-Dibromopropane	A	1.989	1.668	5577.745	4677.728		-16.1	20
1,3-Dibromopropane [2C]	A	1.989	1.652	22205.55	18438.41		-17.0	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	029F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2J30203	Injection Date:	10/25/12
Lab Sample ID:	2J30203-CCV3	Injection Time:	10:27

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.4963	9897.833	9824		-0.7	20
1,2-Dibromoethane [2C]	A	0.5000	0.5080	32426	32942		1.6	20
1,3-Dibromopropane	A	1.989	1.949	5577.745	5465.561		-2.0	20
1,3-Dibromopropane [2C]	A	1.989	1.878	22205.55	20972.85		-5.6	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	002F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2K30709	Injection Date:	10/30/12
Lab Sample ID:	2K30709-CCV1	Injection Time:	10:35

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.5127	9897.833	10150		2.5	20
1,2-Dibromoethane [2C]	A	0.5000	0.4174	32426	27066		-16.5	20
1,3-Dibromopropane	A	1.989	2.106	5577.745	5904.475		5.9	20
1,3-Dibromopropane [2C]	A	1.989	1.724	22205.55	19252.39		-13.3	20

CONTINUING CALIBRATION CHECK

SW8011

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-ECD2	Calibration:	2292002
Lab File ID:	010F0101.D	Calibration Date:	10/18/12 12:29
Sequence:	2K30709	Injection Date:	10/30/12
Lab Sample ID:	2K30709-CCV2	Injection Time:	13:24

		CONC. (ug/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
1,2-Dibromoethane	A	0.5000	0.5030	9897.833	9958		0.6	20
1,2-Dibromoethane [2C]	A	0.5000	0.4419	32426	28656		-11.6	20
1,3-Dibromopropane	A	1.989	2.102	5577.745	5894.419		5.7	20
1,3-Dibromopropane [2C]	A	1.989	1.750	22205.55	19542.99		-12.0	20

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0809

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210178-05 Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.67	2.73	0.824	
	2	2.66	2.64	2.70	0.866	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0810

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210178-07

Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.67	2.73	0.863	
	2	2.66	2.64	2.70	0.896	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0811

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210178-09

Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.67	2.73	0.339	
	2	2.66	2.64	2.70	0.342	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0825

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210178-11

Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.67	2.73	0.178	
	2	2.66	2.64	2.70	0.199	11

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0827

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210178-15

Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.67	2.73	0.600	
	2	2.66	2.64	2.70	0.650	8

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J19010-BS1 Date(s) Analyzed: 10/20/2012 10/20/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.67	2.73	0.5081	
	2	2.66	2.64	2.70	0.5583	9

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0754

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210178-01 Date(s) Analyzed: 10/24/2012 10/24/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.70	2.67	2.73	0.301	
	2	2.66	2.63	2.69	0.287	5

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0808

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210178-03RE1

Date(s) Analyzed: 10/30/2012 10/30/2012

Instrument ID (1): GL-ECD2

Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm)

GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.66	2.72	2.52	
	2	2.66	2.63	2.69	2.22	13

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

GW0774

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 1210200-01 Date(s) Analyzed: 10/24/2012 10/24/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.67	2.73	0.532	
	2	2.66	2.63	2.69	0.543	2

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

LCS

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J24030-BS1 Date(s) Analyzed: 10/24/2012 10/24/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.69	2.67	2.73	0.4900	
	2	2.66	2.63	2.69	0.5091	4

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J24030-MS1 Date(s) Analyzed: 10/24/2012 10/24/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.70	2.67	2.73	0.6395	
	2	2.66	2.63	2.69	0.6301	1

FORM X
IDENTIFICATION SUMMARY
FOR SINGLE COMPONENT ANALYTES

Matrix Spike Dup

Lab Name: Empirical Laboratories, LLC

Lab Sample ID: 2J24030-MSD1 Date(s) Analyzed: 10/25/2012 10/25/2012

Instrument ID (1): GL-ECD2 Instrument ID (2): GL-ECD2

GC Column (1): ID: (mm) GC Column (2): ID: (mm)

ANALYTE	COL	RT	RT WINDOW		CONCENTRATION	%D
			FROM	TO		
1,2-Dibromoethane	1	2.70	2.67	2.73	0.6779	
	2	2.66	2.63	2.69	0.6938	2

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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
GW0754	10/16/12 16:26	10/17/12 08:10	10/24/12 12:48	N/A	14.00	10/24/12 23:38	8.26	14.00	
GW0808	10/16/12 16:09	10/17/12 08:10	10/24/12 12:48	N/A	14.00	10/30/12 10:56	13.74	14.00	
GW0809	10/16/12 13:59	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 10:30	3.81	14.00	
GW0810	10/16/12 13:59	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 10:52	3.83	14.00	
GW0811	10/16/12 11:32	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 11:13	3.95	14.00	
GW0825	10/15/12 15:54	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 11:56	4.79	14.00	
GW0826	10/15/12 11:13	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 12:18	5.00	14.00	
GW0827	10/15/12 13:37	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 12:39	4.92	14.00	
GW0855	10/16/12 14:01	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 13:01	3.92	14.00	
GW0856	10/16/12 14:01	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 13:22	3.93	14.00	
GW0857	10/16/12 11:28	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 13:44	4.05	14.00	
GW0861	10/15/12 16:23	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 14:05	4.86	14.00	
GW0862	10/15/12 13:40	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 14:27	4.99	14.00	
GW0863	10/15/12 11:03	10/17/12 08:10	10/19/12 07:51	N/A	14.00	10/20/12 14:49	5.12	14.00	
GW0774	10/18/12 15:43	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 19:23	6.11	14.00	
GW0789	10/18/12 15:34	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/30/12 11:17	11.78	14.00	
GW0790	10/18/12 13:33	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 20:06	6.23	14.00	
GW0791	10/18/12 11:09	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 20:27	6.35	14.00	
GW0799	10/17/12 16:07	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 20:48	7.15	14.00	
GW0800	10/17/12 13:35	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 21:09	7.27	14.00	
GW0801	10/17/12 11:06	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 21:31	7.39	14.00	
GW0854	10/18/12 12:49	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 22:13	6.35	14.00	
GW0864	10/17/12 16:11	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 22:34	7.22	14.00	
GW0865	10/17/12 13:23	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 22:56	7.36	14.00	

HOLDING TIME SUMMARY

SW8011

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

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
GW0866	10/17/12 13:23	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 23:17	7.37	14.00	
GW0867	10/17/12 10:41	10/19/12 17:15	10/24/12 12:48	N/A	14.00	10/24/12 18:40	7.29	14.00	

SW8015B (DRO)
Forms

Sample Extraction Data

Prep Method: EXT_3510-SW8015B DRO

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01RE1 [GW0754]	2J19032	1,000.00/1.00	900	1.00	1.00		10/20/12
1210178-03RE1 [GW0808]	2J19032	1,000.00/1.00	1080	1.00	1.00		10/20/12
1210178-05RE1 [GW0809]	2J19032	1,000.00/1.00	1000	1.00	1.00		10/20/12
1210178-07RE1 [GW0810]	2J19032	1,000.00/1.00	1000	1.00	1.00		10/20/12
1210178-09RE1 [GW0811]	2J19032	1,000.00/1.00	1050	1.00	1.00		10/20/12
1210178-13RE1 [GW0826]	2J19032	1,000.00/1.00	1040	1.00	1.00		10/20/12
1210178-15RE1 [GW0827]	2J19032	1,000.00/1.00	1030	1.00	1.00		10/20/12
1210178-17RE2 [GW0855]	2J19032	1,000.00/1.00	850	1.00	1.00		10/20/12
1210178-19RE2 [GW0856]	2J19032	1,000.00/1.00	850	1.00	1.00		10/20/12
1210178-21RE2 [GW0857]	2J19032	1,000.00/1.00	800	1.00	1.00		10/20/12
1210178-23RE2 [GW0861]	2J19032	1,000.00/1.00	800	1.00	1.00		10/20/12
1210178-25RE1 [GW0862]	2J19032	1,000.00/1.00	800	1.00	1.00		10/20/12
1210178-27RE2 [GW0863]	2J19032	1,000.00/1.00	800	1.00	1.00		10/20/12

Sample Extraction Data

Prep Method: EXT_3510-SW8015B DRO

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-01RE1 [GW0774]	2J23015	1,000.00/1.00	1020	1.00	1.00		10/23/12
1210200-03RE1 [GW0789]	2J23015	1,000.00/1.00	1080	1.00	1.00		10/23/12
1210200-05RE1 [GW0790]	2J23015	1,000.00/1.00	900	1.00	1.00		10/23/12
1210200-07RE1 [GW0791]	2J23015	1,000.00/1.00	1000	1.00	1.00		10/23/12
1210200-09RE1 [GW0799]	2J23015	1,000.00/1.00	1000	1.00	1.00		10/23/12
1210200-11RE1 [GW0800]	2J23015	1,000.00/1.00	1000	1.00	1.00		10/23/12
1210200-13RE1 [GW0801]	2J23015	1,000.00/1.00	900	1.00	1.00		10/23/12
1210200-15RE1 [GW0854]	2J23015	1,000.00/1.00	900	1.00	1.00		10/23/12
1210200-17RE1 [GW0864]	2J23015	1,000.00/1.00	1060	1.00	1.00		10/23/12
1210200-19RE1 [GW0865]	2J23015	1,000.00/1.00	1060	1.00	1.00		10/23/12
1210200-21RE1 [GW0866]	2J23015	1,000.00/1.00	1040	1.00	1.00		10/23/12
1210200-23RE1 [GW0867]	2J23015	1,000.00/1.00	1060	1.00	1.00		10/23/12

Sample Extraction Data

Prep Method: EXT_3510-SW8015B DRO

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-11RE1 [GW0825]	2J26020	1,000.00/1.00	500	0.500	1.00		10/26/12

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-01RE1	File ID:	036F3601.D
Sampled:	10/16/12 16:26	Prepared:	10/20/12 12:13	Analyzed:	11/06/12 15:17
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.222	0.444	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.008123	36.6	30 - 140	

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-03RE1	File ID:	039F3901.D
Sampled:	10/16/12 16:09	Prepared:	10/20/12 12:13	Analyzed:	11/06/12 16:56
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0930	0.186	0.372	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01860	0.01310	70.4	30 - 140	

ANALYSIS DATA SHEET

GW0809

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-05RE1	File ID:	040F4001.D
Sampled:	10/16/12 13:59	Prepared:	10/20/12 12:13	Analyzed:	11/06/12 17:29
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.111**	0.100	0.200	0.400	J

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01267	63.3	30 - 140	

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-07RE1	File ID:	041F4101.D
Sampled:	10/16/12 13:59	Prepared:	10/20/12 12:13	Analyzed:	11/06/12 18:02
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.105**	0.100	0.200	0.400	J

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01217	60.8	30 - 140	

ANALYSIS DATA SHEET

GW0811

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-09RE1	File ID:	042F4201.D
Sampled:	10/16/12 11:32	Prepared:	10/20/12 12:13	Analyzed:	11/06/12 18:35
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0952	0.190	0.381	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01905	0.007235	38.0	30 - 140	

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-11RE1	File ID:	007F0701.D
Sampled:	10/15/12 15:54	Prepared:	10/26/12 10:00	Analyzed:	10/29/12 19:10
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J26020 Sequence: 2K30712 Calibration: 2278001 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.621**	0.100	0.200	0.400	H2

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01161	58.1	30 - 140	H2, Y

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-13RE1	File ID:	043F4301.D
Sampled:	10/15/12 11:13	Prepared:	10/20/12 12:13	Analyzed:	11/06/12 19:08
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.008729	45.4	30 - 140	

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-15RE1	File ID:	044F4401.D
Sampled:	10/15/12 13:37	Prepared:	10/20/12 12:13	Analyzed:	11/06/12 19:41
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**1.20**	0.0971	0.194	0.388	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01942	0.01569	80.8	30 - 140	

ANALYSIS DATA SHEET

GW0855

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-17RE2	File ID:	018F1801.D
Sampled:	10/16/12 14:01	Prepared:	10/20/12 12:13	Analyzed:	11/15/12 06:39
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K32020 Calibration: 2320005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.118	0.235	0.471	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02353	0.02390	102	30 - 140	

ANALYSIS DATA SHEET

GW0856

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-19RE2	File ID:	019F1901.D
Sampled:	10/16/12 14:01	Prepared:	10/20/12 12:13	Analyzed:	11/15/12 07:12
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K32020 Calibration: 2320005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.118	0.235	0.471	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02353	0.02580	110	30 - 140	

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-21RE2	File ID:	020F2001.D
Sampled:	10/16/12 11:28	Prepared:	10/20/12 12:13	Analyzed:	11/15/12 07:45
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K32020 Calibration: 2320005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.125	0.250	0.500	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02500	0.01958	78.3	30 - 140	

ANALYSIS DATA SHEET

GW0861

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-23RE2	File ID:	021F2101.D
Sampled:	10/15/12 16:23	Prepared:	10/20/12 12:13	Analyzed:	11/15/12 08:18
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K32020 Calibration: 2320005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.125	0.250	0.500	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02500	0.02045	81.8	30 - 140	

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-25RE1	File ID:	050F5001.D
Sampled:	10/15/12 13:40	Prepared:	10/20/12 12:13	Analyzed:	11/06/12 23:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.125	0.250	0.500	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02500	0.01271	50.8	30 - 140	

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-27RE2	File ID:	022F2201.D
Sampled:	10/15/12 11:03	Prepared:	10/20/12 12:13	Analyzed:	11/15/12 08:51
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J19032 Sequence: 2K32020 Calibration: 2320005 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.125	0.250	0.500	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02500	0.01987	79.5	30 - 140	

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-01RE1	File ID:	021F2101.D
Sampled:	10/18/12 15:43	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 07:00
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.135**	0.0980	0.196	0.392	J

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01961	0.01446	73.8	30 - 140	

ANALYSIS DATA SHEET

GW0789

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-03RE1	File ID:	022F2201.D
Sampled:	10/18/12 15:34	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 07:33
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0926	0.185	0.370	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01852	0.01247	67.3	30 - 140	

ANALYSIS DATA SHEET

GW0790

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-05RE1	File ID:	023F2301.D
Sampled:	10/18/12 13:33	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 08:07
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.222	0.444	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01414	63.6	30 - 140	

ANALYSIS DATA SHEET

GW0791

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-07RE1	File ID:	024F2401.D
Sampled:	10/18/12 11:09	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 08:40
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01628	81.4	30 - 140	

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-09RE1	File ID:	025F2501.D
Sampled:	10/17/12 16:07	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 09:13
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01449	72.5	30 - 140	

ANALYSIS DATA SHEET

GW0800

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-11RE1	File ID:	026F2601.D
Sampled:	10/17/12 13:35	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 09:46
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01315	65.7	30 - 140	

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-13RE1	File ID:	027F2701.D
Sampled:	10/17/12 11:06	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 10:19
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.111	0.222	0.444	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01497	67.4	30 - 140	

ANALYSIS DATA SHEET

GW0854

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-15RE1	File ID:	028F2801.D
Sampled:	10/18/12 12:49	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 10:52
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.122**	0.111	0.222	0.444	J

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02222	0.01741	78.3	30 - 140	

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-17RE1	File ID:	029F2901.D
Sampled:	10/17/12 16:11	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 11:25
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.01161	61.5	30 - 140	

ANALYSIS DATA SHEET

GW0865

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-19RE1	File ID:	030F3001.D
Sampled:	10/17/12 13:23	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 11:58
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.006377	33.8	30 - 140	

ANALYSIS DATA SHEET

GW0866

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-21RE1	File ID:	032F3201.D
Sampled:	10/17/12 13:23	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 13:04
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0962	0.192	0.385	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01923	0.006962	36.2	30 - 140	

ANALYSIS DATA SHEET

GW0867

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-23RE1	File ID:	033F3301.D
Sampled:	10/17/12 10:41	Prepared:	10/23/12 14:30	Analyzed:	11/06/12 13:38
Solids:		Preparation:	EXT_3510	Dilution:	1

Batch: 2J23015 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.0943	0.189	0.377	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.01887	0.007406	39.3	30 - 140	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30712	Instrument:	GL-GCFID2
		Calibration:	2278001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K30712-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 10/29/12 16:57		
o-Terphenyl	50.00	72.5	80 - 120	10.85	10.85	0.0000	+/-0.050	*
Blank (2J26020-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 10/29/12 17:31		
o-Terphenyl	0.02000	72.0	30 - 140	10.85	10.85	0.0000	+/-0.050	
LCS (2J26020-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 10/29/12 18:04		
o-Terphenyl	0.02000	78.9	30 - 140	10.856	10.85	0.0060	+/-0.050	
LCS Dup (2J26020-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 10/29/12 18:37		
o-Terphenyl	0.02000	68.4	30 - 140	10.85	10.85	0.0000	+/-0.050	
GW0825 (1210178-11RE1) mg/L				Lab File ID: 007F0701.D		Analyzed: 10/29/12 19:10		
o-Terphenyl	0.02000	58.1	30 - 140	10.85	10.85	0.0000	+/-0.050	
Calibration Check (2K30712-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 10/30/12 00:42		
o-Terphenyl	50.00	72.5	80 - 120	10.846	10.85	-0.0040	+/-0.050	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31307	Instrument:	GL-GCFID2
		Calibration:	2313002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K31307-CCV1) mg/L				Lab File ID: 010F1001.D		Analyzed: 11/05/12 00:55		
o-Terphenyl	50.00	89.8	80 - 120	10.83	10.83	0.0000	+/-0.050	
Calibration Check (2K31307-CCV2) mg/L				Lab File ID: 017F1701.D		Analyzed: 11/06/12 04:47		
o-Terphenyl	50.00	120	80 - 120	10.823	10.83	-0.0070	+/-0.050	
Blank (2J23015-BLK2) mg/L				Lab File ID: 018F1801.D		Analyzed: 11/06/12 05:20		
o-Terphenyl	0.02000	90.5	30 - 140	10.84	10.83	0.0100	+/-0.050	
LCS (2J23015-BS2) mg/L				Lab File ID: 019F1901.D		Analyzed: 11/06/12 05:54		
o-Terphenyl	0.02000	72.8	30 - 140	10.826	10.83	-0.0040	+/-0.050	
LCS Dup (2J23015-BSD2) mg/L				Lab File ID: 020F2001.D		Analyzed: 11/06/12 06:27		
o-Terphenyl	0.02000	96.6	30 - 140	10.83	10.83	0.0000	+/-0.050	
GW0774 (1210200-01RE1) mg/L				Lab File ID: 021F2101.D		Analyzed: 11/06/12 07:00		
o-Terphenyl	0.01961	73.8	30 - 140	10.836	10.83	0.0060	+/-0.050	
GW0789 (1210200-03RE1) mg/L				Lab File ID: 022F2201.D		Analyzed: 11/06/12 07:33		
o-Terphenyl	0.01852	67.3	30 - 140	10.843	10.83	0.0130	+/-0.050	
GW0790 (1210200-05RE1) mg/L				Lab File ID: 023F2301.D		Analyzed: 11/06/12 08:07		
o-Terphenyl	0.02222	63.6	30 - 140	10.843	10.83	0.0130	+/-0.050	
GW0791 (1210200-07RE1) mg/L				Lab File ID: 024F2401.D		Analyzed: 11/06/12 08:40		
o-Terphenyl	0.02000	81.4	30 - 140	10.846	10.83	0.0160	+/-0.050	
GW0799 (1210200-09RE1) mg/L				Lab File ID: 025F2501.D		Analyzed: 11/06/12 09:13		
o-Terphenyl	0.02000	72.5	30 - 140	10.86	10.83	0.0300	+/-0.050	
GW0800 (1210200-11RE1) mg/L				Lab File ID: 026F2601.D		Analyzed: 11/06/12 09:46		
o-Terphenyl	0.02000	65.7	30 - 140	10.856	10.83	0.0260	+/-0.050	
GW0801 (1210200-13RE1) mg/L				Lab File ID: 027F2701.D		Analyzed: 11/06/12 10:19		
o-Terphenyl	0.02222	67.4	30 - 140	10.876	10.83	0.0460	+/-0.050	
GW0854 (1210200-15RE1) mg/L				Lab File ID: 028F2801.D		Analyzed: 11/06/12 10:52		
o-Terphenyl	0.02222	78.3	30 - 140	10.856	10.83	0.0260	+/-0.050	
GW0864 (1210200-17RE1) mg/L				Lab File ID: 029F2901.D		Analyzed: 11/06/12 11:25		
o-Terphenyl	0.01887	61.5	30 - 140	10.876	10.83	0.0460	+/-0.050	
GW0865 (1210200-19RE1) mg/L				Lab File ID: 030F3001.D		Analyzed: 11/06/12 11:58		
o-Terphenyl	0.01887	33.8	30 - 140	10.886	10.83	0.0560	+/-0.050	*
Calibration Check (2K31307-CCV3) mg/L				Lab File ID: 031F3101.D		Analyzed: 11/06/12 12:31		
o-Terphenyl	50.00	88.7	80 - 120	10.843	10.83	0.0130	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31307	Instrument:	GL-GCFID2
		Calibration:	2313002

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0866 (1210200-21RE1) mg/L				Lab File ID: 032F3201.D		Analyzed: 11/06/12 13:04		
o-Terphenyl	0.01923	36.2	30 - 140	10.893	10.83	0.0630	+/-0.050	*
GW0867 (1210200-23RE1) mg/L				Lab File ID: 033F3301.D		Analyzed: 11/06/12 13:38		
o-Terphenyl	0.01887	39.3	30 - 140	10.883	10.83	0.0530	+/-0.050	*
Blank (2J19032-BLK2) mg/L				Lab File ID: 034F3401.D		Analyzed: 11/06/12 14:11		
o-Terphenyl	0.02000	52.4	30 - 140	10.88	10.83	0.0500	+/-0.050	
LCS (2J19032-BS2) mg/L				Lab File ID: 035F3501.D		Analyzed: 11/06/12 14:44		
o-Terphenyl	0.02000	80.0	30 - 140	10.843	10.83	0.0130	+/-0.050	
GW0754 (1210178-01RE1) mg/L				Lab File ID: 036F3601.D		Analyzed: 11/06/12 15:17		
o-Terphenyl	0.02222	36.6	30 - 140	10.883	10.83	0.0530	+/-0.050	*
Matrix Spike (2J19032-MS2) mg/L				Lab File ID: 037F3701.D		Analyzed: 11/06/12 15:50		
o-Terphenyl	0.02500	63.8	30 - 140	10.843	10.83	0.0130	+/-0.050	
Matrix Spike Dup (2J19032-MSD2) mg/L				Lab File ID: 038F3801.D		Analyzed: 11/06/12 16:23		
o-Terphenyl	0.02500	66.0	30 - 140	10.873	10.83	0.0430	+/-0.050	
GW0808 (1210178-03RE1) mg/L				Lab File ID: 039F3901.D		Analyzed: 11/06/12 16:56		
o-Terphenyl	0.01860	70.4	30 - 140	10.88	10.83	0.0500	+/-0.050	
GW0809 (1210178-05RE1) mg/L				Lab File ID: 040F4001.D		Analyzed: 11/06/12 17:29		
o-Terphenyl	0.02000	63.3	30 - 140	10.883	10.83	0.0530	+/-0.050	*
GW0810 (1210178-07RE1) mg/L				Lab File ID: 041F4101.D		Analyzed: 11/06/12 18:02		
o-Terphenyl	0.02000	60.8	30 - 140	10.856	10.83	0.0260	+/-0.050	
GW0811 (1210178-09RE1) mg/L				Lab File ID: 042F4201.D		Analyzed: 11/06/12 18:35		
o-Terphenyl	0.01905	38.0	30 - 140	10.903	10.83	0.0730	+/-0.050	*
GW0826 (1210178-13RE1) mg/L				Lab File ID: 043F4301.D		Analyzed: 11/06/12 19:08		
o-Terphenyl	0.01923	45.4	30 - 140	10.88	10.83	0.0500	+/-0.050	
GW0827 (1210178-15RE1) mg/L				Lab File ID: 044F4401.D		Analyzed: 11/06/12 19:41		
o-Terphenyl	0.01942	80.8	30 - 140	10.826	10.83	-0.0040	+/-0.050	
Calibration Check (2K31307-CCV4) mg/L				Lab File ID: 046F4601.D		Analyzed: 11/06/12 20:47		
o-Terphenyl	50.00	86.1	80 - 120	10.84	10.83	0.0100	+/-0.050	
GW0862 (1210178-25RE1) mg/L				Lab File ID: 050F5001.D		Analyzed: 11/06/12 23:00		
o-Terphenyl	0.02500	50.8	30 - 140	10.876	10.83	0.0460	+/-0.050	
Calibration Check (2K31307-CCV5) mg/L				Lab File ID: 060F6001.D		Analyzed: 11/07/12 04:32		
o-Terphenyl	50.00	80.4	80 - 120	10.83	10.83	0.0000	+/-0.050	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K32020	Instrument:	GL-GCFID2
		Calibration:	2320005

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2K32020-CCV1) mg/L				Lab File ID: 017F1701.D		Analyzed: 11/15/12 06:05		
o-Terphenyl	50.00	80.0	80 - 120	11.53	11.53	0.0000	+/-0.050	
GW0855 (1210178-17RE2) mg/L				Lab File ID: 018F1801.D		Analyzed: 11/15/12 06:39		
o-Terphenyl	0.02353	102	30 - 140	11.533	11.53	0.0030	+/-0.050	
GW0856 (1210178-19RE2) mg/L				Lab File ID: 019F1901.D		Analyzed: 11/15/12 07:12		
o-Terphenyl	0.02353	110	30 - 140	11.533	11.53	0.0030	+/-0.050	
GW0857 (1210178-21RE2) mg/L				Lab File ID: 020F2001.D		Analyzed: 11/15/12 07:45		
o-Terphenyl	0.02500	78.3	30 - 140	11.54	11.53	0.0100	+/-0.050	
GW0861 (1210178-23RE2) mg/L				Lab File ID: 021F2101.D		Analyzed: 11/15/12 08:18		
o-Terphenyl	0.02500	81.8	30 - 140	11.473	11.53	-0.0570	+/-0.050	*
GW0863 (1210178-27RE2) mg/L				Lab File ID: 022F2201.D		Analyzed: 11/15/12 08:51		
o-Terphenyl	0.02500	79.5	30 - 140	11.46	11.53	-0.0700	+/-0.050	*
Calibration Check (2K32020-CCV2) mg/L				Lab File ID: 027F2701.D		Analyzed: 11/15/12 11:38		
o-Terphenyl	50.00	92.6	80 - 120	11.46	11.53	-0.0700	+/-0.050	*

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J19032	Laboratory ID:	2J19032-BS2
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	0.8367	83.7	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23015	Laboratory ID:	2J23015-BS2
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	0.6561	65.6	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.8306	83.1	23.5	30	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J26020	Laboratory ID:	2J26020-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	0.8636	86.4	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.000	0.7957	79.6	8.19	30	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B DRO

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J19032

% Solids:

Source Sample Name: **1210178-01RE1**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Diesel Range Organics (C10-C28)	1.250	ND	0.9033	72.3		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)	1.250	0.9068	72.5	0.388		30	50 - 150

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J19032 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01RE1	10/20/12 12:13	900.00	1.00
GW0808	1210178-03RE1	10/20/12 12:13	1,075.00	1.00
GW0809	1210178-05RE1	10/20/12 12:13	1,000.00	1.00
GW0810	1210178-07RE1	10/20/12 12:13	1,000.00	1.00
GW0811	1210178-09RE1	10/20/12 12:13	1,050.00	1.00
GW0826	1210178-13RE1	10/20/12 12:13	1,040.00	1.00
GW0827	1210178-15RE1	10/20/12 12:13	1,030.00	1.00
GW0855	1210178-17RE2	10/20/12 12:13	850.00	1.00
GW0856	1210178-19RE2	10/20/12 12:13	850.00	1.00
GW0857	1210178-21RE2	10/20/12 12:13	800.00	1.00
GW0861	1210178-23RE2	10/20/12 12:13	800.00	1.00
GW0862	1210178-25RE1	10/20/12 12:13	800.00	1.00
GW0863	1210178-27RE2	10/20/12 12:13	800.00	1.00
Blank	2J19032-BLK2	10/20/12 12:13	1,000.00	1.00
LCS	2J19032-BS2	10/20/12 12:13	1,000.00	1.00
GW0754	2J19032-MS2	10/20/12 12:13	800.00	1.00
GW0754	2J19032-MSD2	10/20/12 12:13	800.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J23015 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-01RE1	10/23/12 14:30	1,020.00	1.00
GW0789	1210200-03RE1	10/23/12 14:30	1,080.00	1.00
GW0790	1210200-05RE1	10/23/12 14:30	900.00	1.00
GW0791	1210200-07RE1	10/23/12 14:30	1,000.00	1.00
GW0799	1210200-09RE1	10/23/12 14:30	1,000.00	1.00
GW0800	1210200-11RE1	10/23/12 14:30	1,000.00	1.00
GW0801	1210200-13RE1	10/23/12 14:30	900.00	1.00
GW0854	1210200-15RE1	10/23/12 14:30	900.00	1.00
GW0864	1210200-17RE1	10/23/12 14:30	1,060.00	1.00
GW0865	1210200-19RE1	10/23/12 14:30	1,060.00	1.00
GW0866	1210200-21RE1	10/23/12 14:30	1,040.00	1.00
GW0867	1210200-23RE1	10/23/12 14:30	1,060.00	1.00
Blank	2J23015-BLK2	10/23/12 14:30	1,000.00	1.00
LCS	2J23015-BS2	10/23/12 14:30	1,000.00	1.00
LCS Dup	2J23015-BSD2	10/23/12 14:30	1,000.00	1.00

PREPARATION BATCH SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J26020 Batch Matrix: Water Preparation: EXT_3510

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0825	1210178-11RE1	10/26/12 10:00	500.00	0.50
Blank	2J26020-BLK1	10/26/12 10:00	1,000.00	1.00
LCS	2J26020-BS1	10/26/12 10:00	1,000.00	1.00
LCS Dup	2J26020-BSD1	10/26/12 10:00	1,000.00	1.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19032-BLK2	File ID:	034F3401.D
Sampled:		Prepared:		Analyzed:	11/06/12 14:11
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J19032	Sequence:	2K31307	Calibration:	2313002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01047	52.4	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19032-BS2	File ID:	035F3501.D
Sampled:		Prepared:		Analyzed:	11/06/12 14:44
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J19032	Sequence:	2K31307	Calibration:	2313002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.8367**	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01600	80.0	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J19032-MS2	File ID:	037F3701.D
Sampled:		Prepared:		Analyzed:	11/06/12 15:50
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J19032	Sequence:	2K31307	Calibration:	2313002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.9033**	0.125	0.250	0.500	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02500	0.01596	63.8	30 - 140	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2J19032-MSD2	File ID:	038F3801.D
Sampled:		Prepared:		Analyzed:	11/06/12 16:23
Solids:		Preparation:	EXT_3510	Dilution:	

Batch: 2J19032 Sequence: 2K31307 Calibration: 2313002 Instrument: GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.9068**	0.125	0.250	0.500	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02500	0.01651	66.0	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J23015-BLK2	File ID:	018F1801.D
Sampled:		Prepared:		Analyzed:	11/06/12 05:20
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J23015	Sequence:	2K31307	Calibration:	2313002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01811	90.5	30 - 140	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J23015-BS2	File ID:	019F1901.D
Sampled:		Prepared:		Analyzed:	11/06/12 05:54
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J23015	Sequence:	2K31307	Calibration:	2313002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.6561**	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01456	72.8	30 - 140	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J23015-BSD2	File ID:	020F2001.D
Sampled:		Prepared:		Analyzed:	11/06/12 06:27
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J23015	Sequence:	2K31307	Calibration:	2313002	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.8306**	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01931	96.6	30 - 140	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J26020-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	10/29/12 17:31
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J26020	Sequence:	2K30712	Calibration:	2278001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)		0.100	0.200	0.400	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01440	72.0	30 - 140	Y

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J26020-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	10/29/12 18:04
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J26020	Sequence:	2K30712	Calibration:	2278001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.8636**	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01577	78.9	30 - 140	Y

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J26020-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	10/29/12 18:37
Solids:		Preparation:	EXT_3510	Dilution:	

Batch:	2J26020	Sequence:	2K30712	Calibration:	2278001	Instrument:	GL-GCFID2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
11-84-7	Diesel Range Organics (C10-C28)	**0.7957**	0.100	0.200	0.400	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
o-Terphenyl	0.02000	0.01367	68.4	30 - 140	Y

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J27808	Instrument:	GL-GCFID2
Calibration:	2278001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12J0087	DRO/OTP Cal1 (5000/250ppm)	2J27808-CAL1	003F0301.D	10/03/12 13:48
12J0088	DRO/OTP Cal2 (2500/125ppm)	2J27808-CAL2	004F0401.D	10/03/12 14:21
12J0089	DRO/OTP Cal3 (1000/50ppm)	2J27808-CAL3	005F0501.D	10/03/12 14:54
12J0090	DRO/OTP Cal4 (500/25ppm)	2J27808-CAL4	006F0601.D	10/03/12 15:28
12J0091	DRO/OTP Cal5 (250/12.5ppm)	2J27808-CAL5	007F0701.D	10/03/12 16:01
12J0092	DRO/OTP Cal6 (100/5ppm)	2J27808-CAL6	008F0801.D	10/03/12 16:34

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31304	Instrument:	GL-GCFID2
Calibration:	2313002		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12J0087	DRO/OTP Cal1 (5000/250ppm)	2K31304-CAL1	003F0301.D	11/05/12 21:03
12J0088	DRO/OTP Cal2 (2500/125ppm)	2K31304-CAL2	004F0401.D	11/05/12 21:36
12J0089	DRO/OTP Cal3 (1000/50ppm)	2K31304-CAL3	005F0501.D	11/05/12 22:09
12J0090	DRO/OTP Cal4 (500/25ppm)	2K31304-CAL4	006F0601.D	11/05/12 22:42
12J0091	DRO/OTP Cal5 (250/12.5ppm)	2K31304-CAL5	007F0701.D	11/05/12 23:15
12J0092	DRO/OTP Cal6 (100/5ppm)	2K31304-CAL6	008F0801.D	11/05/12 23:49

INITIAL CALIBRATION STANDARDS

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K32018	Instrument:	GL-GCFID2
Calibration:	2320005		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12J0092	DRO/OTP Cal6 (100/5ppm)	2K32018-CAL6	010F1001.D	11/15/12 02:14
12J0091	DRO/OTP Cal5 (250/12.5ppm)	2K32018-CAL5	011F1101.D	11/15/12 02:47
12J0090	DRO/OTP Cal4 (500/25ppm)	2K32018-CAL4	012F1201.D	11/15/12 03:20
12J0089	DRO/OTP Cal3 (1000/50ppm)	2K32018-CAL3	013F1301.D	11/15/12 03:53
12J0088	DRO/OTP Cal2 (2500/125ppm)	2K32018-CAL2	014F1401.D	11/15/12 04:26
12J0087	DRO/OTP Cal1 (5000/250ppm)	2K32018-CAL1	015F1501.D	11/15/12 04:59

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J27808	Instrument:	GL-GCFID2
Calibration:	2278001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J27808-CAL1	003F0301.D	10/03/12 13:48
Cal Standard	2J27808-CAL2	004F0401.D	10/03/12 14:21
Cal Standard	2J27808-CAL3	005F0501.D	10/03/12 14:54
Cal Standard	2J27808-CAL4	006F0601.D	10/03/12 15:28
Cal Standard	2J27808-CAL5	007F0701.D	10/03/12 16:01
Cal Standard	2J27808-CAL6	008F0801.D	10/03/12 16:34
Initial Cal Check	2J27808-ICV1	009F0901.D	10/03/12 17:08

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30712	Instrument:	GL-GCFID2
Calibration:	2278001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2K30712-CCV1	003F0301.D	10/29/12 16:57
Blank	2J26020-BLK1	004F0401.D	10/29/12 17:31
LCS	2J26020-BS1	005F0501.D	10/29/12 18:04
LCS Dup	2J26020-BSD1	006F0601.D	10/29/12 18:37
GW0825	1210178-11RE1	007F0701.D	10/29/12 19:10
Calibration Check	2K30712-CCV2	017F1701.D	10/30/12 00:42

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31304	Instrument:	GL-GCFID2
Calibration:	2313002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K31304-CAL1	003F0301.D	11/05/12 21:03
Cal Standard	2K31304-CAL2	004F0401.D	11/05/12 21:36
Cal Standard	2K31304-CAL3	005F0501.D	11/05/12 22:09
Cal Standard	2K31304-CAL4	006F0601.D	11/05/12 22:42
Cal Standard	2K31304-CAL5	007F0701.D	11/05/12 23:15
Cal Standard	2K31304-CAL6	008F0801.D	11/05/12 23:49
Initial Cal Check	2K31304-ICV1	009F0901.D	11/06/12 00:22

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31307	Instrument:	GL-GCFID2
Calibration:	2313002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2K31307-CCV1	010F1001.D	11/05/12 00:55
Calibration Check	2K31307-CCV2	017F1701.D	11/06/12 04:47
Blank	2J23015-BLK2	018F1801.D	11/06/12 05:20
LCS	2J23015-BS2	019F1901.D	11/06/12 05:54
LCS Dup	2J23015-BSD2	020F2001.D	11/06/12 06:27
GW0774	1210200-01RE1	021F2101.D	11/06/12 07:00
GW0789	1210200-03RE1	022F2201.D	11/06/12 07:33
GW0790	1210200-05RE1	023F2301.D	11/06/12 08:07
GW0791	1210200-07RE1	024F2401.D	11/06/12 08:40
GW0799	1210200-09RE1	025F2501.D	11/06/12 09:13
GW0800	1210200-11RE1	026F2601.D	11/06/12 09:46
GW0801	1210200-13RE1	027F2701.D	11/06/12 10:19
GW0854	1210200-15RE1	028F2801.D	11/06/12 10:52
GW0864	1210200-17RE1	029F2901.D	11/06/12 11:25
GW0865	1210200-19RE1	030F3001.D	11/06/12 11:58
Calibration Check	2K31307-CCV3	031F3101.D	11/06/12 12:31
GW0866	1210200-21RE1	032F3201.D	11/06/12 13:04
GW0867	1210200-23RE1	033F3301.D	11/06/12 13:38
Blank	2J19032-BLK2	034F3401.D	11/06/12 14:11
LCS	2J19032-BS2	035F3501.D	11/06/12 14:44
GW0754	1210178-01RE1	036F3601.D	11/06/12 15:17
GW0754	2J19032-MS2	037F3701.D	11/06/12 15:50
GW0754	2J19032-MSD2	038F3801.D	11/06/12 16:23
GW0808	1210178-03RE1	039F3901.D	11/06/12 16:56
GW0809	1210178-05RE1	040F4001.D	11/06/12 17:29
GW0810	1210178-07RE1	041F4101.D	11/06/12 18:02
GW0811	1210178-09RE1	042F4201.D	11/06/12 18:35
GW0826	1210178-13RE1	043F4301.D	11/06/12 19:08
GW0827	1210178-15RE1	044F4401.D	11/06/12 19:41
Calibration Check	2K31307-CCV4	046F4601.D	11/06/12 20:47
GW0862	1210178-25RE1	050F5001.D	11/06/12 23:00
Calibration Check	2K31307-CCV5	060F6001.D	11/07/12 04:32

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K32018	Instrument:	GL-GCFID2
Calibration:	2320005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K32018-CAL6	010F1001.D	11/15/12 02:14
Cal Standard	2K32018-CAL5	011F1101.D	11/15/12 02:47
Cal Standard	2K32018-CAL4	012F1201.D	11/15/12 03:20
Cal Standard	2K32018-CAL3	013F1301.D	11/15/12 03:53
Cal Standard	2K32018-CAL2	014F1401.D	11/15/12 04:26
Cal Standard	2K32018-CAL1	015F1501.D	11/15/12 04:59
Initial Cal Check	2K32018-ICV1	016F1601.D	11/15/12 05:32

ANALYSIS SEQUENCE SUMMARY

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K32020	Instrument:	GL-GCFID2
Calibration:	2320005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2K32020-CCV1	017F1701.D	11/15/12 06:05
GW0855	1210178-17RE2	018F1801.D	11/15/12 06:39
GW0856	1210178-19RE2	019F1901.D	11/15/12 07:12
GW0857	1210178-21RE2	020F2001.D	11/15/12 07:45
GW0861	1210178-23RE2	021F2101.D	11/15/12 08:18
GW0863	1210178-27RE2	022F2201.D	11/15/12 08:51
Calibration Check	2K32020-CCV2	027F2701.D	11/15/12 11:38

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2278001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	10/3/12_13:48	10/3/12_16:34

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF	mg/L	RF
Diesel Range Organics (C10-C28)	5000	713.812	2500	581.5312	1000	606.94	500	556.046	250	379.18	100	327.93
o-Terphenyl	250	816.82	125	677.752	50	727.64	25	672.88	12.5	695.44	5	749

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2278001	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	10/3/12 13:48	10/3/12 16:34

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	527.5732	27.67442	5.88	1.329984E-02		0.9990672	0.99	
o-Terphenyl	723.2553	7.527006	11.10817	4.717436E-02			20	

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2313002	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	11/5/12 21:03	11/5/12 23:49

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	474.4058	2500	376.0528	1000	515.069	500	319.106	250	273.216	100	215.54
o-Terphenyl	250	482.016	125	385.032	50	524.8	25	351	12.5	333.04	5	328.6

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2313002	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	11/5/12 21:03	11/5/12 23:49

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	362.2316	32.06067	5.633	9.828972E-03		0.991739	0.99	
o-Terphenyl	400.748	20.72929	10.827	0.1230767		0.9924576	0.99	

INITIAL CALIBRATION DATA

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2320005	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	11/15/12 2:14	11/15/12 4:59

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	476.824	2500	448.1404	1000	538.35	500	274.594	250	340.924	100	614.25
o-Terphenyl	250	540.764	125	556.872	50	720.8	25	438.2	12.5	561.6	5	856

INITIAL CALIBRATION DATA (Continued)

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2320005	Instrument:	GL-GCFID2	
Matrix:	Water	Calibration Dates:	11/15/12 2:14	11/15/12 4:59

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Diesel Range Organics (C10-C28)	448.8471	27.85601	6.44	2.123135E-02	0.9957564		0.995	
o-Terphenyl	612.3727	24.46579	11.455	0.1110084		0.9960525	0.99	

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	009F0901.D	Calibration Date:	10/03/12 13:48
Sequence:	2J27808	Injection Date:	10/03/12
Lab Sample ID:	2J27808-ICV1	Injection Time:	17:08

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1014	527.5732	557.896		1.4	20

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2313002
Lab File ID:	009F0901.D	Calibration Date:	11/05/12 21:03
Sequence:	2K31304	Injection Date:	11/06/12
Lab Sample ID:	2K31304-ICV1	Injection Time:	00:22

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1025	362.2316	394.624		2.5	20

INITIAL CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2320005
Lab File ID:	016F1601.D	Calibration Date:	11/15/12 02:14
Sequence:	2K32018	Injection Date:	11/15/12
Lab Sample ID:	2K32018-ICV1	Injection Time:	05:32

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Diesel Range Organics (C10-C28)	L	1000	822.7	448.8471	367.651		-17.7	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	003F0301.D	Calibration Date:	10/03/12 13:48
Sequence:	2K30712	Injection Date:	10/29/12
Lab Sample ID:	2K30712-CCV1	Injection Time:	16:57

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	872.4	527.5732	475.616		-12.8	20
o-Terphenyl	A	50.00	36.27	723.2553	524.66		-27.5	20 *

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2278001
Lab File ID:	017F1701.D	Calibration Date:	10/03/12 13:48
Sequence:	2K30712	Injection Date:	10/30/12
Lab Sample ID:	2K30712-CCV2	Injection Time:	00:42

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	813.9	527.5732	441.848		-18.6	20
o-Terphenyl	A	50.00	36.25	723.2553	524.38		-27.5	20 *

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2313002
Lab File ID:	010F1001.D	Calibration Date:	11/05/12 21:03
Sequence:	2K31307	Injection Date:	11/05/12
Lab Sample ID:	2K31307-CCV1	Injection Time:	00:55

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	911.5	362.2316	348.485		-8.8	20
o-Terphenyl	Q	50.00	44.92	400.748	357.6		-10.2	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2313002
Lab File ID:	017F1701.D	Calibration Date:	11/05/12 21:03
Sequence:	2K31307	Injection Date:	11/06/12
Lab Sample ID:	2K31307-CCV2	Injection Time:	04:47

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	1159	362.2316	449.339		15.9	20
o-Terphenyl	Q	50.00	59.81	400.748	479.78		19.6	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2313002
Lab File ID:	031F3101.D	Calibration Date:	11/05/12 21:03
Sequence:	2K31307	Injection Date:	11/06/12
Lab Sample ID:	2K31307-CCV3	Injection Time:	12:31

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	914.8	362.2316	349.828		-8.5	20
o-Terphenyl	Q	50.00	44.33	400.748	352.88		-11.3	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2313002
Lab File ID:	046F4601.D	Calibration Date:	11/05/12 21:03
Sequence:	2K31307	Injection Date:	11/06/12
Lab Sample ID:	2K31307-CCV4	Injection Time:	20:47

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	944.5	362.2316	361.833		-5.6	20
o-Terphenyl	Q	50.00	43.04	400.748	342.38		-13.9	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2313002
Lab File ID:	060F6001.D	Calibration Date:	11/05/12 21:03
Sequence:	2K31307	Injection Date:	11/07/12
Lab Sample ID:	2K31307-CCV5	Injection Time:	04:32

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	Q	1000	903.2	362.2316	345.137		-9.7	20
o-Terphenyl	Q	50.00	40.18	400.748	319.34		-19.6	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2320005
Lab File ID:	017F1701.D	Calibration Date:	11/15/12 02:14
Sequence:	2K32020	Injection Date:	11/15/12
Lab Sample ID:	2K32020-CCV1	Injection Time:	06:05

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	L	1000	810.8	448.8471	361.925		-18.9	20
o-Terphenyl	Q	50.00	40.02	612.3727	488.3		-20.0	20

CONTINUING CALIBRATION CHECK

SW8015B DRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCFID2	Calibration:	2320005
Lab File ID:	027F2701.D	Calibration Date:	11/15/12 02:14
Sequence:	2K32020	Injection Date:	11/15/12
Lab Sample ID:	2K32020-CCV2	Injection Time:	11:38

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Diesel Range Organics (C10-C28)	L	1000	884.5	448.8471	397.334		-11.6	20
o-Terphenyl	Q	50.00	46.30	612.3727	563.88		-7.4	20

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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
GW0754	10/16/12 16:26	10/17/12 08:10	10/20/12 12:13	3.78	7.00	11/06/12 15:17	17.13	40.00	
GW0808	10/16/12 16:09	10/17/12 08:10	10/20/12 12:13	3.79	7.00	11/06/12 16:56	17.20	40.00	
GW0809	10/16/12 13:59	10/17/12 08:10	10/20/12 12:13	3.88	7.00	11/06/12 17:29	17.22	40.00	
GW0810	10/16/12 13:59	10/17/12 08:10	10/20/12 12:13	3.88	7.00	11/06/12 18:02	17.24	40.00	
GW0811	10/16/12 11:32	10/17/12 08:10	10/20/12 12:13	3.99	7.00	11/06/12 18:35	17.27	40.00	
GW0825	10/15/12 15:54	10/17/12 08:10	10/26/12 10:00	10.71	7.00	10/29/12 19:10	3.38	40.00	*
GW0826	10/15/12 11:13	10/17/12 08:10	10/20/12 12:13	5.00	7.00	11/06/12 19:08	17.29	40.00	
GW0827	10/15/12 13:37	10/17/12 08:10	10/20/12 12:13	4.90	7.00	11/06/12 19:41	17.31	40.00	
GW0855	10/16/12 14:01	10/17/12 08:10	10/20/12 12:13	3.88	7.00	11/15/12 06:39	25.77	40.00	
GW0856	10/16/12 14:01	10/17/12 08:10	10/20/12 12:13	3.88	7.00	11/15/12 07:12	25.79	40.00	
GW0857	10/16/12 11:28	10/17/12 08:10	10/20/12 12:13	3.99	7.00	11/15/12 07:45	25.81	40.00	
GW0861	10/15/12 16:23	10/17/12 08:10	10/20/12 12:13	4.78	7.00	11/15/12 08:18	25.84	40.00	
GW0862	10/15/12 13:40	10/17/12 08:10	10/20/12 12:13	4.90	7.00	11/06/12 23:00	17.45	40.00	
GW0863	10/15/12 11:03	10/17/12 08:10	10/20/12 12:13	5.01	7.00	11/15/12 08:51	25.86	40.00	
GW0774	10/18/12 15:43	10/19/12 17:15	10/23/12 14:30	4.91	7.00	11/06/12 07:00	13.69	40.00	
GW0789	10/18/12 15:34	10/19/12 17:15	10/23/12 14:30	4.91	7.00	11/06/12 07:33	13.71	40.00	
GW0790	10/18/12 13:33	10/19/12 17:15	10/23/12 14:30	5.00	7.00	11/06/12 08:07	13.73	40.00	
GW0791	10/18/12 11:09	10/19/12 17:15	10/23/12 14:30	5.10	7.00	11/06/12 08:40	13.76	40.00	
GW0799	10/17/12 16:07	10/19/12 17:15	10/23/12 14:30	5.89	7.00	11/06/12 09:13	13.78	40.00	
GW0800	10/17/12 13:35	10/19/12 17:15	10/23/12 14:30	6.00	7.00	11/06/12 09:46	13.80	40.00	
GW0801	10/17/12 11:06	10/19/12 17:15	10/23/12 14:30	6.10	7.00	11/06/12 10:19	13.83	40.00	
GW0854	10/18/12 12:49	10/19/12 17:15	10/23/12 14:30	5.03	7.00	11/06/12 10:52	13.85	40.00	
GW0864	10/17/12 16:11	10/19/12 17:15	10/23/12 14:30	5.89	7.00	11/06/12 11:25	13.87	40.00	
GW0865	10/17/12 13:23	10/19/12 17:15	10/23/12 14:30	6.00	7.00	11/06/12 11:58	13.89	40.00	

HOLDING TIME SUMMARY

SW8015B DRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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
GW0866	10/17/12 13:23	10/19/12 17:15	10/23/12 14:30	6.00	7.00	11/06/12 13:04	13.94	40.00	
GW0867	10/17/12 10:41	10/19/12 17:15	10/23/12 14:30	6.12	7.00	11/06/12 13:38	13.96	40.00	

SW8015B (GRO)
Forms

Sample Extraction Data

Prep Method: 8015GRO-SW8015B GRO

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-03 [GW0808]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-05 [GW0809]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-07 [GW0810]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-09 [GW0811]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-11 [GW0825]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-13 [GW0826]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-15 [GW0827]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-17 [GW0855]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-19 [GW0856]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-23 [GW0861]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-25 [GW0862]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12
1210178-27 [GW0863]	2J18024	5.00/5.00	5.00	5.00	1.00		10/19/12

Sample Extraction Data

Prep Method: 8015GRO-SW8015B GRO

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2J22023	5.00/5.00	5.00	5.00	1.00		10/22/12
1210178-21 [GW0857]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-01 [GW0774]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-03 [GW0789]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-05 [GW0790]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-07 [GW0791]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-09 [GW0799]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-11 [GW0800]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-13 [GW0801]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-15 [GW0854]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-17 [GW0864]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-19 [GW0865]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-21 [GW0866]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12
1210200-23 [GW0867]	2J22023	5.00/5.00	5.00	5.00	1.00		10/23/12

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-01	File ID:	007F0701.D
Sampled:	10/16/12 16:26	Prepared:	10/22/12 23:23	Analyzed:	10/22/12 23:23
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05217	104	50 - 150	

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-03	File ID:	030F3001.D
Sampled:	10/16/12 16:09	Prepared:	10/19/12 12:27	Analyzed:	10/19/12 12:27
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05088	102	50 - 150	

ANALYSIS DATA SHEET

GW0809

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-05	File ID:	031F3101.D
Sampled:	10/16/12 13:59	Prepared:	10/19/12 13:05	Analyzed:	10/19/12 13:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04972	99.4	50 - 150	

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-07	File ID:	033F3301.D
Sampled:	10/16/12 13:59	Prepared:	10/19/12 14:25	Analyzed:	10/19/12 14:25
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04758	95.2	50 - 150	Y

ANALYSIS DATA SHEET

GW0811

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-09	File ID:	034F3401.D
Sampled:	10/16/12 11:32	Prepared:	10/19/12 15:05	Analyzed:	10/19/12 15:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04909	98.2	50 - 150	Y

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-11	File ID:	035F3501.D
Sampled:	10/15/12 15:54	Prepared:	10/19/12 15:45	Analyzed:	10/19/12 15:45
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.271**	0.0500	0.100	0.150	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04500	90.0	50 - 150	Y

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-13	File ID:	036F3601.D
Sampled:	10/15/12 11:13	Prepared:	10/19/12 16:25	Analyzed:	10/19/12 16:25
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05188	104	50 - 150	Y

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-15	File ID:	037F3701.D
Sampled:	10/15/12 13:37	Prepared:	10/19/12 17:05	Analyzed:	10/19/12 17:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.305**	0.0500	0.100	0.150	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04951	99.0	50 - 150	Y

ANALYSIS DATA SHEET

GW0855

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-17	File ID:	038F3801.D
Sampled:	10/16/12 14:01	Prepared:	10/19/12 17:45	Analyzed:	10/19/12 17:45
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05100	102	50 - 150	Y

ANALYSIS DATA SHEET

GW0856

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-19	File ID:	039F3901.D
Sampled:	10/16/12 14:01	Prepared:	10/19/12 18:25	Analyzed:	10/19/12 18:25
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05544	111	50 - 150	Y

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-21	File ID:	010F1001.D
Sampled:	10/16/12 11:28	Prepared:	10/23/12 01:17	Analyzed:	10/23/12 01:17
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05309	106	50 - 150	

ANALYSIS DATA SHEET

GW0861

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-23	File ID:	040F4001.D
Sampled:	10/15/12 16:23	Prepared:	10/19/12 19:05	Analyzed:	10/19/12 19:05
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04882	97.6	50 - 150	Y

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-25	File ID:	041F4101.D
Sampled:	10/15/12 13:40	Prepared:	10/19/12 19:44	Analyzed:	10/19/12 19:44
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04984	99.7	50 - 150	Y

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-27	File ID:	042F4201.D
Sampled:	10/15/12 11:03	Prepared:	10/19/12 20:24	Analyzed:	10/19/12 20:24
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04850	97.0	50 - 150	Y

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-01	File ID:	011F1101.D
Sampled:	10/18/12 15:43	Prepared:	10/23/12 01:55	Analyzed:	10/23/12 01:55
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.0624**	0.0500	0.100	0.150	J

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05509	110	50 - 150	

ANALYSIS DATA SHEET

GW0789

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-03	File ID:	012F1201.D
Sampled:	10/18/12 15:34	Prepared:	10/23/12 02:33	Analyzed:	10/23/12 02:33
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05258	105	50 - 150	

ANALYSIS DATA SHEET

GW0790

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-05	File ID:	013F1301.D
Sampled:	10/18/12 13:33	Prepared:	10/23/12 03:12	Analyzed:	10/23/12 03:12
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05406	108	50 - 150	

ANALYSIS DATA SHEET

GW0791

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-07	File ID:	014F1401.D
Sampled:	10/18/12 11:09	Prepared:	10/23/12 03:50	Analyzed:	10/23/12 03:50
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05258	105	50 - 150	

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-09	File ID:	015F1501.D
Sampled:	10/17/12 16:07	Prepared:	10/23/12 04:28	Analyzed:	10/23/12 04:28
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.198**	0.0500	0.100	0.150	

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04908	98.2	50 - 150	

ANALYSIS DATA SHEET

GW0800

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-11	File ID:	016F1601.D
Sampled:	10/17/12 13:35	Prepared:	10/23/12 05:06	Analyzed:	10/23/12 05:06
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05150	103	50 - 150	

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-13	File ID:	017F1701.D
Sampled:	10/17/12 11:06	Prepared:	10/23/12 05:44	Analyzed:	10/23/12 05:44
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05319	106	50 - 150	

ANALYSIS DATA SHEET

GW0854

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-15	File ID:	018F1801.D
Sampled:	10/18/12 12:49	Prepared:	10/23/12 06:22	Analyzed:	10/23/12 06:22
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05117	102	50 - 150	

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-17	File ID:	020F2001.D
Sampled:	10/17/12 16:11	Prepared:	10/23/12 07:39	Analyzed:	10/23/12 07:39
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05193	104	50 - 150	

ANALYSIS DATA SHEET

GW0865

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-19	File ID:	021F2101.D
Sampled:	10/17/12 13:23	Prepared:	10/23/12 08:17	Analyzed:	10/23/12 08:17
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05083	102	50 - 150	

ANALYSIS DATA SHEET

GW0866

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-21	File ID:	022F2201.D
Sampled:	10/17/12 13:23	Prepared:	10/23/12 08:55	Analyzed:	10/23/12 08:55
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04925	98.5	50 - 150	

ANALYSIS DATA SHEET

GW0867

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-23	File ID:	023F2301.D
Sampled:	10/17/12 10:41	Prepared:	10/23/12 09:34	Analyzed:	10/23/12 09:34
Solids:		Preparation:	8015GRO	Dilution:	1

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

Total Target Analytes Reported: 1

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04965	99.3	50 - 150	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29809	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29809-CCV1) mg/L				Lab File ID: 003F0301.D		Analyzed: 10/18/12 19:11		
Bromofluorobenzene	0.05000	86.7	80 - 120	20.31	20.31	0.0000	+/-0.210	
Calibration Check (2J29809-CCV2) mg/L				Lab File ID: 014F1401.D		Analyzed: 10/19/12 02:12		
Bromofluorobenzene	0.05000	94.5	80 - 120	20.33	20.31	0.0200	+/-0.210	
Blank (2J18024-BLK1) mg/L				Lab File ID: 015F1501.D		Analyzed: 10/19/12 02:51		
Bromofluorobenzene	0.05000	119	50 - 150	20.33	20.31	0.0200	+/-0.210	
LCS (2J18024-BS1) mg/L				Lab File ID: 016F1601.D		Analyzed: 10/19/12 03:30		
Bromofluorobenzene	0.05000	88.3	50 - 150	20.33	20.31	0.0200	+/-0.210	
LCS Dup (2J18024-BSD1) mg/L				Lab File ID: 017F1701.D		Analyzed: 10/19/12 04:08		
Bromofluorobenzene	0.05000	95.9	50 - 150	20.326	20.31	0.0160	+/-0.210	
GW0808 (1210178-03) mg/L				Lab File ID: 030F3001.D		Analyzed: 10/19/12 12:27		
Bromofluorobenzene	0.05000	102	50 - 150	20.323	20.31	0.0130	+/-0.210	
GW0809 (1210178-05) mg/L				Lab File ID: 031F3101.D		Analyzed: 10/19/12 13:05		
Bromofluorobenzene	0.05000	99.4	50 - 150	20.32	20.31	0.0100	+/-0.210	
Calibration Check (2J29809-CCV3) mg/L				Lab File ID: 032F3201.D		Analyzed: 10/19/12 13:45		
Bromofluorobenzene	0.05000	81.4	80 - 120	20.32	20.31	0.0100	+/-0.210	
GW0810 (1210178-07) mg/L				Lab File ID: 033F3301.D		Analyzed: 10/19/12 14:25		
Bromofluorobenzene	0.05000	95.2	50 - 150	20.316	20.31	0.0060	+/-0.210	
GW0811 (1210178-09) mg/L				Lab File ID: 034F3401.D		Analyzed: 10/19/12 15:05		
Bromofluorobenzene	0.05000	98.2	50 - 150	20.316	20.31	0.0060	+/-0.210	
GW0825 (1210178-11) mg/L				Lab File ID: 035F3501.D		Analyzed: 10/19/12 15:45		
Bromofluorobenzene	0.05000	90.0	50 - 150	20.313	20.31	0.0030	+/-0.210	
GW0826 (1210178-13) mg/L				Lab File ID: 036F3601.D		Analyzed: 10/19/12 16:25		
Bromofluorobenzene	0.05000	104	50 - 150	20.313	20.31	0.0030	+/-0.210	
GW0827 (1210178-15) mg/L				Lab File ID: 037F3701.D		Analyzed: 10/19/12 17:05		
Bromofluorobenzene	0.05000	99.0	50 - 150	20.313	20.31	0.0030	+/-0.210	
GW0855 (1210178-17) mg/L				Lab File ID: 038F3801.D		Analyzed: 10/19/12 17:45		
Bromofluorobenzene	0.05000	102	50 - 150	20.313	20.31	0.0030	+/-0.210	
GW0856 (1210178-19) mg/L				Lab File ID: 039F3901.D		Analyzed: 10/19/12 18:25		
Bromofluorobenzene	0.05000	111	50 - 150	20.313	20.31	0.0030	+/-0.210	
GW0861 (1210178-23) mg/L				Lab File ID: 040F4001.D		Analyzed: 10/19/12 19:05		
Bromofluorobenzene	0.05000	97.6	50 - 150	20.313	20.31	0.0030	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29809	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
GW0862 (1210178-25) mg/L				Lab File ID: 041F4101.D		Analyzed: 10/19/12 19:44		
Bromofluorobenzene	0.05000	99.7	50 - 150	20.316	20.31	0.0060	+/-0.210	
GW0863 (1210178-27) mg/L				Lab File ID: 042F4201.D		Analyzed: 10/19/12 20:24		
Bromofluorobenzene	0.05000	97.0	50 - 150	20.316	20.31	0.0060	+/-0.210	
Calibration Check (2J29809-CCV4) mg/L				Lab File ID: 043F4301.D		Analyzed: 10/19/12 21:03		
Bromofluorobenzene	0.05000	75.8	80 - 120	20.316	20.31	0.0060	+/-0.210	*

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29814	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29814-CCV1) ug/mL				Lab File ID: 003F0301.D		Analyzed: 10/22/12 20:50		
Bromofluorobenzene	0.05000	87.8	80 - 120	20.32	20.32	0.0000	+/-0.210	
Blank (2J22023-BLK1) mg/L				Lab File ID: 004F0401.D		Analyzed: 10/22/12 21:28		
Bromofluorobenzene	0.05000	113	50 - 150	20.32	20.32	0.0000	+/-0.210	
LCS (2J22023-BS1) mg/L				Lab File ID: 005F0501.D		Analyzed: 10/22/12 22:07		
Bromofluorobenzene	0.05000	89.8	50 - 150	20.32	20.32	0.0000	+/-0.210	
LCS Dup (2J22023-BSD1) mg/L				Lab File ID: 006F0601.D		Analyzed: 10/22/12 22:45		
Bromofluorobenzene	0.05000	86.7	50 - 150	20.33	20.32	0.0100	+/-0.210	
GW0754 (1210178-01) mg/L				Lab File ID: 007F0701.D		Analyzed: 10/22/12 23:23		
Bromofluorobenzene	0.05000	104	50 - 150	20.33	20.32	0.0100	+/-0.210	
Matrix Spike (2J22023-MS1) mg/L				Lab File ID: 008F0801.D		Analyzed: 10/23/12 00:01		
Bromofluorobenzene	0.05000	92.0	50 - 150	20.333	20.32	0.0130	+/-0.210	
Matrix Spike Dup (2J22023-MSD1) mg/L				Lab File ID: 009F0901.D		Analyzed: 10/23/12 00:39		
Bromofluorobenzene	0.05000	82.1	50 - 150	20.333	20.32	0.0130	+/-0.210	
GW0857 (1210178-21) mg/L				Lab File ID: 010F1001.D		Analyzed: 10/23/12 01:17		
Bromofluorobenzene	0.05000	106	50 - 150	20.333	20.32	0.0130	+/-0.210	
GW0774 (1210200-01) mg/L				Lab File ID: 011F1101.D		Analyzed: 10/23/12 01:55		
Bromofluorobenzene	0.05000	110	50 - 150	20.33	20.32	0.0100	+/-0.210	
GW0789 (1210200-03) mg/L				Lab File ID: 012F1201.D		Analyzed: 10/23/12 02:33		
Bromofluorobenzene	0.05000	105	50 - 150	20.333	20.32	0.0130	+/-0.210	
GW0790 (1210200-05) mg/L				Lab File ID: 013F1301.D		Analyzed: 10/23/12 03:12		
Bromofluorobenzene	0.05000	108	50 - 150	20.33	20.32	0.0100	+/-0.210	
GW0791 (1210200-07) mg/L				Lab File ID: 014F1401.D		Analyzed: 10/23/12 03:50		
Bromofluorobenzene	0.05000	105	50 - 150	20.333	20.32	0.0130	+/-0.210	
GW0799 (1210200-09) mg/L				Lab File ID: 015F1501.D		Analyzed: 10/23/12 04:28		
Bromofluorobenzene	0.05000	98.2	50 - 150	20.33	20.32	0.0100	+/-0.210	
GW0800 (1210200-11) mg/L				Lab File ID: 016F1601.D		Analyzed: 10/23/12 05:06		
Bromofluorobenzene	0.05000	103	50 - 150	20.33	20.32	0.0100	+/-0.210	
GW0801 (1210200-13) mg/L				Lab File ID: 017F1701.D		Analyzed: 10/23/12 05:44		
Bromofluorobenzene	0.05000	106	50 - 150	20.33	20.32	0.0100	+/-0.210	
GW0854 (1210200-15) mg/L				Lab File ID: 018F1801.D		Analyzed: 10/23/12 06:22		
Bromofluorobenzene	0.05000	102	50 - 150	20.33	20.32	0.0100	+/-0.210	

SURROGATE STANDARD RECOVERY AND RT SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29814	Instrument:	GL-GCVOA2
		Calibration:	2216001

Surrogate Compound	Spike Level	% Recovery	Recovery Limits	RT	CCV RT	RT Diff	RT Diff Limit	Q
Calibration Check (2J29814-CCV2) ug/mL				Lab File ID: 019F1901.D		Analyzed: 10/23/12 07:01		
Bromofluorobenzene	0.05000	91.5	80 - 120	20.323	20.32	0.0030	+/-0.210	
GW0864 (1210200-17) mg/L				Lab File ID: 020F2001.D		Analyzed: 10/23/12 07:39		
Bromofluorobenzene	0.05000	104	50 - 150	20.323	20.32	0.0030	+/-0.210	
GW0865 (1210200-19) mg/L				Lab File ID: 021F2101.D		Analyzed: 10/23/12 08:17		
Bromofluorobenzene	0.05000	102	50 - 150	20.326	20.32	0.0060	+/-0.210	
GW0866 (1210200-21) mg/L				Lab File ID: 022F2201.D		Analyzed: 10/23/12 08:55		
Bromofluorobenzene	0.05000	98.5	50 - 150	20.32	20.32	0.0000	+/-0.210	
GW0867 (1210200-23) mg/L				Lab File ID: 023F2301.D		Analyzed: 10/23/12 09:34		
Bromofluorobenzene	0.05000	99.3	50 - 150	20.313	20.32	-0.0070	+/-0.210	
Calibration Check (2J29814-CCV3) ug/mL				Lab File ID: 024F2401.D		Analyzed: 10/23/12 10:13		
Bromofluorobenzene	0.05000	89.9	80 - 120	20.313	20.32	-0.0070	+/-0.210	

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J18024	Laboratory ID:	2J18024-BS1
Preparation:	8015GRO	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.3906	78.1	50 - 150

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4337	86.7	10.5	30	50 - 150

LCS / LCS DUPLICATE RECOVERY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J22023	Laboratory ID:	2J22023-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	0.4738	94.8	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	0.4609	92.2	2.76	30	50 - 150

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW8015B GRO

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J22023

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	ND	0.5099	102		50 - 150

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Gasoline Range Organics (C6-C10)	0.5000	0.4893	97.9	4.13		30	50 - 150

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J18024 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0808	1210178-03	10/19/12 12:27	5.00	5.00
GW0809	1210178-05	10/19/12 13:05	5.00	5.00
GW0810	1210178-07	10/19/12 14:25	5.00	5.00
GW0811	1210178-09	10/19/12 15:05	5.00	5.00
GW0825	1210178-11	10/19/12 15:45	5.00	5.00
GW0826	1210178-13	10/19/12 16:25	5.00	5.00
GW0827	1210178-15	10/19/12 17:05	5.00	5.00
GW0855	1210178-17	10/19/12 17:45	5.00	5.00
GW0856	1210178-19	10/19/12 18:25	5.00	5.00
GW0861	1210178-23	10/19/12 19:05	5.00	5.00
GW0862	1210178-25	10/19/12 19:44	5.00	5.00
GW0863	1210178-27	10/19/12 20:24	5.00	5.00
Blank	2J18024-BLK1	10/19/12 02:51	5.00	5.00
LCS	2J18024-BS1	10/19/12 03:30	5.00	5.00
LCS Dup	2J18024-BSD1	10/19/12 04:08	5.00	5.00

PREPARATION BATCH SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J22023 Batch Matrix: Water Preparation: 8015GRO

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	10/22/12 23:23	5.00	5.00
GW0857	1210178-21	10/23/12 01:17	5.00	5.00
GW0774	1210200-01	10/23/12 01:55	5.00	5.00
GW0789	1210200-03	10/23/12 02:33	5.00	5.00
GW0790	1210200-05	10/23/12 03:12	5.00	5.00
GW0791	1210200-07	10/23/12 03:50	5.00	5.00
GW0799	1210200-09	10/23/12 04:28	5.00	5.00
GW0800	1210200-11	10/23/12 05:06	5.00	5.00
GW0801	1210200-13	10/23/12 05:44	5.00	5.00
GW0854	1210200-15	10/23/12 06:22	5.00	5.00
GW0864	1210200-17	10/23/12 07:39	5.00	5.00
GW0865	1210200-19	10/23/12 08:17	5.00	5.00
GW0866	1210200-21	10/23/12 08:55	5.00	5.00
GW0867	1210200-23	10/23/12 09:34	5.00	5.00
Blank	2J22023-BLK1	10/22/12 21:28	5.00	5.00
LCS	2J22023-BS1	10/22/12 22:07	5.00	5.00
LCS Dup	2J22023-BSD1	10/22/12 22:45	5.00	5.00
GW0754	2J22023-MS1	10/23/12 00:01	5.00	5.00
GW0754	2J22023-MSD1	10/23/12 00:39	5.00	5.00

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2J18024-BLK1	File ID:	015F1501.D
Sampled:		Prepared:		Analyzed:	10/19/12 02:51
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05970	119	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC			SDG:	Kirtland_066
Client:	Shaw E & I (I700)			Project:	Kirtland AFB 2011
Matrix:		Laboratory ID:	2J18024-BS1	File ID:	016F1601.D
Sampled:		Prepared:		Analyzed:	10/19/12 03:30
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2J18024 Sequence: 2J29809 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.3906**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04416	88.3	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J18024-BSD1	File ID:	017F1701.D
Sampled:		Prepared:		Analyzed:	10/19/12 04:08
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J18024	Sequence:	2J29809	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4337**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04795	95.9	50 - 150	

ANALYSIS DATA SHEET

Blank

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J22023-BLK1	File ID:	004F0401.D
Sampled:		Prepared:		Analyzed:	10/22/12 21:28
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J22023	Sequence:	2J29814	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)		0.0500	0.100	0.150	U

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.05654	113	50 - 150	

ANALYSIS DATA SHEET

LCS

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J22023-BS1	File ID:	005F0501.D
Sampled:		Prepared:		Analyzed:	10/22/12 22:07
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J22023	Sequence:	2J29814	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4738**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04489	89.8	50 - 150	

ANALYSIS DATA SHEET

LCS Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J22023-BSD1	File ID:	006F0601.D
Sampled:		Prepared:		Analyzed:	10/22/12 22:45
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J22023	Sequence:	2J29814	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4609**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04335	86.7	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Matrix:		Laboratory ID:	2J22023-MS1	File ID:	008F0801.D
Sampled:		Prepared:		Analyzed:	10/23/12 00:01
Solids:		Preparation:	8015GRO	Dilution:	

Batch: 2J22023 Sequence: 2J29814 Calibration: 2216001 Instrument: GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.5099**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04599	92.0	50 - 150	

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011

Matrix:		Laboratory ID:	2J22023-MSD1	File ID:	009F0901.D
Sampled:		Prepared:		Analyzed:	10/23/12 00:39
Solids:		Preparation:	8015GRO	Dilution:	

Batch:	2J22023	Sequence:	2J29814	Calibration:	2216001	Instrument:	GL-GCVOA2

CAS NO.	COMPOUND	CONC. (mg/L)	DL	LOD	LOQ	Q
8006-61-9	Gasoline Range Organics (C6-C10)	**0.4893**	0.0500	0.100	0.150	

SYSTEM MONITORING COMPOUND	ADDED (mg/L)	CONC (mg/L)	% REC	QC LIMITS	Q
Bromofluorobenzene	0.05000	0.04104	82.1	50 - 150	

INITIAL CALIBRATION STANDARDS

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21611	Instrument:	GL-GCVOA2
Calibration:	2216001		

Standard ID	Description	Lab Sample ID	Lab File ID	Analysis Date/Time
12H0009	GRO Cal 0.1ppm	2H21611-CAL1	003F0301.D	07/31/12 15:05
12H0010	GRO Cal 0.2ppm	2H21611-CAL2	004F0401.D	07/31/12 15:45
12H0011	GRO Cal 0.5ppm	2H21611-CAL3	005F0501.D	07/31/12 16:25
12H0012	GRO Cal 1.0ppm	2H21611-CAL4	006F0601.D	07/31/12 17:05
12H0013	GRO Cal 2.0ppm	2H21611-CAL5	007F0701.D	07/31/12 17:44
12H0014	GRO Cal 5.0ppm	2H21611-CAL6	008F0801.D	07/31/12 18:24

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2H21611	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2H21611-CAL1	003F0301.D	07/31/12 15:05
Cal Standard	2H21611-CAL2	004F0401.D	07/31/12 15:45
Cal Standard	2H21611-CAL3	005F0501.D	07/31/12 16:25
Cal Standard	2H21611-CAL4	006F0601.D	07/31/12 17:05
Cal Standard	2H21611-CAL5	007F0701.D	07/31/12 17:44
Cal Standard	2H21611-CAL6	008F0801.D	07/31/12 18:24
Initial Cal Check	2H21611-ICV1	003F0301.D	08/02/12 14:13

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29809	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29809-CCV1	003F0301.D	10/18/12 19:11
Calibration Check	2J29809-CCV2	014F1401.D	10/19/12 02:12
Blank	2J18024-BLK1	015F1501.D	10/19/12 02:51
LCS	2J18024-BS1	016F1601.D	10/19/12 03:30
LCS Dup	2J18024-BSD1	017F1701.D	10/19/12 04:08
GW0808	1210178-03	030F3001.D	10/19/12 12:27
GW0809	1210178-05	031F3101.D	10/19/12 13:05
Calibration Check	2J29809-CCV3	032F3201.D	10/19/12 13:45
GW0810	1210178-07	033F3301.D	10/19/12 14:25
GW0811	1210178-09	034F3401.D	10/19/12 15:05
GW0825	1210178-11	035F3501.D	10/19/12 15:45
GW0826	1210178-13	036F3601.D	10/19/12 16:25
GW0827	1210178-15	037F3701.D	10/19/12 17:05
GW0855	1210178-17	038F3801.D	10/19/12 17:45
GW0856	1210178-19	039F3901.D	10/19/12 18:25
GW0861	1210178-23	040F4001.D	10/19/12 19:05
GW0862	1210178-25	041F4101.D	10/19/12 19:44
GW0863	1210178-27	042F4201.D	10/19/12 20:24
Calibration Check	2J29809-CCV4	043F4301.D	10/19/12 21:03

ANALYSIS SEQUENCE SUMMARY

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29814	Instrument:	GL-GCVOA2
Calibration:	2216001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2J29814-CCV1	003F0301.D	10/22/12 20:50
Blank	2J22023-BLK1	004F0401.D	10/22/12 21:28
LCS	2J22023-BS1	005F0501.D	10/22/12 22:07
LCS Dup	2J22023-BSD1	006F0601.D	10/22/12 22:45
GW0754	1210178-01	007F0701.D	10/22/12 23:23
GW0754	2J22023-MS1	008F0801.D	10/23/12 00:01
GW0754	2J22023-MSD1	009F0901.D	10/23/12 00:39
GW0857	1210178-21	010F1001.D	10/23/12 01:17
GW0774	1210200-01	011F1101.D	10/23/12 01:55
GW0789	1210200-03	012F1201.D	10/23/12 02:33
GW0790	1210200-05	013F1301.D	10/23/12 03:12
GW0791	1210200-07	014F1401.D	10/23/12 03:50
GW0799	1210200-09	015F1501.D	10/23/12 04:28
GW0800	1210200-11	016F1601.D	10/23/12 05:06
GW0801	1210200-13	017F1701.D	10/23/12 05:44
GW0854	1210200-15	018F1801.D	10/23/12 06:22
Calibration Check	2J29814-CCV2	019F1901.D	10/23/12 07:01
GW0864	1210200-17	020F2001.D	10/23/12 07:39
GW0865	1210200-19	021F2101.D	10/23/12 08:17
GW0866	1210200-21	022F2201.D	10/23/12 08:55
GW0867	1210200-23	023F2301.D	10/23/12 09:34
Calibration Check	2J29814-CCV3	024F2401.D	10/23/12 10:13

INITIAL CALIBRATION DATA

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/31/12_15:05	7/31/12_18:24

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF	ug/mL	RF
Gasoline Range Organics (C6-C10	0.1	2233630	0.2	1477410	0.5	1120412	1	946984	2	1011274	5	961363.4
Bromofluorobenzene	0.01	1563200	0.02	941550	0.05	566820	0.1	481890	0.2	490520	0.5	412342

INITIAL CALIBRATION DATA (Continued)

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066	
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011	
Calibration:	2216001	Instrument:	GL-GCVOA2	
Matrix:	Water	Calibration Dates:	7/31/12 15:05	7/31/12 18:24

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Gasoline Range Organics (C6-C10)	1291846	38.82256	7.807	0.017641	0.9992676		0.995	
Bromofluorobenzene	742720.3	59.74288	20.3135	9.003825E-03	0.9969704		0.995	

INITIAL CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2H21611	Injection Date:	08/02/12
Lab Sample ID:	2H21611-ICV1	Injection Time:	14:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	ICV	ICAL	ICV	MIN (#)	ICV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4958	1291846	1119582		-0.8	20
Bromofluorobenzene	L	0.05000	0.04848	742720.3	607700		-3.0	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29809	Injection Date:	10/18/12
Lab Sample ID:	2J29809-CCV1	Injection Time:	19:11

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4796	1291846	1088980		-4.1	20
Bromofluorobenzene	L	0.05000	0.04334	742720.3	567080		-13.3	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	014F1401.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29809	Injection Date:	10/19/12
Lab Sample ID:	2J29809-CCV2	Injection Time:	02:12

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.5819	1291846	1282102		16.4	20
Bromofluorobenzene	L	0.05000	0.04723	742720.3	597820		-5.5	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	032F3201.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29809	Injection Date:	10/19/12
Lab Sample ID:	2J29809-CCV3	Injection Time:	13:45

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4244	1291846	984858		-15.1	20
Bromofluorobenzene	L	0.05000	0.04071	742720.3	546280		-18.6	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	043F4301.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29809	Injection Date:	10/19/12
Lab Sample ID:	2J29809-CCV4	Injection Time:	21:03

		CONC. (mg/L)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4417	1291846	1017552		-11.7	20
Bromofluorobenzene	L	0.05000	0.03791	742720.3	524100		-24.2	20 *

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	003F0301.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29814	Injection Date:	10/22/12
Lab Sample ID:	2J29814-CCV1	Injection Time:	20:50

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4974	1291846	1122664		-0.5	20
Bromofluorobenzene	L	0.05000	0.04388	742720.3	571380		-12.2	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	019F1901.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29814	Injection Date:	10/23/12
Lab Sample ID:	2J29814-CCV2	Injection Time:	07:01

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4353	1291846	1005470		-12.9	20
Bromofluorobenzene	L	0.05000	0.04573	742720.3	585940		-8.5	20

CONTINUING CALIBRATION CHECK

SW8015B GRO

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Instrument ID:	GL-GCVOA2	Calibration:	2216001
Lab File ID:	024F2401.D	Calibration Date:	07/31/12 15:05
Sequence:	2J29814	Injection Date:	10/23/12
Lab Sample ID:	2J29814-CCV3	Injection Time:	10:13

		CONC. (ug/mL)		RESPONSE FACTOR			% DIFF / DRIFT	
COMPOUND	TYPE	STD	CCV	ICAL	CCV	MIN (#)	CCV	LIMIT (#)
Gasoline Range Organics (C6-C10)	L	0.5000	0.4147	1291846	966570		-17.1	20
Bromofluorobenzene	L	0.05000	0.04494	742720.3	579720		-10.1	20

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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
GW0754	10/16/12 16:26	10/17/12 08:10	10/22/12 23:23	N/A	14.00	10/22/12 23:23	6.25	14.00	
GW0808	10/16/12 16:09	10/17/12 08:10	10/19/12 12:27	N/A	14.00	10/19/12 12:27	2.80	14.00	
GW0809	10/16/12 13:59	10/17/12 08:10	10/19/12 13:05	N/A	14.00	10/19/12 13:05	2.92	14.00	
GW0810	10/16/12 13:59	10/17/12 08:10	10/19/12 14:25	N/A	14.00	10/19/12 14:25	2.98	14.00	
GW0811	10/16/12 11:32	10/17/12 08:10	10/19/12 15:05	N/A	14.00	10/19/12 15:05	3.11	14.00	
GW0825	10/15/12 15:54	10/17/12 08:10	10/19/12 15:45	N/A	14.00	10/19/12 15:45	3.95	14.00	
GW0826	10/15/12 11:13	10/17/12 08:10	10/19/12 16:25	N/A	14.00	10/19/12 16:25	4.18	14.00	
GW0827	10/15/12 13:37	10/17/12 08:10	10/19/12 17:05	N/A	14.00	10/19/12 17:05	4.10	14.00	
GW0855	10/16/12 14:01	10/17/12 08:10	10/19/12 17:45	N/A	14.00	10/19/12 17:45	3.11	14.00	
GW0856	10/16/12 14:01	10/17/12 08:10	10/19/12 18:25	N/A	14.00	10/19/12 18:25	3.14	14.00	
GW0857	10/16/12 11:28	10/17/12 08:10	10/23/12 01:17	N/A	14.00	10/23/12 01:17	6.53	14.00	
GW0861	10/15/12 16:23	10/17/12 08:10	10/19/12 19:05	N/A	14.00	10/19/12 19:05	4.07	14.00	
GW0862	10/15/12 13:40	10/17/12 08:10	10/19/12 19:44	N/A	14.00	10/19/12 19:44	4.21	14.00	
GW0863	10/15/12 11:03	10/17/12 08:10	10/19/12 20:24	N/A	14.00	10/19/12 20:24	4.35	14.00	
GW0774	10/18/12 15:43	10/19/12 17:15	10/23/12 01:55	N/A	14.00	10/23/12 01:55	4.38	14.00	
GW0789	10/18/12 15:34	10/19/12 17:15	10/23/12 02:33	N/A	14.00	10/23/12 02:33	4.42	14.00	
GW0790	10/18/12 13:33	10/19/12 17:15	10/23/12 03:12	N/A	14.00	10/23/12 03:12	4.53	14.00	
GW0791	10/18/12 11:09	10/19/12 17:15	10/23/12 03:50	N/A	14.00	10/23/12 03:50	4.65	14.00	
GW0799	10/17/12 16:07	10/19/12 17:15	10/23/12 04:28	N/A	14.00	10/23/12 04:28	5.47	14.00	
GW0800	10/17/12 13:35	10/19/12 17:15	10/23/12 05:06	N/A	14.00	10/23/12 05:06	5.60	14.00	
GW0801	10/17/12 11:06	10/19/12 17:15	10/23/12 05:44	N/A	14.00	10/23/12 05:44	5.73	14.00	
GW0854	10/18/12 12:49	10/19/12 17:15	10/23/12 06:22	N/A	14.00	10/23/12 06:22	4.69	14.00	
GW0864	10/17/12 16:11	10/19/12 17:15	10/23/12 07:39	N/A	14.00	10/23/12 07:39	5.60	14.00	
GW0865	10/17/12 13:23	10/19/12 17:15	10/23/12 08:17	N/A	14.00	10/23/12 08:17	5.75	14.00	

HOLDING TIME SUMMARY

SW8015B GRO

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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
GW0866	10/17/12 13:23	10/19/12 17:15	10/23/12 08:55	N/A	14.00	10/23/12 08:55	5.77	14.00	
GW0867	10/17/12 10:41	10/19/12 17:15	10/23/12 09:34	N/A	14.00	10/23/12 09:34	5.91	14.00	

Data for SW6010B Forms

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-02 [GW0754]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-04 [GW0808]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-06 [GW0809]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-08 [GW0810]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-10 [GW0811]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-12 [GW0825]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-14 [GW0826]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-16 [GW0827]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-18 [GW0855]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-20 [GW0856]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-22 [GW0857]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-24 [GW0861]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-26 [GW0862]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12
1210178-28 [GW0863]	2J24014	50.00/50.00	50.0	50.0	1.00		10/24/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-02 [GW0774]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-04 [GW0789]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-06 [GW0790]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-08 [GW0791]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-10 [GW0799]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-12 [GW0800]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-14 [GW0801]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-16 [GW0854]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-18 [GW0864]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-20 [GW0865]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-22 [GW0866]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12
1210200-24 [GW0867]	2J24015	50.00/50.00	50.0	50.0	1.00		10/24/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2J30419	50.00/50.00	50.0	50.0	1.00		10/30/12
1210178-03 [GW0808]	2J30419	50.00/50.00	50.0	50.0	1.00		10/30/12
1210178-05 [GW0809]	2J30419	50.00/50.00	50.0	50.0	1.00		10/30/12
1210178-07 [GW0810]	2J30419	50.00/50.00	50.0	50.0	1.00		10/30/12
1210178-09 [GW0811]	2J30419	50.00/50.00	50.0	50.0	1.00		10/30/12
1210178-11 [GW0825]	2J30419	50.00/50.00	50.0	50.0	1.00		10/30/12
1210178-13 [GW0826]	2J30419	50.00/50.00	50.0	50.0	1.00		10/30/12
1210178-15 [GW0827]	2J30419	50.00/50.00	50.0	50.0	1.00		10/30/12
1210178-17 [GW0855]	2J30419	50.00/50.00	50.0	50.0	1.00		10/30/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-19 [GW0856]	2J31012	50.00/50.00	50.0	50.0	1.00		10/31/12
1210178-21 [GW0857]	2J31012	50.00/50.00	50.0	50.0	1.00		10/31/12
1210178-23 [GW0861]	2J31012	50.00/50.00	50.0	50.0	1.00		10/31/12
1210178-25 [GW0862]	2J31012	50.00/50.00	50.0	50.0	1.00		10/31/12
1210178-27 [GW0863]	2J31012	50.00/50.00	50.0	50.0	1.00		10/31/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-01 [GW0774]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12
1210200-03 [GW0789]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12
1210200-05 [GW0790]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12
1210200-07 [GW0791]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12
1210200-09 [GW0799]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12
1210200-11 [GW0800]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12
1210200-13 [GW0801]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12
1210200-15 [GW0854]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12
1210200-17 [GW0864]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12
1210200-19 [GW0865]	2K02011	50.00/50.00	50.0	50.0	1.00		11/02/12

Sample Extraction Data

Prep Method: MET_3005A-SW6010B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-21 [GW0866]	2K06007	50.00/50.00	50.0	50.0	1.00		11/06/12
1210200-23 [GW0867]	2K06007	50.00/50.00	50.0	50.0	1.00		11/06/12

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-01
Sampled:	10/16/12 16:26	Received:	10/17/12 08:10
% 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	2J30419	10/31/12 13:02
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 13:02
7439-95-4	Magnesium	**7600**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:02
7440-09-7	Potassium	**2570**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 13:02
7440-23-5	Sodium	**26200**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:02

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-02
Sampled:	10/16/12 16:26	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**415**	30.0	60.0	100	1		SW6010B	2J24014	10/24/12 14:07
7439-96-5	Manganese (dissolved)	**236**	3.00	6.00	15.0	1	E	SW6010B	2J24014	10/24/12 14:07

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-03
Sampled:	10/16/12 16:09	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**38800**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 13:25
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 13:25
7439-95-4	Magnesium	**5050**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:25
7440-09-7	Potassium	**2120**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 13:25
7440-23-5	Sodium	**25300**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:25

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-04
Sampled:	10/16/12 16:09	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 14:26
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 14:26

ANALYSIS DATA SHEET

GW0809

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-05
Sampled:	10/16/12 13:59	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**41500**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 13:42
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 13:42
7439-95-4	Magnesium	**5280**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:42
7440-09-7	Potassium	**2220**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 13:42
7440-23-5	Sodium	**25800**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:42

ANALYSIS DATA SHEET

GW0809

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-06
Sampled:	10/16/12 13:59	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 14:30
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 14:30

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-07
Sampled:	10/16/12 13:59	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**41300**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 13:47
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 13:47
7439-95-4	Magnesium	**5240**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:47
7440-09-7	Potassium	**2220**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 13:47
7440-23-5	Sodium	**25800**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:47

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-08
Sampled:	10/16/12 13:59	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 14:35
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 14:35

ANALYSIS DATA SHEET

GW0811

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-09
Sampled:	10/16/12 11:32	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**36500**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 13:51
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 13:51
7439-95-4	Magnesium	**4720**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 13:51
7440-09-7	Potassium	**2110**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 13:51
7440-23-5	Sodium	**24000**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:51

ANALYSIS DATA SHEET

GW0811

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-10
Sampled:	10/16/12 11:32	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 14:39
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 14:39

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-11
Sampled:	10/15/12 15:54	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**56700**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 13:55
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 13:55
7439-95-4	Magnesium	**7390**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:55
7440-09-7	Potassium	**2830**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 13:55
7440-23-5	Sodium	**27900**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:55

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-12
Sampled:	10/15/12 15:54	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 14:44
7439-96-5	Manganese (dissolved)	**162**	3.00	6.00	15.0	1	E	SW6010B	2J24014	10/24/12 14:44

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-13
Sampled:	10/15/12 11:13	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**36600**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 14:00
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 14:00
7439-95-4	Magnesium	**4710**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 14:00
7440-09-7	Potassium	**2130**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 14:00
7440-23-5	Sodium	**23000**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 14:00

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-14
Sampled:	10/15/12 11:13	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 14:48
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 14:48

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-15
Sampled:	10/15/12 13:37	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**52800**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 14:04
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 14:04
7439-95-4	Magnesium	**6600**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 14:04
7440-09-7	Potassium	**2590**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 14:04
7440-23-5	Sodium	**27200**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 14:04

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-16
Sampled:	10/15/12 13:37	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**89.1**	30.0	60.0	100	1	J	SW6010B	2J24014	10/24/12 14:53
7439-96-5	Manganese (dissolved)	**83.6**	3.00	6.00	15.0	1	E	SW6010B	2J24014	10/24/12 14:53

ANALYSIS DATA SHEET

GW0855

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/16/12 14:01
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 1210178-17
Received: 10/17/12 08:10

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**37000**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 14:09
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 14:09
7439-95-4	Magnesium	**4990**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 14:09
7440-09-7	Potassium	**2150**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 14:09
7440-23-5	Sodium	**22500**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 14:09

ANALYSIS DATA SHEET

GW0855

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-18
Sampled:	10/16/12 14:01	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 14:57
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 14:57

ANALYSIS DATA SHEET

GW0856

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/16/12 14:01
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 1210178-19
Received: 10/17/12 08:10

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**37300**	1000	2000	5000	1		SW6010B	2J31012	11/01/12 14:51
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J31012	11/01/12 14:51
7439-95-4	Magnesium	**5210**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 14:51
7440-09-7	Potassium	**2200**	1000	3000	5000	1	J	SW6010B	2J31012	11/01/12 14:51
7440-23-5	Sodium	**22000**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 14:51

ANALYSIS DATA SHEET

GW0856

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/16/12 14:01
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 1210178-20
Received: 10/17/12 08:10

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	2J24014	10/24/12 15:01
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 15:01

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-21
Sampled:	10/16/12 11:28	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**33600**	1000	2000	5000	1		SW6010B	2J31012	11/01/12 14:56
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J31012	11/01/12 14:56
7439-95-4	Magnesium	**4480**	1000	3000	5000	1	J	SW6010B	2J31012	11/01/12 14:56
7440-09-7	Potassium	**2060**	1000	3000	5000	1	J	SW6010B	2J31012	11/01/12 14:56
7440-23-5	Sodium	**20900**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 14:56

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-22
Sampled:	10/16/12 11:28	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 15:19
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 15:19

ANALYSIS DATA SHEET

GW0861

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/15/12 16:23
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 1210178-23
Received: 10/17/12 08:10

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**110000**	1000	2000	5000	1		SW6010B	2J31012	11/01/12 15:00
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J31012	11/01/12 15:00
7439-95-4	Magnesium	**15300**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 15:00
7440-09-7	Potassium	**3860**	1000	3000	5000	1	J	SW6010B	2J31012	11/01/12 15:00
7440-23-5	Sodium	**46200**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 15:00

ANALYSIS DATA SHEET

GW0861

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-24
Sampled:	10/15/12 16:23	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 15:23
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 15:23

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-25
Sampled:	10/15/12 13:40	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**99300**	1000	2000	5000	1		SW6010B	2J31012	11/01/12 15:05
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J31012	11/01/12 15:05
7439-95-4	Magnesium	**14300**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 15:05
7440-09-7	Potassium	**3710**	1000	3000	5000	1	J	SW6010B	2J31012	11/01/12 15:05
7440-23-5	Sodium	**42500**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 15:05

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-26
Sampled:	10/15/12 13:40	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 15:28
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 15:28

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-27
Sampled:	10/15/12 11:03	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**33300**	1000	2000	5000	1		SW6010B	2J31012	11/01/12 15:09
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2J31012	11/01/12 15:09
7439-95-4	Magnesium	**4800**	1000	3000	5000	1	J	SW6010B	2J31012	11/01/12 15:09
7440-09-7	Potassium	**2470**	1000	3000	5000	1	J	SW6010B	2J31012	11/01/12 15:09
7440-23-5	Sodium	**23100**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 15:09

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-28
Sampled:	10/15/12 11:03	Received:	10/17/12 08:10
% 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	2J24014	10/24/12 15:32
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U E	SW6010B	2J24014	10/24/12 15:32

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-01
Sampled:	10/18/12 15:43	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**48600**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 14:03
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:03
7439-95-4	Magnesium	**6350**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:03
7440-09-7	Potassium	**2450**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:03
7440-23-5	Sodium	**25500**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:03

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-02
Sampled:	10/18/12 15:43	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2J24015	10/24/12 16:12
7439-96-5	Manganese (dissolved)	**190**	3.00	6.00	15.0	1		SW6010B	2J24015	10/24/12 16:12

ANALYSIS DATA SHEET

GW0789

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/18/12 15:34
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 1210200-03
Received: 10/19/12 17:15

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**38600**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 14:08
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:08
7439-95-4	Magnesium	**5050**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:08
7440-09-7	Potassium	**2120**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:08
7440-23-5	Sodium	**24200**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:08

ANALYSIS DATA SHEET

GW0789

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-04
Sampled:	10/18/12 15:34	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2J24015	10/24/12 16:17
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J24015	10/24/12 16:17

ANALYSIS DATA SHEET

GW0790

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-05
Sampled:	10/18/12 13:33	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**36300**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 14:12
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:12
7439-95-4	Magnesium	**4640**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:12
7440-09-7	Potassium	**2120**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:12
7440-23-5	Sodium	**23500**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:12

ANALYSIS DATA SHEET

GW0790

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-06
Sampled:	10/18/12 13:33	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2J24015	10/24/12 16:21
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J24015	10/24/12 16:21

ANALYSIS DATA SHEET

GW0791

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-07
Sampled:	10/18/12 11:09	Received:	10/19/12 17:15
% 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	2K02011	11/05/12 14:17
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:17
7439-95-4	Magnesium	**4510**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:17
7440-09-7	Potassium	**2100**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:17
7440-23-5	Sodium	**22900**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:17

ANALYSIS DATA SHEET

GW0791

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/18/12 11:09
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 1210200-08
Received: 10/19/12 17:15

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	2J24015	10/24/12 16:26
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J24015	10/24/12 16:26

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-09
Sampled:	10/17/12 16:07	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**59000**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 14:21
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:21
7439-95-4	Magnesium	**7900**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:21
7440-09-7	Potassium	**2560**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:21
7440-23-5	Sodium	**29000**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:21

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-10
Sampled:	10/17/12 16:07	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2J24015	10/24/12 16:30
7439-96-5	Manganese (dissolved)	**32.2**	3.00	6.00	15.0	1		SW6010B	2J24015	10/24/12 16:30

ANALYSIS DATA SHEET

GW0800

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-11
Sampled:	10/17/12 13:35	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**37800**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 14:26
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:26
7439-95-4	Magnesium	**4690**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:26
7440-09-7	Potassium	**2090**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:26
7440-23-5	Sodium	**22100**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:26

ANALYSIS DATA SHEET

GW0800

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-12
Sampled:	10/17/12 13:35	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2J24015	10/24/12 16:35
7439-96-5	Manganese (dissolved)	**11.1**	3.00	6.00	15.0	1	J	SW6010B	2J24015	10/24/12 16:35

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-13
Sampled:	10/17/12 11:06	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**34700**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 14:30
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:30
7439-95-4	Magnesium	**4480**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:30
7440-09-7	Potassium	**1950**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:30
7440-23-5	Sodium	**21600**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:30

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-14
Sampled:	10/17/12 11:06	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2J24015	10/24/12 16:39
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J24015	10/24/12 16:39

ANALYSIS DATA SHEET

GW0854

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-15
Sampled:	10/18/12 12:49	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**45000**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 14:35
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:35
7439-95-4	Magnesium	**6290**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:35
7440-09-7	Potassium	**2300**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:35
7440-23-5	Sodium	**24000**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:35

ANALYSIS DATA SHEET

GW0854

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-16
Sampled:	10/18/12 12:49	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2J24015	10/24/12 16:56
7439-96-5	Manganese (dissolved)	**9.35**	3.00	6.00	15.0	1	J	SW6010B	2J24015	10/24/12 16:56

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-17
Sampled:	10/17/12 16:11	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**34900**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 14:39
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:39
7439-95-4	Magnesium	**4410**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:39
7440-09-7	Potassium	**2040**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:39
7440-23-5	Sodium	**25400**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:39

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-18
Sampled:	10/17/12 16:11	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)		30.0	60.0	100	1	U	SW6010B	2J24015	10/24/12 17:01
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J24015	10/24/12 17:01

ANALYSIS DATA SHEET

GW0865

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-19
Sampled:	10/17/12 13:23	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**35200**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 14:44
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 14:44
7439-95-4	Magnesium	**4400**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:44
7440-09-7	Potassium	**2000**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 14:44
7440-23-5	Sodium	**24700**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 14:44

ANALYSIS DATA SHEET

GW0865

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/17/12 13:23
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 1210200-20
Received: 10/19/12 17:15

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	2J24015	10/24/12 17:05
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J24015	10/24/12 17:05

ANALYSIS DATA SHEET

GW0866

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-21
Sampled:	10/17/12 13:23	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**36500**	1000	2000	5000	1		SW6010B	2K06007	11/07/12 12:35
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K06007	11/07/12 12:35
7439-95-4	Magnesium	**4970**	1000	3000	5000	1	J	SW6010B	2K06007	11/07/12 12:35
7440-09-7	Potassium	**2110**	1000	3000	5000	1	J	SW6010B	2K06007	11/07/12 12:35
7440-23-5	Sodium	**27500**	1000	3000	5000	1		SW6010B	2K06007	11/07/12 12:35

ANALYSIS DATA SHEET

GW0866

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/17/12 13:23
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 1210200-22
Received: 10/19/12 17:15

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	2J24015	10/24/12 17:10
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J24015	10/24/12 17:10

ANALYSIS DATA SHEET

GW0867

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-23
Sampled:	10/17/12 10:41	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**35800**	1000	2000	5000	1		SW6010B	2K06007	11/07/12 12:40
7439-92-1	Lead		1.50	3.00	3.00	1	U	SW6010B	2K06007	11/07/12 12:40
7439-95-4	Magnesium	**4920**	1000	3000	5000	1	J	SW6010B	2K06007	11/07/12 12:40
7440-09-7	Potassium	**2120**	1000	3000	5000	1	J	SW6010B	2K06007	11/07/12 12:40
7440-23-5	Sodium	**26700**	1000	3000	5000	1		SW6010B	2K06007	11/07/12 12:40

ANALYSIS DATA SHEET

GW0867

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sampled: 10/17/12 10:41
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 1210200-24
Received: 10/19/12 17:15

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	2J24015	10/24/12 17:14
7439-96-5	Manganese (dissolved)		3.00	6.00	15.0	1	U	SW6010B	2J24015	10/24/12 17:14

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24014-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	30.0	60.0	100	1	U	SW6010B	2J24014	10/24/12 13:56
7439-96-5	Manganese (dissolved)	ND	3.00	6.00	15.0	1	U	SW6010B	2J24014	10/24/12 13:56

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24014-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1000**	30.0	60.0	100	1		SW6010B	2J24014	10/24/12 14:01
7439-96-5	Manganese (dissolved)	**490.6**	3.00	6.00	15.0	1		SW6010B	2J24014	10/24/12 14:01

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24014-DUP1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**472.6**	150	300	500	5	J D	SW6010B	2J24014	10/24/12 14:21
7439-96-5	Manganese (dissolved)	**265.2**	15.0	30.0	75.0	5	D	SW6010B	2J24014	10/24/12 14:21

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J24014-MS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1388**	30.0	60.0	100	1		SW6010B	2J24014	10/24/12 14:12
7439-96-5	Manganese (dissolved)	**733.4**	3.00	6.00	15.0	1		SW6010B	2J24014	10/24/12 14:12

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24014-MSD1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1398**	30.0	60.0	100	1		SW6010B	2J24014	10/24/12 14:16
7439-96-5	Manganese (dissolved)	**728.7**	3.00	6.00	15.0	1		SW6010B	2J24014	10/24/12 14:16

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24015-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	30.0	60.0	100	1	U	SW6010B	2J24015	10/24/12 15:52
7439-96-5	Manganese (dissolved)	ND	3.00	6.00	15.0	1	U	SW6010B	2J24015	10/24/12 15:52

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24015-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1070**	30.0	60.0	100	1		SW6010B	2J24015	10/24/12 15:57
7439-96-5	Manganese (dissolved)	**560.9**	3.00	6.00	15.0	1		SW6010B	2J24015	10/24/12 15:57

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24015-DUP1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	ND	150	300	500	5	U	SW6010B	2J24015	10/24/12 17:28
7439-96-5	Manganese (dissolved)	ND	15.0	30.0	75.0	5	U	SW6010B	2J24015	10/24/12 17:28

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J24015-MS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1012**	30.0	60.0	100	1		SW6010B	2J24015	10/24/12 17:19
7439-96-5	Manganese (dissolved)	**499.7**	3.00	6.00	15.0	1		SW6010B	2J24015	10/24/12 17:19

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24015-MSD1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7439-89-6	Iron (dissolved)	**1059**	30.0	60.0	100	1		SW6010B	2J24015	10/24/12 17:23
7439-96-5	Manganese (dissolved)	**499.2**	3.00	6.00	15.0	1		SW6010B	2J24015	10/24/12 17:23

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2J30419-BLK1
% Solids:

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	ND	1000	2000	5000	1	U	SW6010B	2J30419	10/31/12 12:20
7439-92-1	Lead	ND	1.50	3.00	3.00	1	U	SW6010B	2J30419	10/31/12 12:20
7439-95-4	Magnesium	ND	1000	3000	5000	1	U	SW6010B	2J30419	10/31/12 12:20
7440-09-7	Potassium	ND	1000	3000	5000	1	U	SW6010B	2J30419	10/31/12 12:20
7440-23-5	Sodium	ND	1000	3000	5000	1	U	SW6010B	2J30419	10/31/12 12:20

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J30419-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**4840**	1000	2000	5000	1	J	SW6010B	2J30419	10/31/12 12:24
7439-92-1	Lead	**242.7**	1.50	3.00	3.00	1		SW6010B	2J30419	10/31/12 12:24
7439-95-4	Magnesium	**4592**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 12:24
7440-09-7	Potassium	**4676**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 12:24
7440-23-5	Sodium	**4996**	1000	3000	5000	1	J	SW6010B	2J30419	10/31/12 12:24

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2J30419-DUP1
% Solids: 0.00

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**53390**	5000	10000	25000	5	D	SW6010B	2J30419	10/31/12 13:21
7439-92-1	Lead	ND	7.50	15.0	15.0	5	U	SW6010B	2J30419	10/31/12 13:21
7439-95-4	Magnesium	**7734**	5000	15000	25000	5	J D	SW6010B	2J30419	10/31/12 13:21
7440-09-7	Potassium	ND	5000	15000	25000	5	U	SW6010B	2J30419	10/31/12 13:21
7440-23-5	Sodium	**26830**	5000	15000	25000	5	D	SW6010B	2J30419	10/31/12 13:21

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J30419-MS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**59680**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 13:07
7439-92-1	Lead	**250.3**	1.50	3.00	3.00	1		SW6010B	2J30419	10/31/12 13:07
7439-95-4	Magnesium	**12340**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:07
7440-09-7	Potassium	**7514**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:07
7440-23-5	Sodium	**32390**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:07

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J30419-MSD1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**57550**	1000	2000	5000	1		SW6010B	2J30419	10/31/12 13:11
7439-92-1	Lead	**259.9**	1.50	3.00	3.00	1		SW6010B	2J30419	10/31/12 13:11
7439-95-4	Magnesium	**12100**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:11
7440-09-7	Potassium	**7383**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:11
7440-23-5	Sodium	**31640**	1000	3000	5000	1		SW6010B	2J30419	10/31/12 13:11

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31012-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	ND	1000	2000	5000	1	U	SW6010B	2J31012	11/01/12 14:40
7439-92-1	Lead	ND	1.50	3.00	3.00	1	U	SW6010B	2J31012	11/01/12 14:40
7439-95-4	Magnesium	ND	1000	3000	5000	1	U	SW6010B	2J31012	11/01/12 14:40
7440-09-7	Potassium	ND	1000	3000	5000	1	U	SW6010B	2J31012	11/01/12 14:40
7440-23-5	Sodium	ND	1000	3000	5000	1	U	SW6010B	2J31012	11/01/12 14:40

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31012-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**5147**	1000	2000	5000	1		SW6010B	2J31012	11/01/12 14:45
7439-92-1	Lead	**247.2**	1.50	3.00	3.00	1		SW6010B	2J31012	11/01/12 14:45
7439-95-4	Magnesium	**5004**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 14:45
7440-09-7	Potassium	**4953**	1000	3000	5000	1	J	SW6010B	2J31012	11/01/12 14:45
7440-23-5	Sodium	**5123**	1000	3000	5000	1		SW6010B	2J31012	11/01/12 14:45

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K02011-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	ND	1000	2000	5000	1	U	SW6010B	2K02011	11/05/12 12:36
7439-92-1	Lead	ND	1.50	3.00	3.00	1	U	SW6010B	2K02011	11/05/12 12:36
7439-95-4	Magnesium	ND	1000	3000	5000	1	U	SW6010B	2K02011	11/05/12 12:36
7440-09-7	Potassium	ND	1000	3000	5000	1	U	SW6010B	2K02011	11/05/12 12:36
7440-23-5	Sodium	ND	1000	3000	5000	1	U	SW6010B	2K02011	11/05/12 12:36

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K02011-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**5086**	1000	2000	5000	1		SW6010B	2K02011	11/05/12 12:40
7439-92-1	Lead	**242.5**	1.50	3.00	3.00	1		SW6010B	2K02011	11/05/12 12:40
7439-95-4	Magnesium	**4963**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 12:40
7440-09-7	Potassium	**4857**	1000	3000	5000	1	J	SW6010B	2K02011	11/05/12 12:40
7440-23-5	Sodium	**5013**	1000	3000	5000	1		SW6010B	2K02011	11/05/12 12:40

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K06007-BLK1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	ND	1000	2000	5000	1	U	SW6010B	2K06007	11/07/12 12:24
7439-92-1	Lead	ND	1.50	3.00	3.00	1	U	SW6010B	2K06007	11/07/12 12:24
7439-95-4	Magnesium	ND	1000	3000	5000	1	U	SW6010B	2K06007	11/07/12 12:24
7440-09-7	Potassium	ND	1000	3000	5000	1	U	SW6010B	2K06007	11/07/12 12:24
7440-23-5	Sodium	ND	1000	3000	5000	1	U	SW6010B	2K06007	11/07/12 12:24

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K06007-BS1

CAS NO.	Analyte	Conc. (ug/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7440-70-2	Calcium	**5437**	1000	2000	5000	1		SW6010B	2K06007	11/07/12 12:29
7439-92-1	Lead	**241.8**	1.50	3.00	3.00	1		SW6010B	2K06007	11/07/12 12:29
7439-95-4	Magnesium	**5475**	1000	3000	5000	1		SW6010B	2K06007	11/07/12 12:29
7440-09-7	Potassium	**5107**	1000	3000	5000	1		SW6010B	2K06007	11/07/12 12:29
7440-23-5	Sodium	**5477**	1000	3000	5000	1		SW6010B	2K06007	11/07/12 12:29

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2298003
Sequence: 2J29813

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J29813-ICV1	Iron (dissolved)	10000	9896	99.0	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	992.2	99.2	ug/L	+/- 10.00%
2J29813-CCV1	Iron (dissolved)	10000	9767	97.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	991.2	99.1	ug/L	+/- 10.00%
2J29813-CCV3	Iron (dissolved)	10000	9782	97.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1000	100	ug/L	+/- 10.00%
2J29813-CCV4	Iron (dissolved)	10000	9977	99.8	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1016	102	ug/L	+/- 10.00%
2J29813-CCV5	Iron (dissolved)	10000	10060	101	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1021	102	ug/L	+/- 10.00%
2J29813-CCV6	Iron (dissolved)	10000	9670	96.7	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	990.6	99.1	ug/L	+/- 10.00%
2J29813-CCV7	Iron (dissolved)	10000	10280	103	ug/L	+/- 10.00%
	Manganese (dissolved)	1000	1054	105	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2306002
Sequence: 2K30606

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K30606-ICV1	Calcium	50000	51940	104	ug/L	+/- 10.00%
	Lead	1000	958.6	95.9	ug/L	+/- 10.00%
	Magnesium	50000	51480	103	ug/L	+/- 10.00%
	Potassium	10000	10080	101	ug/L	+/- 10.00%
	Sodium	50000	49560	99.1	ug/L	+/- 10.00%
2K30606-CCV1	Calcium	50000	53010	106	ug/L	+/- 10.00%
	Lead	1000	979.0	97.9	ug/L	+/- 10.00%
	Magnesium	50000	49360	98.7	ug/L	+/- 10.00%
	Potassium	10000	10000	100	ug/L	+/- 10.00%
	Sodium	50000	53660	107	ug/L	+/- 10.00%
2K30606-CCV2	Calcium	50000	49110	98.2	ug/L	+/- 10.00%
	Lead	1000	972.6	97.3	ug/L	+/- 10.00%
	Magnesium	50000	46330	92.7	ug/L	+/- 10.00%
	Potassium	10000	9601	96.0	ug/L	+/- 10.00%
	Sodium	50000	52120	104	ug/L	+/- 10.00%
2K30606-CCV3	Calcium	50000	47710	95.4	ug/L	+/- 10.00%
	Lead	1000	970.1	97.0	ug/L	+/- 10.00%
	Magnesium	50000	45240	90.5	ug/L	+/- 10.00%
	Potassium	10000	9458	94.6	ug/L	+/- 10.00%
	Sodium	50000	51000	102	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2306004
Sequence: 2K30612

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K30612-ICV1	Calcium	50000	51860	104	ug/L	+/- 10.00%
	Lead	1000	948.9	94.9	ug/L	+/- 10.00%
	Magnesium	50000	51590	103	ug/L	+/- 10.00%
	Potassium	10000	10040	100	ug/L	+/- 10.00%
	Sodium	50000	52050	104	ug/L	+/- 10.00%
2K30612-CCV1	Calcium	50000	51460	103	ug/L	+/- 10.00%
	Lead	1000	959.7	96.0	ug/L	+/- 10.00%
	Magnesium	50000	52290	105	ug/L	+/- 10.00%
	Potassium	10000	10050	100	ug/L	+/- 10.00%
	Sodium	50000	51880	104	ug/L	+/- 10.00%
2K30612-CCV3	Calcium	50000	50650	101	ug/L	+/- 10.00%
	Lead	1000	952.3	95.2	ug/L	+/- 10.00%
	Magnesium	50000	48570	97.1	ug/L	+/- 10.00%
	Potassium	10000	9805	98.0	ug/L	+/- 10.00%
	Sodium	50000	51280	103	ug/L	+/- 10.00%
2K30612-CCV4	Calcium	50000	47980	96.0	ug/L	+/- 10.00%
	Lead	1000	951.3	95.1	ug/L	+/- 10.00%
	Magnesium	50000	46140	92.3	ug/L	+/- 10.00%
	Potassium	10000	9438	94.4	ug/L	+/- 10.00%
	Sodium	50000	48620	97.2	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_066
Project: Kirtland AFB 2011
Calibration: 2310003
Sequence: 2K31013

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K31013-ICV1	Calcium	50000	51270	103	ug/L	+/- 10.00%
	Lead	1000	969.1	96.9	ug/L	+/- 10.00%
	Magnesium	50000	51150	102	ug/L	+/- 10.00%
	Potassium	10000	10030	100	ug/L	+/- 10.00%
	Sodium	50000	52230	104	ug/L	+/- 10.00%
2K31013-CCV1	Calcium	50000	51840	104	ug/L	+/- 10.00%
	Lead	1000	980.8	98.1	ug/L	+/- 10.00%
	Magnesium	50000	51750	103	ug/L	+/- 10.00%
	Potassium	10000	10240	102	ug/L	+/- 10.00%
	Sodium	50000	53200	106	ug/L	+/- 10.00%
2K31013-CCV2	Calcium	50000	50930	102	ug/L	+/- 10.00%
	Lead	1000	978.5	97.8	ug/L	+/- 10.00%
	Magnesium	50000	49540	99.1	ug/L	+/- 10.00%
	Potassium	10000	10050	100	ug/L	+/- 10.00%
	Sodium	50000	51580	103	ug/L	+/- 10.00%
2K31013-CCV3	Calcium	50000	50830	102	ug/L	+/- 10.00%
	Lead	1000	973.4	97.3	ug/L	+/- 10.00%
	Magnesium	50000	47210	94.4	ug/L	+/- 10.00%
	Potassium	10000	9861	98.6	ug/L	+/- 10.00%
	Sodium	50000	49130	98.3	ug/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SW6010B

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: ME-ICP

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2312006
Sequence: 2K31216

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K31216-ICV1	Calcium	50000	52520	105	ug/L	+/- 10.00%
	Lead	1000	959.8	96.0	ug/L	+/- 10.00%
	Magnesium	50000	51110	102	ug/L	+/- 10.00%
	Potassium	10000	9945	99.4	ug/L	+/- 10.00%
	Sodium	50000	51550	103	ug/L	+/- 10.00%
2K31216-CCV1	Calcium	50000	52250	104	ug/L	+/- 10.00%
	Lead	1000	967.6	96.8	ug/L	+/- 10.00%
	Magnesium	50000	51660	103	ug/L	+/- 10.00%
	Potassium	10000	9989	99.9	ug/L	+/- 10.00%
	Sodium	50000	52300	105	ug/L	+/- 10.00%
2K31216-CCV2	Calcium	50000	51510	103	ug/L	+/- 10.00%
	Lead	1000	961.1	96.1	ug/L	+/- 10.00%
	Magnesium	50000	52000	104	ug/L	+/- 10.00%
	Potassium	10000	9949	99.5	ug/L	+/- 10.00%
	Sodium	50000	52940	106	ug/L	+/- 10.00%
2K31216-CCV3	Calcium	50000	53820	108	ug/L	+/- 10.00%
	Lead	1000	962.6	96.3	ug/L	+/- 10.00%
	Magnesium	50000	52620	105	ug/L	+/- 10.00%
	Potassium	10000	10080	101	ug/L	+/- 10.00%
	Sodium	50000	52720	105	ug/L	+/- 10.00%

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2298003

Sequence: 2J29813

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2J29813-CRL1	Iron (dissolved)	60.00	63.28	105	ug/L	80 - 120
	Manganese (dissolved)	6.000	6.388	106	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2306002

Sequence: 2K30606

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2K30606-CRL1	Calcium	2000	2093	105	ug/L	80 - 120
	Lead	3.000	3.027	101	ug/L	80 - 120
	Magnesium	3000	3193	106	ug/L	80 - 120
	Potassium	3000	3060	102	ug/L	80 - 120
	Sodium	3000	2877	95.9	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2306004

Sequence: 2K30612

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2K30612-CRL1	Calcium	2000	2147	107	ug/L	80 - 120
	Lead	3.000	2.866	95.5	ug/L	80 - 120
	Magnesium	3000	3249	108	ug/L	80 - 120
	Potassium	3000	3109	104	ug/L	80 - 120
	Sodium	3000	3163	105	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2310003

Sequence: 2K31013

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2K31013-CRL1	Calcium	2000	1976	98.8	ug/L	80 - 120
	Lead	3.000	3.026	101	ug/L	80 - 120
	Magnesium	3000	2932	97.7	ug/L	80 - 120
	Potassium	3000	2852	95.1	ug/L	80 - 120
	Sodium	3000	2925	97.5	ug/L	80 - 120

CRDL STANDARD

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2312006

Sequence: 2K31216

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2K31216-CRL1	Calcium	2000	2012	101	ug/L	80 - 120
	Lead	3.000	2.473	82.4	ug/L	80 - 120
	Magnesium	3000	3005	100	ug/L	80 - 120
	Potassium	3000	2844	94.8	ug/L	80 - 120
	Sodium	3000	2967	98.9	ug/L	80 - 120

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2J29813
Calibration: 2298003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29813-ICB1	Iron (dissolved)	-0.6946	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.02225	3.00	15.0	ug/L	U	SW6010B
2J29813-CCB1	Iron (dissolved)	-1.24	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0149	3.00	15.0	ug/L	U	SW6010B
2J29813-CCB3	Iron (dissolved)	-2.05	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.137	3.00	15.0	ug/L	U	SW6010B
2J24014-BLK1	Iron (dissolved)	1.48	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0419	3.00	15.0	ug/L	U	SW6010B
2J29813-CCB4	Iron (dissolved)	-1.73	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0551	3.00	15.0	ug/L	U	SW6010B
2J29813-CCB5	Iron (dissolved)	-2.92	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0667	3.00	15.0	ug/L	U	SW6010B
2J24015-BLK1	Iron (dissolved)	-1.57	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	-0.0232	3.00	15.0	ug/L	U	SW6010B
2J29813-CCB6	Iron (dissolved)	-1.52	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.0537	3.00	15.0	ug/L	U	SW6010B
2J29813-CCB7	Iron (dissolved)	-3.70	30.0	100	ug/L	U	SW6010B
	Manganese (dissolved)	0.147	3.00	15.0	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2K30606
Calibration: 2306002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K30606-ICB1	Calcium	2.220	1000	5000	ug/L	U	SW6010B
	Lead	0.4312	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.880	1000	5000	ug/L	U	SW6010B
	Potassium	23.71	1000	5000	ug/L	U	SW6010B
	Sodium	5.080	1000	5000	ug/L	U	SW6010B
2K30606-CCB1	Calcium	2.35	1000	5000	ug/L	U	SW6010B
	Lead	0.453	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-2.97	1000	5000	ug/L	U	SW6010B
	Potassium	13.6	1000	5000	ug/L	U	SW6010B
	Sodium	-9.11	1000	5000	ug/L	U	SW6010B
2J30419-BLK1	Calcium	9.86	1000	5000	ug/L	U	SW6010B
	Lead	-0.106	1.50	3.00	ug/L	U	SW6010B
	Magnesium	5.25	1000	5000	ug/L	U	SW6010B
	Potassium	30.4	1000	5000	ug/L	U	SW6010B
	Sodium	0.590	1000	5000	ug/L	U	SW6010B
2K30606-CCB2	Calcium	15.3	1000	5000	ug/L	U	SW6010B
	Lead	-0.530	1.50	3.00	ug/L	U	SW6010B
	Magnesium	13.6	1000	5000	ug/L	U	SW6010B
	Potassium	2.96	1000	5000	ug/L	U	SW6010B
	Sodium	11.2	1000	5000	ug/L	U	SW6010B
2K30606-CCB3	Calcium	5.77	1000	5000	ug/L	U	SW6010B
	Lead	0.380	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-1.04	1000	5000	ug/L	U	SW6010B
	Potassium	19.7	1000	5000	ug/L	U	SW6010B
	Sodium	8.92	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2K30612
Calibration: 2306004

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K30612-ICB1	Calcium	7.860	1000	5000	ug/L	U	SW6010B
	Lead	-0.1235	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-6.190	1000	5000	ug/L	U	SW6010B
	Potassium	14.12	1000	5000	ug/L	U	SW6010B
	Sodium	10.84	1000	5000	ug/L	U	SW6010B
2K30612-CCB1	Calcium	11.4	1000	5000	ug/L	U	SW6010B
	Lead	0.112	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-9.18	1000	5000	ug/L	U	SW6010B
	Potassium	22.9	1000	5000	ug/L	U	SW6010B
	Sodium	8.66	1000	5000	ug/L	U	SW6010B
2K30612-CCB3	Calcium	37.1	1000	5000	ug/L	U	SW6010B
	Lead	-0.501	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-0.0300	1000	5000	ug/L	U	SW6010B
	Potassium	58.5	1000	5000	ug/L	U	SW6010B
	Sodium	351	1000	5000	ug/L	U	SW6010B
2J31012-BLK1	Calcium	32.8	1000	5000	ug/L	U	SW6010B
	Lead	-0.595	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.66	1000	5000	ug/L	U	SW6010B
	Potassium	88.5	1000	5000	ug/L	U	SW6010B
	Sodium	309	1000	5000	ug/L	U	SW6010B
2K30612-CCB4	Calcium	3.17	1000	5000	ug/L	U	SW6010B
	Lead	-0.220	1.50	3.00	ug/L	U	SW6010B
	Magnesium	-3.29	1000	5000	ug/L	U	SW6010B
	Potassium	24.2	1000	5000	ug/L	U	SW6010B
	Sodium	17.3	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2K31013
Calibration: 2310003

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K31013-ICB1	Calcium	15.44	1000	5000	ug/L	U	SW6010B
	Lead	0.5555	1.50	3.00	ug/L	U	SW6010B
	Magnesium	22.40	1000	5000	ug/L	U	SW6010B
	Potassium	5.360	1000	5000	ug/L	U	SW6010B
	Sodium	4.410	1000	5000	ug/L	U	SW6010B
2K31013-CCB1	Calcium	11.6	1000	5000	ug/L	U	SW6010B
	Lead	-0.0233	1.50	3.00	ug/L	U	SW6010B
	Magnesium	16.6	1000	5000	ug/L	U	SW6010B
	Potassium	6.72	1000	5000	ug/L	U	SW6010B
	Sodium	16.1	1000	5000	ug/L	U	SW6010B
2K02011-BLK1	Calcium	8.43	1000	5000	ug/L	U	SW6010B
	Lead	-0.0701	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.02	1000	5000	ug/L	U	SW6010B
	Potassium	6.42	1000	5000	ug/L	U	SW6010B
	Sodium	14.9	1000	5000	ug/L	U	SW6010B
2K31013-CCB2	Calcium	2.55	1000	5000	ug/L	U	SW6010B
	Lead	0.0909	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.08	1000	5000	ug/L	U	SW6010B
	Potassium	31.9	1000	5000	ug/L	U	SW6010B
	Sodium	15.9	1000	5000	ug/L	U	SW6010B
2K31013-CCB3	Calcium	12.0	1000	5000	ug/L	U	SW6010B
	Lead	-0.255	1.50	3.00	ug/L	U	SW6010B
	Magnesium	4.96	1000	5000	ug/L	U	SW6010B
	Potassium	33.0	1000	5000	ug/L	U	SW6010B
	Sodium	20.2	1000	5000	ug/L	U	SW6010B

BLANKS
SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Instrument ID: ME-ICP
Project: Kirtland AFB 2011
Sequence: 2K31216
Calibration: 2312006

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K31216-ICB1	Calcium	4.290	1000	5000	ug/L	U	SW6010B
	Lead	0.4250	1.50	3.00	ug/L	U	SW6010B
	Magnesium	7.610	1000	5000	ug/L	U	SW6010B
	Potassium	-5.980	1000	5000	ug/L	U	SW6010B
	Sodium	9.650	1000	5000	ug/L	U	SW6010B
2K31216-CCB1	Calcium	3.52	1000	5000	ug/L	U	SW6010B
	Lead	0.0279	1.50	3.00	ug/L	U	SW6010B
	Magnesium	8.10	1000	5000	ug/L	U	SW6010B
	Potassium	17.5	1000	5000	ug/L	U	SW6010B
	Sodium	14.7	1000	5000	ug/L	U	SW6010B
2K31216-CCB2	Calcium	10.4	1000	5000	ug/L	U	SW6010B
	Lead	-0.445	1.50	3.00	ug/L	U	SW6010B
	Magnesium	12.7	1000	5000	ug/L	U	SW6010B
	Potassium	-5.30	1000	5000	ug/L	U	SW6010B
	Sodium	84.3	1000	5000	ug/L	U	SW6010B
2K06007-BLK1	Calcium	6.96	1000	5000	ug/L	U	SW6010B
	Lead	-0.741	1.50	3.00	ug/L	U	SW6010B
	Magnesium	6.41	1000	5000	ug/L	U	SW6010B
	Potassium	6.84	1000	5000	ug/L	U	SW6010B
	Sodium	107	1000	5000	ug/L	U	SW6010B
2K31216-CCB3	Calcium	9.95	1000	5000	ug/L	U	SW6010B
	Lead	-0.0657	1.50	3.00	ug/L	U	SW6010B
	Magnesium	12.1	1000	5000	ug/L	U	SW6010B
	Potassium	13.2	1000	5000	ug/L	U	SW6010B
	Sodium	30.3	1000	5000	ug/L	U	SW6010B

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: ME-ICP

Calibration: 2298003

Sequence: 2J29813

Lab Sample ID	Analyte	True	Found	%R	Units
2J29813-IFA1	Iron (dissolved)	200000	196,570.00	98.3	ug/L
	Manganese (dissolved)		-4.48		ug/L
2J29813-IFB1	Iron (dissolved)	200000	194,740.00	97.4	ug/L
	Manganese (dissolved)	500.0	478.23	95.6	ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2306002
Sequence: 2K30606

Lab Sample ID	Analyte	True	Found	%R	Units
2K30606-IFA1	Calcium	500000	458,080.00	91.6	ug/L
	Lead		6.15		ug/L
	Magnesium	500000	451,570.00	90.3	ug/L
	Potassium		-16.71		ug/L
	Sodium		30.61		ug/L
2K30606-IFB1	Calcium	500000	458,400.00	91.7	ug/L
	Lead	50.00	55.60	111	ug/L
	Magnesium	500000	463,880.00	92.8	ug/L
	Potassium		4.91		ug/L
	Sodium		38.28		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2306004
Sequence: 2K30612

Lab Sample ID	Analyte	True	Found	%R	Units
2K30612-IFA1	Calcium	500000	493,050.00	98.6	ug/L
	Lead		8.61		ug/L
	Magnesium	500000	512,100.00	102	ug/L
	Potassium		-14.68		ug/L
	Sodium		36.38		ug/L
2K30612-IFB1	Calcium	500000	497,720.00	99.5	ug/L
	Lead	50.00	56.89	114	ug/L
	Magnesium	500000	512,440.00	102	ug/L
	Potassium		-22.39		ug/L
	Sodium		33.93		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2310003
Sequence: 2K31013

Lab Sample ID	Analyte	True	Found	%R	Units
2K31013-IFA1	Calcium	500000	498,960.00	99.8	ug/L
	Lead		3.62		ug/L
	Magnesium	500000	508,040.00	102	ug/L
	Potassium		-29.38		ug/L
	Sodium		50.00		ug/L
2K31013-IFB1	Calcium	500000	510,960.00	102	ug/L
	Lead	50.00	47.11	94.2	ug/L
	Magnesium	500000	519,290.00	104	ug/L
	Potassium		-36.86		ug/L
	Sodium		54.05		ug/L

ICP INTERFERENCE CHECK SAMPLE

SW6010B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Instrument ID: ME-ICP
Calibration: 2312006
Sequence: 2K31216

Lab Sample ID	Analyte	True	Found	%R	Units
2K31216-IFA1	Calcium	500000	498,900.00	99.8	ug/L
	Lead		2.73		ug/L
	Magnesium	500000	506,560.00	101	ug/L
	Potassium		-26.41		ug/L
	Sodium		31.21		ug/L
2K31216-IFB1	Calcium	500000	497,070.00	99.4	ug/L
	Lead	50.00	50.66	101	ug/L
	Magnesium	500000	507,290.00	101	ug/L
	Potassium		-39.29		ug/L
	Sodium		39.59		ug/L

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24014

% Solids:

Source Sample Name: **1210178-02**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	415.0	1388	97.3		80 - 120
Manganese (dissolved)	500.0	235.5	733.4	99.6		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1398	98.3	0.732		20	80 - 120
Manganese (dissolved)	500.0	728.7	98.6	0.647		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0867

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J24015

% Solids:

Source Sample Name: **1210200-24**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Iron (dissolved)	1000	ND	1012	101		80 - 120
Manganese (dissolved)	500.0	ND	499.7	99.9		80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Iron (dissolved)	1000	1059	106	4.50		20	80 - 120
Manganese (dissolved)	500.0	499.2	99.8	0.0841		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SW6010B

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J30419

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (ug/L)	SAMPLE CONCENTRATION (ug/L)	MS CONCENTRATION (ug/L)	MS % REC.	Q	QC LIMITS REC.
Calcium	5000	53150	59680	131	4x	80 - 120
Lead	250.0	ND	250.3	100		80 - 120
Magnesium	5000	7605	12340	94.7		80 - 120
Potassium	5000	2571	7514	98.9		80 - 120
Sodium	5000	26180	32390	124	4x	80 - 120

ANALYTE	SPIKE ADDED (ug/L)	MSD CONCENTRATION (ug/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Calcium	5000	57550	88.1	3.63		20	80 - 120
Lead	250.0	259.9	104	3.79		20	80 - 120
Magnesium	5000	12100	89.9	1.97		20	80 - 120
Potassium	5000	7383	96.2	1.76		20	80 - 120
Sodium	5000	31640	109	2.36		20	80 - 120

POST DIGEST SPIKE SAMPLE RECOVERY

SW6010B

GW0754

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2J30419-PS1
Batch: 2J30419
Lab Source ID: 1210178-01
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	57200	53150	5000	81.1	80 - 120
Lead	243.0	ND	250.0	97.2	80 - 120
Magnesium	11910	7605	5000	86.0	80 - 120
Potassium	7204	2571	5000	92.7	80 - 120
Sodium	31610	26180	5000	109	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24014	Laboratory ID:	2J24014-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	1000	100	80 - 120
Manganese (dissolved)	500.0	490.6	98.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24015	Laboratory ID:	2J24015-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	1070	107	80 - 120
Manganese (dissolved)	500.0	560.9	112	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J30419	Laboratory ID:	2J30419-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	4840	96.8	80 - 120
Lead	250.0	242.7	97.1	80 - 120
Magnesium	5000	4592	91.8	80 - 120
Potassium	5000	4676	93.5	80 - 120
Sodium	5000	4996	99.9	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J31012	Laboratory ID:	2J31012-BS1
Preparation:	MET_3005A	Initial/Final:	50 mL / 50 mL

ANALYTE	SPIKE ADDED (ug/L)	LCS CONCENTRATION (ug/L)	LCS % REC.	QC LIMITS REC.
Calcium	5000	5147	103	80 - 120
Lead	250.0	247.2	98.9	80 - 120
Magnesium	5000	5004	100	80 - 120
Potassium	5000	4953	99.1	80 - 120
Sodium	5000	5123	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2K02011	Laboratory ID:	2K02011-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	5086	102	80 - 120
Lead	250.0	242.5	97.0	80 - 120
Magnesium	5000	4963	99.3	80 - 120
Potassium	5000	4857	97.1	80 - 120
Sodium	5000	5013	100	80 - 120

LCS / LCS DUPLICATE RECOVERY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2K06007	Laboratory ID:	2K06007-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	5437	109	80 - 120
Lead	250.0	241.8	96.7	80 - 120
Magnesium	5000	5475	109	80 - 120
Potassium	5000	5107	102	80 - 120
Sodium	5000	5477	110	80 - 120

SERIAL DILUTION

SW6010B

GW0754

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J29813
Preparation: MET_3005A

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24014-DUP1
Lab Source ID: 1210178-02
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)	415.01	472.64	13.9		SW6010B	10.00
Manganese (dissolved)	235.53	265.24	12.6	E	SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0867

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2J29813
Preparation: MET_3005A

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24015-DUP1
Lab Source ID: 1210200-24
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Iron (dissolved)	ND	ND			SW6010B	10.00
Manganese (dissolved)	ND	ND			SW6010B	10.00

SERIAL DILUTION

SW6010B

GW0754

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Sequence: 2K30606
Preparation: MET_3005A

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J30419-DUP1
Lab Source ID: 1210178-01
Initial/Final: 50 / 50

Analyte	Initial Sample Result (I) ug/L	Serial Dilution Result (S) ug/L	% Difference	Q	Method	QC Limits % Difference
Calcium	53147	53390	0.457		SW6010B	10.00
Lead	ND	ND			SW6010B	10.00
Magnesium	7604.8	7734	1.7		SW6010B	10.00
Potassium	2570.8	ND			SW6010B	10.00
Sodium	26180	26834	2.5		SW6010B	10.00

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_066

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Al	Ca	Fe	Mg	Ag
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Lead	220.3	0.000274	0.002914	0.000021	0.000325	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	-0.000001	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.000032	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_066

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: As	B	Ba	Be	Cd
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_066

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Co	Cr	Cu	K	Mn
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Iron	261.1	0.0000000	-0.000701	0.0000000	0.0000000	-0.000794
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Lead	220.3	-0.000077	0.0000000	0.000101	0.0000000	0.000116
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_066

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Mo	Na	Ni	Pb	Sb
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Lead	220.3	-0.002028	0.0000000	0.000100	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	-0.000013	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_066

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for:				
		Se	Sn	Ti	Tl	V
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Calcium	317.9	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Iron	261.1	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Lead	220.3	0.0000000	0.0000000	-0.000006	0.0000000	-0.000072
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Magnesium	279.0	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Manganese	257.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Potassium	766.4	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000
Sodium	589.6	0.0000000	0.0000000	0.0000000	0.0000000	0.0000000

Comments:

FORM XA-IN

USEPA - CLP

10A-IN
ICP-AES INTERELEMENT CORRECTION FACTORS (ANNUALLY)

Lab Name: Empirical Laboratories, LLC Contract: Shaw E & I (I700)

SDG No.: Kirtland_066

ICP-AES Instrument ID: Thermo Jarrell Ashe ICAP Date: 12/30/2011

Analyte	Wave-length (nm)	Interelement Correction Factors for: Zn				
Calcium	317.9	0.0000000				
Calcium	317.9	0.0000000				
Iron	261.1	0.0000000				
Iron	261.1	0.0000000				
Lead	220.3	0.0000000				
Lead	220.3	0.0000000				
Magnesium	279.0	0.0000000				
Magnesium	279.0	0.0000000				
Manganese	257.6	0.0000000				
Manganese	257.6	0.0000000				
Potassium	766.4	0.0000000				
Potassium	766.4	0.0000000				
Sodium	589.6	0.0000000				
Sodium	589.6	0.0000000				

Comments:

FORM XA-IN

ICP-AES AND ICP-MS LINEAR RANGES (QUARTERLY)

Lab Name: Empirical Laboratories, LLC

Client: Shaw E & I (I700) SDG: Kirtland_066

Project: Kirtland AFB 2011

ICP Instrument ID: ME-ICP Date: 12/30/2011

Analyte	Integ. Time (Sec.)	Concentration ug/L	M
Calcium	15	500000	P
Calcium	15	500000	P
Iron	15	500000	P
Iron	15	500000	P
Lead	15	10000	P
Lead	15	10000	P
Magnesium	15	500000	P
Magnesium	15	500000	P
Manganese	15	10000	P
Manganese	15	10000	P
Potassium	15	100000	P
Potassium	15	100000	P
Sodium	15	500000	P
Sodium	15	500000	P

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J24014 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-02	10/24/12 08:24	50.00	50.00
GW0808	1210178-04	10/24/12 08:24	50.00	50.00
GW0809	1210178-06	10/24/12 08:24	50.00	50.00
GW0810	1210178-08	10/24/12 08:24	50.00	50.00
GW0811	1210178-10	10/24/12 08:24	50.00	50.00
GW0825	1210178-12	10/24/12 08:24	50.00	50.00
GW0826	1210178-14	10/24/12 08:24	50.00	50.00
GW0827	1210178-16	10/24/12 08:24	50.00	50.00
GW0855	1210178-18	10/24/12 08:24	50.00	50.00
GW0856	1210178-20	10/24/12 08:24	50.00	50.00
GW0857	1210178-22	10/24/12 08:24	50.00	50.00
GW0861	1210178-24	10/24/12 08:24	50.00	50.00
GW0862	1210178-26	10/24/12 08:24	50.00	50.00
GW0863	1210178-28	10/24/12 08:24	50.00	50.00
Blank	2J24014-BLK1	10/24/12 08:24	50.00	50.00
LCS	2J24014-BS1	10/24/12 08:24	50.00	50.00
GW0754	2J24014-DUP1	10/24/12 08:24	50.00	50.00
GW0754	2J24014-MS1	10/24/12 08:24	50.00	50.00
GW0754	2J24014-MSD1	10/24/12 08:24	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J24015 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-02	10/24/12 08:26	50.00	50.00
GW0789	1210200-04	10/24/12 08:26	50.00	50.00
GW0790	1210200-06	10/24/12 08:26	50.00	50.00
GW0791	1210200-08	10/24/12 08:26	50.00	50.00
GW0799	1210200-10	10/24/12 08:26	50.00	50.00
GW0800	1210200-12	10/24/12 08:26	50.00	50.00
GW0801	1210200-14	10/24/12 08:26	50.00	50.00
GW0854	1210200-16	10/24/12 08:26	50.00	50.00
GW0864	1210200-18	10/24/12 08:26	50.00	50.00
GW0865	1210200-20	10/24/12 08:26	50.00	50.00
GW0866	1210200-22	10/24/12 08:26	50.00	50.00
GW0867	1210200-24	10/24/12 08:26	50.00	50.00
Blank	2J24015-BLK1	10/24/12 08:26	50.00	50.00
LCS	2J24015-BS1	10/24/12 08:26	50.00	50.00
GW0867	2J24015-DUP1	10/24/12 08:26	50.00	50.00
GW0867	2J24015-MS1	10/24/12 08:26	50.00	50.00
GW0867	2J24015-MSD1	10/24/12 08:26	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J30419 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	10/30/12 11:08	50.00	50.00
GW0808	1210178-03	10/30/12 11:08	50.00	50.00
GW0809	1210178-05	10/30/12 11:08	50.00	50.00
GW0810	1210178-07	10/30/12 11:08	50.00	50.00
GW0811	1210178-09	10/30/12 11:08	50.00	50.00
GW0825	1210178-11	10/30/12 11:08	50.00	50.00
GW0826	1210178-13	10/30/12 11:08	50.00	50.00
GW0827	1210178-15	10/30/12 11:08	50.00	50.00
GW0855	1210178-17	10/30/12 11:08	50.00	50.00
Blank	2J30419-BLK1	10/30/12 11:08	50.00	50.00
LCS	2J30419-BS1	10/30/12 11:08	50.00	50.00
GW0754	2J30419-DUP1	10/30/12 11:08	50.00	50.00
GW0754	2J30419-MS1	10/30/12 11:08	50.00	50.00
GW0754	2J30419-MSD1	10/30/12 11:08	50.00	50.00
GW0754	2J30419-PS1	10/30/12 11:08	20.00	20.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J31012 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0856	1210178-19	10/31/12 09:37	50.00	50.00
GW0857	1210178-21	10/31/12 09:37	50.00	50.00
GW0861	1210178-23	10/31/12 09:37	50.00	50.00
GW0862	1210178-25	10/31/12 09:37	50.00	50.00
GW0863	1210178-27	10/31/12 09:37	50.00	50.00
Blank	2J31012-BLK1	10/31/12 09:37	50.00	50.00
LCS	2J31012-BS1	10/31/12 09:37	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2K02011 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-01	11/02/12 11:04	50.00	50.00
GW0789	1210200-03	11/02/12 11:04	50.00	50.00
GW0790	1210200-05	11/02/12 11:04	50.00	50.00
GW0791	1210200-07	11/02/12 11:04	50.00	50.00
GW0799	1210200-09	11/02/12 11:04	50.00	50.00
GW0800	1210200-11	11/02/12 11:04	50.00	50.00
GW0801	1210200-13	11/02/12 11:04	50.00	50.00
GW0854	1210200-15	11/02/12 11:04	50.00	50.00
GW0864	1210200-17	11/02/12 11:04	50.00	50.00
GW0865	1210200-19	11/02/12 11:04	50.00	50.00
Blank	2K02011-BLK1	11/02/12 11:04	50.00	50.00
LCS	2K02011-BS1	11/02/12 11:04	50.00	50.00

PREPARATION BATCH SUMMARY

SW6010B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2K06007 Batch Matrix: Water Preparation: MET_3005A

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0866	1210200-21	11/06/12 08:35	50.00	50.00
GW0867	1210200-23	11/06/12 08:35	50.00	50.00
Blank	2K06007-BLK1	11/06/12 08:35	50.00	50.00
LCS	2K06007-BS1	11/06/12 08:35	50.00	50.00

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29813	Instrument:	ME-ICP
Calibration:	2298003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J29813-CAL1	10-24-12A-001	10/24/12 09:00
Cal Standard	2J29813-CAL2	10-24-12A-002	10/24/12 09:04
Cal Standard	2J29813-CAL3	10-24-12A-003	10/24/12 09:08
Cal Standard	2J29813-CAL4	10-24-12A-004	10/24/12 09:13
Cal Standard	2J29813-CAL5	10-24-12A-005	10/24/12 09:17
Cal Standard	2J29813-CAL6	10-24-12A-006	10/24/12 09:22
Initial Cal Check	2J29813-ICV1	10-24-12B-001	10/24/12 10:04
Initial Cal Blank	2J29813-ICB1	10-24-12B-002	10/24/12 10:11
Instrument RL Check	2J29813-CRL1	10-24-12B-003	10/24/12 10:16
Interference Check A	2J29813-IFA1	10-24-12B-005	10/24/12 10:26
Interference Check B	2J29813-IFB1	10-24-12C-001	10/24/12 10:40
Calibration Check	2J29813-CCV1	10-24-12C-005	10/24/12 11:02
Calibration Blank	2J29813-CCB1	10-24-12C-006	10/24/12 11:09
Calibration Check	2J29813-CCV3	10-24-12C-033	10/24/12 13:42
Calibration Blank	2J29813-CCB3	10-24-12C-034	10/24/12 13:49
Blank	2J24014-BLK1	102412D-001	10/24/12 13:56
LCS	2J24014-BS1	102412D-002	10/24/12 14:01
GW0754	1210178-02	102412D-003	10/24/12 14:07
GW0754	2J24014-MS1	102412D-004	10/24/12 14:12
GW0754	2J24014-MSD1	102412D-005	10/24/12 14:16
GW0754	2J24014-DUP1	102412D-006	10/24/12 14:21
GW0808	1210178-04	102412D-007	10/24/12 14:26
GW0809	1210178-06	102412D-008	10/24/12 14:30
GW0810	1210178-08	102412D-009	10/24/12 14:35
GW0811	1210178-10	102412D-010	10/24/12 14:39
GW0825	1210178-12	102412D-011	10/24/12 14:44
GW0826	1210178-14	102412D-012	10/24/12 14:48
GW0827	1210178-16	102412D-013	10/24/12 14:53
GW0855	1210178-18	102412D-014	10/24/12 14:57
GW0856	1210178-20	102412D-015	10/24/12 15:01
Calibration Check	2J29813-CCV4	102412D-016	10/24/12 15:07
Calibration Blank	2J29813-CCB4	102412D-017	10/24/12 15:14

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J29813	Instrument:	ME-ICP
Calibration:	2298003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
GW0857	1210178-22	102412D-018	10/24/12 15:19
GW0861	1210178-24	102412D-019	10/24/12 15:23
GW0862	1210178-26	102412D-020	10/24/12 15:28
GW0863	1210178-28	102412D-021	10/24/12 15:32
Calibration Check	2J29813-CCV5	102412D-022	10/24/12 15:37
Calibration Blank	2J29813-CCB5	102412D-023	10/24/12 15:45
Blank	2J24015-BLK1	102412E-001	10/24/12 15:52
LCS	2J24015-BS1	102412E-002	10/24/12 15:57
GW0774	1210200-02	102412E-005	10/24/12 16:12
GW0789	1210200-04	102412E-006	10/24/12 16:17
GW0790	1210200-06	102412E-007	10/24/12 16:21
GW0791	1210200-08	102412E-008	10/24/12 16:26
GW0799	1210200-10	102412E-009	10/24/12 16:30
GW0800	1210200-12	102412E-010	10/24/12 16:35
GW0801	1210200-14	102412E-011	10/24/12 16:39
Calibration Check	2J29813-CCV6	102412E-012	10/24/12 16:45
Calibration Blank	2J29813-CCB6	102412E-013	10/24/12 16:52
GW0854	1210200-16	102412E-014	10/24/12 16:56
GW0864	1210200-18	102412E-015	10/24/12 17:01
GW0865	1210200-20	102412E-016	10/24/12 17:05
GW0866	1210200-22	102412E-017	10/24/12 17:10
GW0867	1210200-24	102412E-018	10/24/12 17:14
GW0867	2J24015-MS1	102412E-019	10/24/12 17:19
GW0867	2J24015-MSD1	102412E-020	10/24/12 17:23
GW0867	2J24015-DUP1	102412E-021	10/24/12 17:28
Calibration Check	2J29813-CCV7	102412E-025	10/24/12 17:47
Calibration Blank	2J29813-CCB7	102412E-026	10/24/12 17:54

ANALYSIS SEQUENCE SUMMARY
SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30606	Instrument:	ME-ICP
Calibration:	2306002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K30606-CAL1	103112A-001	10/31/12 09:57
Cal Standard	2K30606-CAL2	103112A-002	10/31/12 10:02
Cal Standard	2K30606-CAL3	103112A-003	10/31/12 10:06
Cal Standard	2K30606-CAL5	103112A-005	10/31/12 10:15
Cal Standard	2K30606-CAL6	103112A-006	10/31/12 10:20
Cal Standard	2K30606-CAL7	103112A-007	10/31/12 10:26
Cal Standard	2K30606-CAL8	103112A-008	10/31/12 10:30
Initial Cal Check	2K30606-ICV1	103112B-001	10/31/12 11:00
Initial Cal Blank	2K30606-ICB1	103112B-002	10/31/12 11:07
Instrument RL Check	2K30606-CRL1	103112B-003	10/31/12 11:12
Interference Check A	2K30606-IFA1	103112B-010	10/31/12 11:48
Interference Check B	2K30606-IFB1	103112B-011	10/31/12 11:53
Calibration Check	2K30606-CCV1	103112B-013	10/31/12 12:03
Calibration Blank	2K30606-CCB1	103112B-014	10/31/12 12:11
Blank	2J30419-BLK1	103112B-016	10/31/12 12:20
LCS	2J30419-BS1	103112B-017	10/31/12 12:24
GW0754	1210178-01	103112B-025	10/31/12 13:02
GW0754	2J30419-MS1	103112B-026	10/31/12 13:07
GW0754	2J30419-MSD1	103112B-027	10/31/12 13:11
GW0754	2J30419-PS1	103112B-028	10/31/12 13:15
GW0754	2J30419-DUP1	103112B-029	10/31/12 13:21
GW0808	1210178-03	103112B-030	10/31/12 13:25
Calibration Check	2K30606-CCV2	103112B-031	10/31/12 13:30
Calibration Blank	2K30606-CCB2	103112B-032	10/31/12 13:38
GW0809	1210178-05	103112B-033	10/31/12 13:42
GW0810	1210178-07	103112B-034	10/31/12 13:47
GW0811	1210178-09	103112B-035	10/31/12 13:51
GW0825	1210178-11	103112B-036	10/31/12 13:55
GW0826	1210178-13	103112B-037	10/31/12 14:00
GW0827	1210178-15	103112B-038	10/31/12 14:04
GW0855	1210178-17	103112B-039	10/31/12 14:09
Calibration Check	2K30606-CCV3	103112B-043	10/31/12 14:28

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30606	Instrument:	ME-ICP
Calibration:	2306002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2K30606-CCB3	103112B-044	10/31/12 14:35

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30612	Instrument:	ME-ICP
Calibration:	2306004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K30612-CAL1	11-01-12A-001	11/01/12 09:11
Cal Standard	2K30612-CAL2	11-01-12A-002	11/01/12 09:16
Cal Standard	2K30612-CAL3	11-01-12A-003	11/01/12 09:20
Cal Standard	2K30612-CAL5	11-01-12A-005	11/01/12 09:29
Cal Standard	2K30612-CAL6	11-01-12A-006	11/01/12 09:34
Cal Standard	2K30612-CAL7	11-01-12A-007	11/01/12 09:39
Cal Standard	2K30612-CAL8	11-01-12A-008	11/01/12 09:44
Initial Cal Check	2K30612-ICV1	11-01-12B-001	11/01/12 10:21
Initial Cal Blank	2K30612-ICB1	11-01-12B-002	11/01/12 10:28
Instrument RL Check	2K30612-CRL1	11-01-12B-003	11/01/12 10:33
Interference Check A	2K30612-IFA1	11-01-12C-002	11/01/12 11:21
Interference Check B	2K30612-IFB1	11-01-12C-003	11/01/12 11:25
Calibration Check	2K30612-CCV1	11-01-12C-005	11/01/12 11:37
Calibration Blank	2K30612-CCB1	11-01-12C-006	11/01/12 11:44
Calibration Check	2K30612-CCV3	11-01-12C-033	11/01/12 14:25
Calibration Blank	2K30612-CCB3	11-01-12C-034	11/01/12 14:33
Blank	2J31012-BLK1	110112D-001	11/01/12 14:40
LCS	2J31012-BS1	110112D-002	11/01/12 14:45
GW0856	1210178-19	110112D-003	11/01/12 14:51
GW0857	1210178-21	110112D-004	11/01/12 14:56
GW0861	1210178-23	110112D-005	11/01/12 15:00
GW0862	1210178-25	110112D-006	11/01/12 15:05
GW0863	1210178-27	110112D-007	11/01/12 15:09
Calibration Check	2K30612-CCV4	110112D-013	11/01/12 15:37
Calibration Blank	2K30612-CCB4	110112D-014	11/01/12 15:44

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31013	Instrument:	ME-ICP
Calibration:	2310003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K31013-CAL1	11-05-12A-001	11/05/12 10:25
Cal Standard	2K31013-CAL2	11-05-12A-002	11/05/12 10:29
Cal Standard	2K31013-CAL3	11-05-12A-003	11/05/12 10:34
Cal Standard	2K31013-CAL5	11-05-12A-004	11/05/12 10:38
Cal Standard	2K31013-CAL6	11-05-12A-005	11/05/12 10:43
Cal Standard	2K31013-CAL7	11-05-12A-007	11/05/12 10:54
Cal Standard	2K31013-CAL8	11-05-12A-008	11/05/12 10:59
Initial Cal Check	2K31013-ICV1	11-05-12B-001	11/05/12 11:37
Initial Cal Blank	2K31013-ICB1	11-05-12B-002	11/05/12 11:44
Instrument RL Check	2K31013-CRL1	11-05-12B-004	11/05/12 11:54
Interference Check A	2K31013-IFA1	11-05-12B-007	11/05/12 12:09
Interference Check B	2K31013-IFB1	11-05-12B-008	11/05/12 12:14
Calibration Check	2K31013-CCV1	11-05-12B-010	11/05/12 12:24
Calibration Blank	2K31013-CCB1	11-05-12B-011	11/05/12 12:31
Blank	2K02011-BLK1	11-05-12B-012	11/05/12 12:36
LCS	2K02011-BS1	11-05-12B-013	11/05/12 12:40
Calibration Check	2K31013-CCV2	11-05-12B-028	11/05/12 13:50
Calibration Blank	2K31013-CCB2	11-05-12B-029	11/05/12 13:58
GW0774	1210200-01	110512C-001	11/05/12 14:03
GW0789	1210200-03	110512C-002	11/05/12 14:08
GW0790	1210200-05	110512C-003	11/05/12 14:12
GW0791	1210200-07	110512C-004	11/05/12 14:17
GW0799	1210200-09	110512C-005	11/05/12 14:21
GW0800	1210200-11	110512C-006	11/05/12 14:26
GW0801	1210200-13	110512C-007	11/05/12 14:30
GW0854	1210200-15	110512C-008	11/05/12 14:35
GW0864	1210200-17	110512C-009	11/05/12 14:39
GW0865	1210200-19	110512C-010	11/05/12 14:44
Calibration Check	2K31013-CCV3	110512C-011	11/05/12 14:49
Calibration Blank	2K31013-CCB3	110512C-012	11/05/12 14:56

ANALYSIS SEQUENCE SUMMARY

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31216	Instrument:	ME-ICP
Calibration:	2312006		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K31216-CAL1	11-07-12A-001	11/07/12 08:34
Cal Standard	2K31216-CAL2	11-07-12A-002	11/07/12 08:38
Cal Standard	2K31216-CAL3	11-07-12A-003	11/07/12 08:43
Cal Standard	2K31216-CAL5	11-07-12A-005	11/07/12 08:52
Cal Standard	2K31216-CAL6	11-07-12A-006	11/07/12 08:58
Cal Standard	2K31216-CAL7	11-07-12A-007	11/07/12 09:03
Cal Standard	2K31216-CAL8	11-07-12A-008	11/07/12 09:08
Cal Standard	2K31216-CAL4	11-07-12A-009	11/07/12 09:13
Initial Cal Check	2K31216-ICV1	11-07-12B-001	11/07/12 09:50
Initial Cal Blank	2K31216-ICB1	11-07-12B-002	11/07/12 09:57
Instrument RL Check	2K31216-CRL1	11-07-12B-004	11/07/12 10:07
Interference Check A	2K31216-IFA1	11-07-12B-008	11/07/12 10:27
Interference Check B	2K31216-IFB1	11-07-12B-009	11/07/12 10:32
Calibration Check	2K31216-CCV1	11-07-12B-011	11/07/12 10:42
Calibration Blank	2K31216-CCB1	11-07-12B-012	11/07/12 10:50
Calibration Check	2K31216-CCV2	11-07-12B-024	11/07/12 11:48
Calibration Blank	2K31216-CCB2	11-07-12B-025	11/07/12 11:55
Blank	2K06007-BLK1	11-07-12B-031	11/07/12 12:24
LCS	2K06007-BS1	11-07-12B-032	11/07/12 12:29
GW0866	1210200-21	11-07-12B-033	11/07/12 12:35
GW0867	1210200-23	11-07-12B-034	11/07/12 12:40
Calibration Check	2K31216-CCV3	11-07-12B-035	11/07/12 12:45
Calibration Blank	2K31216-CCB3	11-07-12B-036	11/07/12 12:52

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2298003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/24/12 9:00 10/24/12 9:32

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.6352E-05	10000	2.6079E-05			500000	2.5874E-05		
Antimony	0	0	100	0.0006683	1000	6.9094E-04					10000	6.9264E-04
Arsenic	0	0	100	0.0003601	1000	3.8541E-04					10000	3.8063E-04
Barium	0	0	50	0.0125286	1000	0.011682	5000	0.012084				
Beryllium	0	0	100	0.0024358	1000	0.0024242					10000	0.0023756
Boron	0	0	50	0.0000168	1000	1.815E-05					5000	1.7728E-05
Cadmium	0	0	100	0.019073	1000	0.018914					10000	0.018111
Calcium	0	0	1100	6.983637E-05	50000	6.6352E-05					10000	
Chromium	0	0	100	0.0000528	1000	5.063E-05					10000	5.1038E-05
Cobalt	0	0	100	0.005342	1000	0.0051817					10000	0.0053105
Copper	0	0	100	0.0000844	1000	7.657E-05					10000	7.6896E-05
Iron	0	0	5100	2.216471E-05	10000	2.1074E-05			500000	2.0756E-05	10000	
Lead	0	0	100	0.0013851	1000	0.0013085					10000	0.001357
Magnesium	0	0	5100		50000	2.1834E-06			500000	2.2562E-06	10000	
Manganese	0	0	100	0.0003001	1000	2.8731E-04	10000	2.7881E-04			10000	
Molybdenum	0	0	100	0.0040033	1000	0.0040947					10000	0.0040872
Nickel	0	0	100	0.0035357	1000	0.0034375					10000	0.0034987
Potassium	0	0	1000	1.585E-05	10000	1.7416E-05						
Selenium	0	0	100	0.0003916	1000	4.0024E-04					10000	3.9372E-04
Silver	0	0	20	0.0000705	500	0.000064	2000	6.7625E-05				
Sodium	0	0	1000		50000	6.075E-05						
Strontium	0	0	100	0.001653	1000	0.001634					10000	0.001658
Thallium	0	0	100	0.0008514	1000	8.1889E-04					10000	8.3787E-04
Tin	0	0	50	0.0013664	1000	0.0014064					5000	1.42012E-03
Titanium	0	0	100	0.0001802	1000	1.7942E-04					10000	1.8576E-04
Vanadium	0	0	100	0.0000451	1000	4.449E-05					10000	4.5088E-05
Zinc	0	0	100	0.0077788	1000	0.0077586					10000	0.0077135

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2298003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/24/12 9:00 10/24/12 9:32

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	6.3958E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.1341E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.8027E-05										
Selenium												
Silver												
Sodium	100000	6.0159E-05	500000	5.9786E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2298003	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	10/24/12 9:00	10/24/12 9:32	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.957625E-05	66.67417	5.338515	179.9806	1		0.998	
Antimony	5.1297E-04	66.70175	3.894312	160.884	1		0.998	
Arsenic	2.81535E-04	66.78063	11.02519	185.456	0.9999973		0.998	
Barium	9.07365E-03	66.77548	2.032922	162.8557	0.9999489		0.998	
Beryllium	0.0018089	66.68225	35.37302	195.1682	0.9999962		0.998	
Boron	1.31695E-05	66.80403	5.001998	168.9521	0.999972		0.998	
Cadmium	0.0140245	66.73423	1.20581	129.8399	0.9999823		0.998	
Calcium	5.003659E-05	66.84094	2.371625	150.3717	0.9999867		0.998	
Chromium	3.8617E-05	66.71125	4.872575	171.5523	0.999999		0.998	
Cobalt	3.95855E-03	66.68968	1.121075	115.8615	0.9999938		0.998	
Copper	5.94665E-05	66.94351	0.55486	39.45753	0.9999985		0.998	
Iron	1.599868E-05	66.7732	12.73487	194.1576	0.9999997		0.998	
Lead	1.01265E-03	66.73984	3.176202	171.226	0.999986		0.998	
Magnesium	1.643425E-06	66.73648	437.387	199.9165	0.9998871		0.998	
Manganese	2.16555E-04	66.78901	3.902098	166.569	0.9999922		0.998	
Molybdenum	0.0030463	66.68054	5.091403	178.5053	0.9999999		0.998	
Nickel	2.617975E-03	66.68461	43.41436	197.8239	0.9999967		0.998	
Potassium	1.282325E-05	67.04896	3.33909	154.1465	0.9999951		0.998	
Selenium	2.9639E-04	66.6782	1141.719	199.8788	0.9999972		0.998	
Silver	5.053125E-05	66.8741	9.47037	178.1114	0.9997899		0.998	
Sodium	4.517375E-05	66.67245	3.394508	186.7563	0.9999972		0.998	
Strontium	1.23625E-03	66.67191	0.97465	82.30572	0.999998		0.998	
Thallium	6.2704E-04	66.70057	5.76168	176.705	0.9999947		0.998	
Tin	1.04823E-03	66.70211	3.514575	173.7723	0.9999969		0.998	
Titanium	1.36345E-04	66.69881	72.50709	199.0086	0.9999892		0.998	
Vanadium	3.36695E-05	66.67203	7.884053	184.1819	0.9999982		0.998	
Zinc	5.812725E-03	66.66832	2.072205	160.9302	0.9999997		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2306002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/31/12 9:57 10/31/12 10:30

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
Aluminum	0	0	5000	3.1358E-05	10000	3.1177E-05			500000	3.0942E-05		
Antimony	0	0	100	0.0004703	1000	0.0005259					10000	5.2268E-04
Arsenic	0	0	100	0.0002285	1000	2.5865E-04					10000	2.5296E-04
Barium	0	0	50	0.0081526	1000	0.007938	5000	8.168801E-03				
Beryllium	0	0	100	0.0026132	1000	0.002626					10000	0.0025531
Boron	0	0	50	0.0000182	1000	1.831E-05					5000	1.8346E-05
Cadmium	0	0	100	0.018102	1000	0.01823					10000	0.017306
Calcium	0	0	1100	6.801818E-05	50000	6.6608E-05					10000	
Chromium	0	0	100	0.0000576	1000	5.447E-05					10000	5.4983E-05
Cobalt	0	0	100	0.0051898	1000	0.0050998					10000	0.0051703
Copper	0	0	100	0.0000601	1000	5.563E-05					10000	5.5658E-05
Iron	0	0	5100	2.621569E-05	10000	2.5347E-05			500000	2.4368E-05	10000	
Lead	0	0	100	0.0013361	1000	0.0012952					10000	0.0013307
Magnesium	0	0	5100		50000	2.4952E-06			500000	2.5254E-06	10000	
Manganese	0	0	100	0.0003259	1000	3.1445E-04	10000	3.0055E-04			10000	
Molybdenum	0	0	100	0.0038585	1000	0.0039972					10000	0.0039574
Nickel	0	0	100	0.0026113	1000	0.0025958					10000	0.0026072
Potassium	0	0	1000	1.842E-05	10000	2.0034E-05						
Selenium	0	0	100	0.00039	1000	3.9808E-04					10000	3.8804E-04
Silver	0	0	20	0.0000835	500	7.918E-05	2000	8.2345E-05				
Sodium	0	0	1000		50000	3.4952E-05						
Strontium	0	0	100	0.002042	1000	0.002046					10000	0.002032
Thallium	0	0	100	0.0004944	1000	5.0186E-04					10000	5.0826E-04
Tin	0	0	50	0.001337	1000	0.0013876					5000	1.38292E-03
Titanium	0	0	100	0.0002257	1000	2.2509E-04					10000	2.2799E-04
Vanadium	0	0	100	0.0000531	1000	5.195E-05					10000	5.184E-05
Zinc	0	0	100	0.0074324	1000	0.0074891					10000	0.0073596

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2306002	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	10/31/12 9:57 10/31/12 10:30

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
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	6.347E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.4164E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	2.0483E-05										
Selenium												
Silver												
Sodium	100000	3.3448E-05	500000	3.327E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2306002	Instrument:	ME-ICP		
Matrix:	Water	Calibration Dates:	10/31/12 9:57	10/31/12 10:30	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	2.336925E-05	66.67065	6.327578	191.9377	1		0.998	
Antimony	3.7972E-04	67.00365	2.742203	164.2894	0.9999979		0.998	
Arsenic	1.850275E-04	67.0404	12.98957	189.1034	0.9999912		0.998	
Barium	6.06485E-03	66.68923	1.733573	160.3672	0.9999648		0.998	
Beryllium	1.948075E-03	66.68662	2.362205	148.8856	0.9999924		0.998	
Boron	1.3714E-05	66.66821	4.576588	161.3718	0.9999993		0.998	
Cadmium	0.0134095	66.73632	11.37602	195.8005	0.9999734		0.998	
Calcium	4.952405E-05	66.77707	3.492035	149.7924	0.9999763		0.998	
Chromium	4.176325E-05	66.7474	3.155877	133.3084	0.9999985		0.998	
Cobalt	3.864975E-03	66.67417	2.084228	180.4513	0.9999979		0.998	
Copper	4.2847E-05	66.84669	1.695617	47.59539	0.9999994		0.998	
Iron	1.898267E-05	66.78514	55.28954	198.2781	0.9999994		0.998	
Lead	0.0009905	66.69182	36.88296	198.1532	0.9999926		0.998	
Magnesium	1.85925E-06	66.71246	28.04274	197.0747	0.9999225		0.998	
Manganese	2.35225E-04	66.81214	4.75818	153.5887	0.9999814		0.998	
Molybdenum	2.953275E-03	66.6959	1.432232	175.5165	0.9999987		0.998	
Nickel	1.953575E-03	66.66751	57.23434	198.9781	0.9999998		0.998	
Potassium	1.473425E-05	66.93722	4.978975	163.3964	0.9999986		0.998	
Selenium	2.9403E-04	66.68304	4.859613	185.2569	0.9999938		0.998	
Silver	6.125625E-05	66.73329	7.224963	176.7889	0.9998923		0.998	
Sodium	2.54175E-05	66.73271	1.437315	105.9986	0.9999773		0.998	
Strontium	0.00153	66.66778	3.532275	164.0247	0.9999995		0.998	
Thallium	3.7613E-04	66.68367	3.065237	180.2704	0.9999992		0.998	
Tin	1.02688E-03	66.70373	4.59418	185.2149	0.9999991		0.998	
Titanium	1.69695E-04	66.67072	39.39672	197.1965	0.9999985		0.998	
Vanadium	3.92225E-05	66.68249	5.924148	174.8698	1		0.998	
Zinc	5.570275E-03	66.67346	1.619103	173.8876	0.9999971		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2306004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/1/12 9:11 11/1/12 9:44

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	2.9172E-05	10000	2.9166E-05			500000	2.9376E-05		
Antimony	0	0	100	0.0004489	1000	5.0246E-04					10000	4.8969E-04
Arsenic	0	0	100	0.0002242	1000	2.5088E-04					10000	2.3626E-04
Barium	0	0	50	0.0079216	1000	0.0076629	5000	0.0076752				
Beryllium	0	0	100	0.0024766	1000	0.0024883					10000	0.0024681
Boron	0	0	50	0.0000168	1000	1.701E-05					5000	1.7448E-05
Cadmium	0	0	100	0.017008	1000	0.017317					10000	0.016723
Calcium	0	0	1100	6.329091E-05	50000	6.162E-05					10000	
Chromium	0	0	100	0.0000537	1000	5.265E-05					10000	5.2963E-05
Cobalt	0	0	100	0.0049284	1000	0.004862					10000	0.0049467
Copper	0	0	100	0.0000575	1000	5.392E-05					10000	5.2012E-05
Iron	0	0	5100	2.425882E-05	10000	2.3625E-05			500000	2.279E-05	10000	
Lead	0	0	100	0.0012775	1000	0.0012388					10000	0.00127
Magnesium	0	0	5100		50000	2.3028E-06			500000	2.3958E-06	10000	
Manganese	0	0	100	0.0003007	1000	2.9749E-04	10000	2.9065E-04			10000	
Molybdenum	0	0	100	0.003626	1000	0.0037808					10000	0.0037555
Nickel	0	0	100	0.0025576	1000	0.0025213					10000	0.0024972
Potassium	0	0	1000	1.702E-05	10000	1.8825E-05						
Selenium	0	0	100	0.0003705	1000	3.7593E-04					10000	3.6539E-04
Silver	0	0	20	0.0000765	500	7.452E-05	2000	7.797E-05				
Sodium	0	0	1000		50000	4.8726E-05						
Strontium	0	0	100	0.001928	1000	0.001921					10000	0.001961
Thallium	0	0	100	7.109999E-04	1000	7.1091E-04					10000	7.3384E-04
Tin	0	0	50	0.0012576	1000	0.0013163					5000	1.31624E-03
Titanium	0	0	100	0.0002107	1000	2.1101E-04					10000	2.1862E-04
Vanadium	0	0	100	0.0000495	1000	4.965E-05					10000	4.9672E-05
Zinc	0	0	100	0.0069967	1000	0.0071447					10000	0.0070961

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2306004	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/1/12 9:11 11/1/12 9:44

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	6.162E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.35E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.9576E-05										
Selenium												
Silver												
Sodium	100000	4.8994E-05	500000	4.8442E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2306004		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	11/1/12 9:11	11/1/12 9:44

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	2.19285E-05	66.66816	7.38924	192.8359	1		0.998	
Antimony	3.602625E-04	66.96748	1.799185	153.619	0.9999888		0.998	
Arsenic	1.77835E-04	66.94829	2.66837	144.3362	0.9999533		0.998	
Barium	5.814925E-03	66.69815	3.89144	176.5029	0.9999997		0.998	
Beryllium	1.85825E-03	66.66816	6.817325	188.8554	0.9999993		0.998	
Boron	1.28145E-05	66.69994	2.824343	152.1375	0.999971		0.998	
Cadmium	0.012762	66.69375	6.087042	187.2895	0.9999879		0.998	
Calcium	4.663273E-05	66.68806	2.075755	100.2902	1		0.998	
Chromium	3.982825E-05	66.67583	3.187935	151.3818	0.9999995		0.998	
Cobalt	3.684275E-03	66.67398	2.07035	169.1117	0.9999969		0.998	
Copper	4.0858E-05	66.89876	0.7984575	40.06186	0.9999919		0.998	
Iron	1.766846E-05	66.75352	121.3636	199.3714	0.9999995		0.998	
Lead	9.46575E-04	66.69017	9.136515	189.6723	0.9999935		0.998	
Magnesium	1.76215E-06	66.70148	237.1596	199.517	0.9999811		0.998	
Manganese	2.2221E-04	66.69334	2.885467	152.4211	0.9999951		0.998	
Molybdenum	2.790575E-03	66.71093	10.27455	191.9797	0.9999992		0.998	
Nickel	1.894025E-03	66.67955	30.53849	198.0071	0.9999992		0.998	
Potassium	1.385525E-05	67.11468	2.882955	154.2585	0.9999926		0.998	
Selenium	2.77955E-04	66.68465	8.47821	179.7033	0.9999924		0.998	
Silver	5.72475E-05	66.71238	4.171745	169.3163	0.9998602		0.998	
Sodium	3.65405E-05	66.66952	3.056973	135.9396	0.9999951		0.998	
Strontium	0.0014525	66.67748	3.52575	161.0728	0.9999963		0.998	
Thallium	5.389375E-04	66.69671	3.130465	182.784	0.9999919		0.998	
Tin	9.72535E-04	66.7273	6.552587	185.284	0.9999999		0.998	
Titanium	1.600825E-04	66.70591	4.588923	189.4123	0.9999887		0.998	
Vanadium	3.72055E-05	66.66698	6.205618	171.1315	1		0.998	
Zinc	5.309375E-03	66.67676	13.43511	194.5045	0.9999994		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2310003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/5/12 10:25 11/5/12 10:59

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	2.6688E-05	10000	2.662E-05			500000	2.6436E-05		
Antimony	0	0	100	0.0005044	1000	5.542299E-04					10000	0.0005518
Arsenic	0	0	100	0.000292	1000	3.1764E-04					10000	3.0963E-04
Barium	0	0	50	0.009795	1000	9.533499E-03	5000	9.641999E-03				
Beryllium	0	0	100	0.0023416	1000	0.0023626					10000	0.0022386
Boron	0	0	50	0.000017	1000	1.889E-05					5000	1.8624E-05
Cadmium	0	0	100	0.015587	1000	0.015974					10000	0.01514
Calcium	0	0	1100	6.000909E-05	50000	5.8728E-05					10000	
Chromium	0	0	100	0.0000506	1000	4.865E-05					10000	4.8031E-05
Cobalt	0	0	100	0.0045356	1000	0.0045297					10000	0.0045476
Copper	0	0	100	0.0000885	1000	8.382E-05					10000	8.2641E-05
Iron	0	0	5100	2.258431E-05	10000	2.1892E-05			500000	2.0778E-05	10000	
Lead	0	0	100	0.0011805	1000	0.001149					10000	0.0011752
Magnesium	0	0	5100		50000	2.1106E-06			500000	2.119E-06	10000	
Manganese	0	0	100	0.0002898	1000	2.8129E-04	10000	2.7373E-04			10000	
Molybdenum	0	0	100	0.0033501	1000	0.003482					10000	0.00343
Nickel	0	0	100	0.0027797	1000	0.002767					10000	0.0027892
Potassium	0	0	1000	1.549E-05	10000	1.7173E-05						
Selenium	0	0	100	0.0003397	1000	3.4951E-04					10000	3.3767E-04
Silver	0	0	20	0.000072	500	0.0000683	2000	7.0865E-05				
Sodium	0	0	1000		50000	5.6534E-05						
Strontium	0	0	100	0.001807	1000	0.001811					10000	0.001729
Thallium	0	0	100	0.0006736	1000	6.6092E-04					10000	6.7276E-04
Tin	0	0	50	0.0011654	1000	0.0012114					5000	1.21048E-03
Titanium	0	0	100	0.0001966	1000	1.9955E-04					10000	1.9498E-04
Vanadium	0	0	100	0.0000471	1000	4.668E-05					10000	4.5791E-05
Zinc	0	0	100	0.0064022	1000	0.0065373					10000	0.0064291

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2310003	Instrument:	ME-ICP
Matrix:	Water	Calibration Dates:	11/5/12 10:25 11/5/12 10:59

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	5.4376E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.0601E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.7505E-05										
Selenium												
Silver												
Sodium	100000	5.6985E-05	500000	5.7022E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC		SDG:	Kirtland_066	
Client:	Shaw E & I (I700)		Project:	Kirtland AFB 2011	
Calibration:	2310003		Instrument:	ME-ICP	
Matrix:	Water		Calibration Dates:	11/5/12 10:25	11/5/12 10:59

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	1.9936E-05	66.66881	3.686372	170.4935	1		0.998	
Antimony	4.026075E-04	66.90969	4.219778	173.1431	0.9999987		0.998	
Arsenic	2.298175E-04	66.82936	5.651908	187.4137	0.999991		0.998	
Barium	7.242625E-03	66.68312	1.673348	159.7926	0.9999939		0.998	
Beryllium	0.0017357	66.73973	14.52655	187.6801	0.9999712		0.998	
Boron	1.36285E-05	66.94785	5.428805	182.9974	0.9999879		0.998	
Cadmium	1.167525E-02	66.73053	1.849755	168.4684	0.999971		0.998	
Calcium	4.327827E-05	66.89901	3.722817	149.7008	0.9999375		0.998	
Chromium	3.682025E-05	66.73293	3.098853	151.8281	0.9999988		0.998	
Cobalt	3.403225E-03	66.66703	4.422985	182.531	0.9999998		0.998	
Copper	6.374025E-05	66.78475	1.159945	38.74001	0.9999993		0.998	
Iron	1.631358E-05	66.82252	216.9895	199.1373	0.9999991		0.998	
Lead	8.76175E-04	66.68519	5.12007	183.4154	0.9999947		0.998	
Magnesium	1.572425E-06	66.68719	16.58284	193.7635	0.9999663		0.998	
Manganese	2.11205E-04	66.73908	4.455255	146.6447	0.9999935		0.998	
Molybdenum	2.565525E-03	66.70019	10.63434	193.3052	0.9999973		0.998	
Nickel	2.083975E-03	66.6681	33.28571	198.4523	0.9999994		0.998	
Potassium	1.2542E-05	67.03663	2.491585	184.9191	0.9999991		0.998	
Selenium	2.5672E-04	66.69707	38.81475	197.8549	0.9999879		0.998	
Silver	5.279125E-05	66.7311	5.564945	167.8824	0.9999029		0.998	
Sodium	4.263525E-05	66.6687	36.16057	197.9317	0.9999993		0.998	
Strontium	1.33675E-03	66.72645	2.7258	128.5972	0.9999787		0.998	
Thallium	5.0182E-04	66.67665	31.16792	197.216	0.999997		0.998	
Tin	8.9682E-04	66.70964	6.84442	190.3631	0.9999998		0.998	
Titanium	1.477825E-04	66.67896	14.21825	189.4765	0.9999945		0.998	
Vanadium	3.489275E-05	66.68501	7.14251	177.1764	0.9999967		0.998	
Zinc	4.84215E-03	66.67757	5.621252	187.0873	0.9999971		0.998	

INITIAL CALIBRATION DATA

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2312006	Instrument:	ME-ICP
Matrix:	Solid	Calibration Dates:	11/7/12 8:34 11/7/12 9:13

Compound	Level 01		Level 02		Level 03		Level 04		Level 05		Level 06	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum	0	0	5000	3.0146E-05	10000	3.0045E-05			500000	2.982E-05		
Antimony	0	0	100	0.0005882	1000	6.2112E-04					10000	6.0829E-04
Arsenic	0	0	100	0.0003339	1000	3.5368E-04					10000	3.4183E-04
Barium	0	0	50	0.0112096	1000	0.010729	5000	0.0109968				
Beryllium	0	0	100	0.0025024	1000	0.0025298					10000	0.0024145
Boron	0	0	50	0.0000202	1000	2.194E-05					5000	2.158E-05
Cadmium	0	0	100	0.018092	1000	0.017905					10000	0.016986
Calcium	0	0	1100	6.533636E-05	50000	6.4218E-05					10000	
Chromium	0	0	100	0.0000547	1000	0.0000538					10000	5.2645E-05
Cobalt	0	0	100	0.0051679	1000	0.0050065					10000	0.0050646
Copper	0	0	100	0.000103	1000	9.513E-05					10000	9.4559E-05
Iron	0	0	5100	2.508431E-05	10000	2.4342E-05			500000	2.3228E-05	10000	
Lead	0	0	100	0.0013541	1000	0.0012738					10000	0.0013038
Magnesium	0	0	5100		50000	2.4582E-06			500000	2.4534E-06	10000	
Manganese	0	0	100	0.0003052	1000	3.1029E-04	10000	2.9012E-04			10000	
Molybdenum	0	0	100	0.0037801	1000	0.0038806					10000	0.0037822
Nickel	0	0	100	0.0031951	1000	0.0031152					10000	0.0031049
Potassium	0	0	1000	0.0000177	10000	1.9403E-05						
Selenium	0	0	100	0.0003745	1000	3.8209E-04					10000	3.6479E-04
Silver	0	0	20	0.000081	500	7.782E-05	2000	3.6365E-05				
Sodium	0	0	1000		50000	6.6348E-05						
Strontium	0	0	100	0.001928	1000	0.001938					10000	0.001883
Thallium	0	0	100	0.0007772	1000	7.5176E-04					10000	0.0007616
Tin	0	0	50	0.0013052	1000	0.0013457					5000	1.32716E-03
Titanium	0	0	100	0.000212	1000	2.1476E-04					10000	2.1087E-04
Vanadium	0	0	100	0.00005	1000	0.0000512					10000	4.8968E-05
Zinc	0	0	100	0.0073517	1000	0.0073443					10000	0.0071791

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Calibration:	2312006	Instrument:	ME-ICP
Matrix:	Solid	Calibration Dates:	11/7/12 8:34 11/7/12 9:13

Compound	Level 07		Level 08		Level 09		Level 10		Level 11		Level 12	
	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF	ug/L	RF
Aluminum												
Antimony												
Arsenic												
Barium												
Beryllium												
Boron												
Cadmium												
Calcium	100000		500000	5.946E-05								
Chromium												
Cobalt												
Copper												
Iron												
Lead												
Magnesium			100000	2.3532E-06								
Manganese												
Molybdenum												
Nickel												
Potassium	100000	1.9707E-05										
Selenium												
Silver												
Sodium	100000	6.572E-05	500000	6.5632E-05								
Strontium												
Thallium												
Tin												
Titanium												
Vanadium												
Zinc												

INITIAL CALIBRATION DATA (Continued)

SW6010B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066		
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011		
Calibration:	2312006	Instrument:	ME-ICP		
Matrix:	Solid	Calibration Dates:	11/7/12 8:34	11/7/12 9:13	

Compound	Mean RF	RF RSD	Mean RT	RT RSD	Linear r	Quad COD	LIMIT	Q
Aluminum	2.250275E-05	66.66941	6.297552	177.9046	1		0.998	
Antimony	4.544025E-04	66.7333	1.75744	170.2904	0.9999934		0.998	
Arsenic	2.573525E-04	66.74143	4.460012	172.8563	0.9999862		0.998	
Barium	8.23385E-03	66.70943	1.393338	154.5086	0.9999727		0.998	
Beryllium	1.861675E-03	66.719	130.9146	199.0333	0.9999785		0.998	
Boron	1.593E-05	66.83268	2.981355	164.3132	0.9999852		0.998	
Cadmium	1.324575E-02	66.76647	2.301642	179.8656	0.9999735		0.998	
Calcium	4.725359E-05	66.88434	1.706785	103.4412	0.9999375		0.998	
Chromium	4.028625E-05	66.69935	2.951363	164.6325	0.999996		0.998	
Cobalt	3.80975E-03	66.68968	4.147078	185.4212	0.9999984		0.998	
Copper	7.317225E-05	66.87415	0.7728175	113.832	0.9999999		0.998	
Iron	1.816358E-05	66.79883	50.0348	198.5091	0.9999993		0.998	
Lead	9.829249E-04	66.75182	8.525042	188.9105	0.9999934		0.998	
Magnesium	1.8162E-06	66.71992	20.41311	196.41	0.9999218		0.998	
Manganese	2.264025E-04	66.77391	3.236482	160.0701	0.9999545		0.998	
Molybdenum	2.860725E-03	66.68681	7.589122	194.1371	0.9999931		0.998	
Nickel	0.0023538	66.68866	20.01702	197.1891	0.9999999		0.998	
Potassium	1.42025E-05	66.95609	9.681478	185.4477	0.9999996		0.998	
Selenium	2.80345E-04	66.71449	42.69289	196.2405	0.9999785		0.998	
Silver	4.879625E-05	78.61795	5.005813	125.8107	0.9141205		0.998	*
Sodium	4.9425E-05	66.66979	1.763	104.4277	0.999999		0.998	
Strontium	1.43725E-03	66.68744	2.434825	143.8347	0.9999917		0.998	
Thallium	5.7264E-04	66.69176	3.688995	185.2079	0.9999981		0.998	
Tin	9.94515E-04	66.68744	1.325652	119.7959	0.9999903		0.998	
Titanium	1.594075E-04	66.67455	16.28718	194.5126	0.9999966		0.998	
Vanadium	3.7542E-05	66.71092	3.721955	151.8899	0.9999803		0.998	
Zinc	5.468775E-03	66.68258	6.079052	190.5266	0.9999952		0.998	

Data for Wet Chemistry Forms

Sample Extraction Data

Prep Method: pNone-SM4500S2CF

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-03 [GW0808]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210178-05 [GW0809]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210178-07 [GW0810]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210178-09 [GW0811]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210178-11 [GW0825]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210178-13 [GW0826]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210178-15 [GW0827]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210178-23 [GW0861]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210178-25 [GW0862]	2J18005	250.00/200.00	270	200	1.00		10/18/12
1210178-27 [GW0863]	2J18005	250.00/200.00	270	200	1.00		10/18/12

Sample Extraction Data

Prep Method: pNone-SM4500S2CF

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2J23010	250.00/200.00	270	200	1.00		10/23/12
1210178-17 [GW0855]	2J23010	250.00/200.00	270	200	1.00		10/23/12
1210178-19 [GW0856]	2J23010	250.00/200.00	270	200	1.00		10/23/12
1210178-21 [GW0857]	2J23010	250.00/200.00	270	200	1.00		10/23/12

Sample Extraction Data

Prep Method: pNone-SM4500S2CF

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-01 [GW0774]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-03 [GW0789]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-05 [GW0790]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-07 [GW0791]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-09 [GW0799]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-11 [GW0800]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-13 [GW0801]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-15 [GW0854]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-17 [GW0864]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-19 [GW0865]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-21 [GW0866]	2J24012	250.00/200.00	270	200	1.00		10/24/12
1210200-23 [GW0867]	2J24012	250.00/200.00	270	200	1.00		10/24/12

Sample Extraction Data

Prep Method: pNone-E300.0

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-03 [GW0808]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-05 [GW0809]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-07 [GW0810]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-09 [GW0811]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-11 [GW0825]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-13 [GW0826]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-15 [GW0827]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-17 [GW0855]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-19 [GW0856]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-21 [GW0857]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-23 [GW0861]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-25 [GW0862]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12
1210178-27 [GW0863]	2J26023	5.00/5.00	5.00	5.00	1.00		10/26/12

Sample Extraction Data

Prep Method: pNone-SM2320B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-05 [GW0809]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-07 [GW0810]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-09 [GW0811]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-11 [GW0825]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-13 [GW0826]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-15 [GW0827]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-17 [GW0855]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-19 [GW0856]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-21 [GW0857]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-23 [GW0861]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-25 [GW0862]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12
1210178-27 [GW0863]	2J27909	25.00/25.00	25.0	25.0	1.00		10/27/12

Sample Extraction Data

Prep Method: pNone-SM2320B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210178-03 [GW0808]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210200-07 [GW0791]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210200-09 [GW0799]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210200-11 [GW0800]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210200-13 [GW0801]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210200-15 [GW0854]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210200-17 [GW0864]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210200-19 [GW0865]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210200-21 [GW0866]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12
1210200-23 [GW0867]	2J28919	25.00/25.00	25.0	25.0	1.00		10/28/12

Sample Extraction Data

Prep Method: pNone-SM4500NH3BG

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-03 [GW0808]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-05 [GW0809]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-07 [GW0810]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-09 [GW0811]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-11 [GW0825]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-13 [GW0826]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-15 [GW0827]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-17 [GW0855]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-19 [GW0856]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-21 [GW0857]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-23 [GW0861]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-25 [GW0862]	2J29940	100.00/100.00	100	100	1.00		10/29/12
1210178-27 [GW0863]	2J29940	100.00/100.00	100	100	1.00		10/29/12

Sample Extraction Data

Prep Method: pNone-SM2320B

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-01 [GW0774]	2J30324	25.00/25.00	25.0	25.0	1.00		10/30/12
1210200-03 [GW0789]	2J30324	25.00/25.00	25.0	25.0	1.00		10/30/12
1210200-05 [GW0790]	2J30324	25.00/25.00	25.0	25.0	1.00		10/30/12

Sample Extraction Data

Prep Method: pNone-E353.2

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-03 [GW0808]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210178-05 [GW0809]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210178-07 [GW0810]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210178-09 [GW0811]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210178-11 [GW0825]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210178-13 [GW0826]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210178-15 [GW0827]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12
1210178-17 [GW0855]	2J30423	20.00/20.00	4.00	20.0	1.00		10/30/12

Sample Extraction Data

Prep Method: pNone-SM4500NH3BG

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2J31024	100.00/100.00	100	100	1.00		10/31/12

Sample Extraction Data

Prep Method: pNone-E300.0

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-01 [GW0774]	2J31029	5.00/5.00	5.00	5.00	1.00		10/31/12
1210200-03 [GW0789]	2J31029	5.00/5.00	5.00	5.00	1.00		10/31/12

Sample Extraction Data

Prep Method: pNone-E353.2

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-01 [GW0754]	2K01023	20.00/20.00	4.00	20.0	1.00		11/01/12
1210178-19 [GW0856]	2K01023	20.00/20.00	4.00	20.0	1.00		11/01/12
1210178-21 [GW0857]	2K01023	20.00/20.00	4.00	20.0	1.00		11/01/12
1210178-23 [GW0861]	2K01023	20.00/20.00	4.00	20.0	1.00		11/01/12
1210178-25 [GW0862]	2K01023	20.00/20.00	4.00	20.0	1.00		11/01/12
1210178-27 [GW0863]	2K01023	20.00/20.00	4.00	20.0	1.00		11/01/12

Sample Extraction Data

Prep Method: pNone-E300.0

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210178-23RE1 [GW0861]	2K01024	5.00/5.00	5.00	5.00	2.00		10/26/12
1210178-25RE1 [GW0862]	2K01024	5.00/5.00	5.00	5.00	2.00		10/26/12

Sample Extraction Data

Prep Method: pNone-E300.0

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-05 [GW0790]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12
1210200-07 [GW0791]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12
1210200-09 [GW0799]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12
1210200-11 [GW0800]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12
1210200-13 [GW0801]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12
1210200-15 [GW0854]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12
1210200-17 [GW0864]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12
1210200-19 [GW0865]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12
1210200-21 [GW0866]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12
1210200-23 [GW0867]	2K05015	5.00/5.00	5.00	5.00	1.00		11/05/12

Sample Extraction Data

Prep Method: pNone-E353.2

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-01 [GW0774]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-03RE1 [GW0789]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-05RE1 [GW0790]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-07 [GW0791]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-09 [GW0799]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-11 [GW0800]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-13 [GW0801]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-15 [GW0854]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-17 [GW0864]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-19 [GW0865]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-21 [GW0866]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12
1210200-23 [GW0867]	2K05024	20.00/20.00	4.00	20.0	1.00		11/05/12

Sample Extraction Data

Prep Method: pNone-SM4500NH3BG

Lab Number [Field ID]	Batch	Nominal Initial/Final	Initial [mL]	Final [mL]	Dilution	% Solids	Date
1210200-01 [GW0774]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-03 [GW0789]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-05 [GW0790]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-07 [GW0791]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-09 [GW0799]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-11 [GW0800]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-13 [GW0801]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-15 [GW0854]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-17 [GW0864]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-19 [GW0865]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-21 [GW0866]	2K06002	100.00/100.00	100	100	1.00		11/06/12
1210200-23 [GW0867]	2K06002	100.00/100.00	100	100	1.00		11/06/12

ANALYSIS DATA SHEET

GW0754

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-01
Sampled:	10/16/12 16:26	Received:	10/17/12 08:10
% 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	2J31024	10/31/12 13:56
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J23010	10/23/12 19:02
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**153**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 10:04
16887-00-6	Chloride	**14.7**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/26/12 20:45
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2K01023	11/01/12 13:26
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 10:04
14808-79-8	Sulfate as SO4	**31.6**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/26/12 20:45

ANALYSIS DATA SHEET

GW0808

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-03
Sampled:	10/16/12 16:09	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**0.271**	0.110	0.150	0.300	1	J	SM4500NH3BG	2J29940	10/29/12 15:07
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:19
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**115**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 10:12
16887-00-6	Chloride	**14.0**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/26/12 20:27
NA	Nitrate/Nitrite as N	**0.306**	0.250	0.750	1.50	1	J	E353.2	2J30423	10/30/12 13:47
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 10:12
14808-79-8	Sulfate as SO4	**36.1**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/26/12 20:27

ANALYSIS DATA SHEET

GW0809

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-05
Sampled:	10/16/12 13:59	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:08
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:20
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**120**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 07:56
16887-00-6	Chloride	**12.0**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/26/12 22:29
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:48
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 07:56
14808-79-8	Sulfate as SO4	**37.0**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/26/12 22:29

ANALYSIS DATA SHEET

GW0810

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-07
Sampled:	10/16/12 13:59	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:09
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:21
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**118**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 08:06
16887-00-6	Chloride	**11.9**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/26/12 22:47
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:49
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 08:06
14808-79-8	Sulfate as SO4	**36.9**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/26/12 22:47

ANALYSIS DATA SHEET

GW0811

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-09
Sampled:	10/16/12 11:32	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:09
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:22
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**112**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 08:19
16887-00-6	Chloride	**9.45**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/26/12 23:04
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:51
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 08:19
14808-79-8	Sulfate as SO4	**34.0**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/26/12 23:04

ANALYSIS DATA SHEET

GW0825

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-11
Sampled:	10/15/12 15:54	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:10
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:23
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**137**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 08:26
16887-00-6	Chloride	**25.8**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/26/12 23:22
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:52
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 08:26
14808-79-8	Sulfate as SO4	**51.7**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/26/12 23:22

ANALYSIS DATA SHEET

GW0826

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-13
Sampled:	10/15/12 11:13	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:11
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:24
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**105**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 08:34
16887-00-6	Chloride	**9.25**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/26/12 23:39
NA	Nitrate/Nitrite as N	**0.312**	0.250	0.750	1.50	1	J	E353.2	2J30423	10/30/12 13:54
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 08:34
14808-79-8	Sulfate as SO4	**32.2**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/26/12 23:39

ANALYSIS DATA SHEET

GW0827

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-15
Sampled:	10/15/12 13:37	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:12
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:25
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**131**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 08:45
16887-00-6	Chloride	**17.6**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/26/12 23:56
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:55
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 08:45
14808-79-8	Sulfate as SO4	**46.1**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/26/12 23:56

ANALYSIS DATA SHEET

GW0855

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-17
Sampled:	10/16/12 14:01	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:13
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J23010	10/23/12 19:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**103**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 08:54
16887-00-6	Chloride	**9.97**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/27/12 01:58
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2J30423	10/30/12 13:57
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 08:54
14808-79-8	Sulfate as SO4	**34.1**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/27/12 01:58

ANALYSIS DATA SHEET

GW0856

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-19
Sampled:	10/16/12 14:01	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:14
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J23010	10/23/12 19:06
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**106**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 09:00
16887-00-6	Chloride	**10.1**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/27/12 02:16
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2K01023	11/01/12 13:31
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 09:00
14808-79-8	Sulfate as SO4	**34.4**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/27/12 02:16

ANALYSIS DATA SHEET

GW0857

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-21
Sampled:	10/16/12 11:28	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:17
18496-25-8	Sulfide	**1.00**	0.741	1.85	3.70	1	J	SM4500S2CF	2J23010	10/23/12 19:07
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**99.7**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 09:06
16887-00-6	Chloride	**7.32**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/27/12 02:33
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	U	E353.2	2K01023	11/01/12 13:32
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 09:06
14808-79-8	Sulfate as SO4	**28.8**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/27/12 02:33

ANALYSIS DATA SHEET

GW0861

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-23
Sampled:	10/15/12 16:23	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:18
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:26
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**84.8**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 09:15
16887-00-6	Chloride	**96.1**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/27/12 02:51
NA	Nitrate/Nitrite as N	**3.80**	0.250	0.750	1.50	1		E353.2	2K01023	11/01/12 13:34
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 09:15
14808-79-8	Sulfate as SO4	**172**	0.660	2.00	5.00	2	M D	E300.0	2K01024	11/01/12 19:40

ANALYSIS DATA SHEET

GW0862

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-25
Sampled:	10/15/12 13:40	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:19
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:27
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**77.5**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 09:20
16887-00-6	Chloride	**96.6**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/27/12 03:08
NA	Nitrate/Nitrite as N	**3.78**	0.250	0.750	1.50	1		E353.2	2K01023	11/01/12 13:35
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 09:20
14808-79-8	Sulfate as SO4	**165**	0.660	2.00	5.00	2	M D	E300.0	2K01024	11/01/12 19:58

ANALYSIS DATA SHEET

GW0863

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210178-27
Sampled:	10/15/12 11:03	Received:	10/17/12 08:10
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:20
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J18005	10/18/12 14:28
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**98.5**	1.00	1.00	1.00	1		SM2320B	2J27909	10/27/12 09:25
16887-00-6	Chloride	**11.9**	0.170	0.330	1.00	1	M	E300.0	2J26023	10/27/12 00:14
NA	Nitrate/Nitrite as N	**0.558**	0.250	0.750	1.50	1	J	E353.2	2K01023	11/01/12 13:36
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 09:25
14808-79-8	Sulfate as SO4	**33.6**	0.330	1.00	2.50	1	M	E300.0	2J26023	10/27/12 00:14

ANALYSIS DATA SHEET

GW0774

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-01
Sampled:	10/18/12 15:43	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:43
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:00
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**124**	1.00	1.00	1.00	1		SM2320B	2J30324	10/30/12 08:02
16887-00-6	Chloride	**16.6**	0.170	0.330	0.500	1		E300.0	2J31029	11/01/12 00:26
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:22
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J30324	10/30/12 08:02
14808-79-8	Sulfate as SO4	**40.8**	0.330	1.00	2.50	1	M	E300.0	2J31029	11/01/12 00:26

ANALYSIS DATA SHEET

GW0789

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-03
Sampled:	10/18/12 15:34	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:44
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:00
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**91.6**	1.00	1.00	1.00	1		SM2320B	2J30324	10/30/12 08:07
16887-00-6	Chloride	**13.3**	0.170	0.330	0.500	1		E300.0	2J31029	11/01/12 04:30
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/07/12 12:38
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J30324	10/30/12 08:07
14808-79-8	Sulfate as SO4	**32.3**	0.330	1.00	2.50	1	M	E300.0	2J31029	11/01/12 04:30

ANALYSIS DATA SHEET

GW0790

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-05
Sampled:	10/18/12 13:33	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:45
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:01
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**106**	1.00	1.00	1.00	1		SM2320B	2J30324	10/30/12 08:14
16887-00-6	Chloride	**9.46**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 19:54
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/07/12 12:39
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J30324	10/30/12 08:14
14808-79-8	Sulfate as SO4	**29.0**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 19:54

ANALYSIS DATA SHEET

GW0791

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-07
Sampled:	10/18/12 11:09	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:46
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:01
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**105**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 10:40
16887-00-6	Chloride	**8.66**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 20:11
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:29
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 10:40
14808-79-8	Sulfate as SO4	**29.6**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 20:11

ANALYSIS DATA SHEET

GW0799

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-09
Sampled:	10/17/12 16:07	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:47
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:02
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**186**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 10:48
16887-00-6	Chloride	**8.63**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 20:28
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:31
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 10:48
14808-79-8	Sulfate as SO4	**27.1**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 20:28

ANALYSIS DATA SHEET

GW0800

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-11
Sampled:	10/17/12 13:35	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:48
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:02
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**112**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 11:00
16887-00-6	Chloride	**7.87**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 20:46
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:32
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 11:00
14808-79-8	Sulfate as SO4	**28.2**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 20:46

ANALYSIS DATA SHEET

GW0801

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-13
Sampled:	10/17/12 11:06	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:49
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:03
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**103**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 11:11
16887-00-6	Chloride	**6.97**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 21:03
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:34
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 11:11
14808-79-8	Sulfate as SO4	**27.7**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 21:03

ANALYSIS DATA SHEET

GW0854

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-15
Sampled:	10/18/12 12:49	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:50
18496-25-8	Sulfide	**0.741**	0.741	1.85	3.70	1	J	SM4500S2CF	2J24012	10/24/12 16:03
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**124**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 11:17
16887-00-6	Chloride	**18.3**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 21:21
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:35
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 11:17
14808-79-8	Sulfate as SO4	**37.6**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 21:21

ANALYSIS DATA SHEET

GW0864

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-17
Sampled:	10/17/12 16:11	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:50
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:04
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**108**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 11:21
16887-00-6	Chloride	**9.90**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 21:38
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:37
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 11:21
14808-79-8	Sulfate as SO4	**29.4**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 21:38

ANALYSIS DATA SHEET

GW0865

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-19
Sampled:	10/17/12 13:23	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:51
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:04
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**151**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 11:25
16887-00-6	Chloride	**9.59**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 23:23
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:38
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 11:25
14808-79-8	Sulfate as SO4	**28.9**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 23:23

ANALYSIS DATA SHEET

GW0866

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-21
Sampled:	10/17/12 13:23	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:54
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 16:05
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**107**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 11:33
16887-00-6	Chloride	**9.60**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 23:40
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:42
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 11:33
14808-79-8	Sulfate as SO4	**28.9**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 23:40

ANALYSIS DATA SHEET

GW0867

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water	Laboratory ID:	1210200-23
Sampled:	10/17/12 10:41	Received:	10/19/12 17:15
% Solids:	0.00		

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N		0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:55
18496-25-8	Sulfide		0.741	1.85	3.70	1	U	SM4500S2CF	2J24012	10/24/12 17:30
71-52-3	Alkalinity, Bicarbonate (as CACO3)	**105**	1.00	1.00	1.00	1		SM2320B	2J28919	10/28/12 11:40
16887-00-6	Chloride	**7.99**	0.170	0.330	1.00	1	M	E300.0	2K05015	11/05/12 23:57
NA	Nitrate/Nitrite as N		0.250	0.750	1.50	1	Q U	E353.2	2K05024	11/05/12 14:44
3812-32-6	Alkalinity, Carbonate (as CACO3)		1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 11:40
14808-79-8	Sulfate as SO4	**28.8**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 23:57

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J18005-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	ND	0.800	2.00	4.00	1	U	SM4500S2CF	2J18005	10/18/12 14:06

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J18005-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1134**	83.3	208	417	1		SM4500S2CF	2J18005	10/18/12 14:05

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J23010-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	ND	0.800	2.00	4.00	1	U	SM4500S2CF	2J23010	10/23/12 19:01

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J23010-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1117**	83.3	208	417	1		SM4500S2CF	2J23010	10/23/12 19:00

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J23010-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1296**	90.0	225	450	1		SM4500S2CF	2J23010	10/23/12 19:03

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J23010-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1314**	90.0	225	450	1		SM4500S2CF	2J23010	10/23/12 19:04

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24012-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	ND	0.800	2.00	4.00	1	U	SM4500S2CF	2J24012	10/24/12 15:53

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24012-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1184**	83.3	208	417	1		SM4500S2CF	2J24012	10/24/12 15:53

ANALYSIS DATA SHEET

LCS Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J24012-BSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
18496-25-8	Sulfide	**1100**	83.3	208	417	1		SM4500S2CF	2J24012	10/24/12 15:53

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J26023-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	ND	0.170	0.330	0.500	1	U	E300.0	2J26023	10/26/12 18:43
14808-79-8	Sulfate as SO4	ND	0.330	1.00	2.00	1	U	E300.0	2J26023	10/26/12 18:43

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J26023-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**4.523**	0.170	0.330	0.500	1		E300.0	2J26023	10/26/12 18:25
14808-79-8	Sulfate as SO4	**23.51**	0.330	1.00	2.00	1		E300.0	2J26023	10/26/12 18:25

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J26023-DUP1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**14.72**	0.170	0.330	0.500	1		E300.0	2J26023	10/26/12 21:37
14808-79-8	Sulfate as SO4	**31.62**	0.330	1.00	2.00	1		E300.0	2J26023	10/26/12 21:37

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J26023-DUP2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**11.86**	0.170	0.330	0.500	1		E300.0	2J26023	10/27/12 01:06
14808-79-8	Sulfate as SO4	**33.50**	0.330	1.00	2.00	1		E300.0	2J26023	10/27/12 01:06

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J26023-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**41.86**	0.189	0.367	0.556	1		E300.0	2J26023	10/26/12 21:02
14808-79-8	Sulfate as SO4	**60.61**	0.367	1.11	2.22	1		E300.0	2J26023	10/26/12 21:02

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J26023-MS2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**39.36**	0.189	0.367	0.556	1		E300.0	2J26023	10/27/12 00:31
14808-79-8	Sulfate as SO4	**62.54**	0.367	1.11	2.22	1		E300.0	2J26023	10/27/12 00:31

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J26023-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**41.64**	0.189	0.367	0.556	1		E300.0	2J26023	10/26/12 21:20
14808-79-8	Sulfate as SO4	**60.53**	0.367	1.11	2.22	1		E300.0	2J26023	10/26/12 21:20

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Matrix: Water
Laboratory ID: 2J26023-MSD2
% Solids: 0.00

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**39.31**	0.189	0.367	0.556	1		E300.0	2J26023	10/27/12 00:49
14808-79-8	Sulfate as SO4	**62.68**	0.367	1.11	2.22	1		E300.0	2J26023	10/27/12 00:49

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J27909-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	ND	1.00	1.00	1.00	1	U	SM2320B	2J27909	10/27/12 06:38

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J27909-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**1017**	5.00	5.00	5.00	1		SM2320B	2J27909	10/27/12 06:35

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J28919-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	ND	1.00	1.00	1.00	1	U	SM2320B	2J28919	10/28/12 08:55

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J28919-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**1017**	5.00	5.00	5.00	1		SM2320B	2J28919	10/28/12 08:52

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J28919-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**267.3**	1.11	1.11	1.11	1		SM2320B	2J28919	10/28/12 08:59

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J28919-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**266.4**	1.11	1.11	1.11	1		SM2320B	2J28919	10/28/12 09:09

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J29940-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	ND	0.110	0.150	0.300	1	U	SM4500NH3BG	2J29940	10/29/12 15:02

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J29940-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**4.833**	0.110	0.150	0.300	1		SM4500NH3BG	2J29940	10/29/12 15:03

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J30324-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	ND	1.00	1.00	1.00	1	U	SM2320B	2J30324	10/30/12 07:50

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J30324-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**1021**	5.00	5.00	5.00	1		SM2320B	2J30324	10/30/12 07:45

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J30324-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**237.2**	1.11	1.11	1.11	1		SM2320B	2J30324	10/30/12 07:52

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J30324-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
471-34-1	Alkalinity, Total (as CACO3)	**237.2**	1.11	1.11	1.11	1		SM2320B	2J30324	10/30/12 07:57

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J30423-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	ND	0.0500	0.150	0.300	1	U	E353.2	2J30423	10/30/12 13:19

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J30423-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**14.98**	1.00	3.00	6.00	1		E353.2	2J30423	10/30/12 13:20

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31024-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**0.130**	0.110	0.150	0.300	1	J	SM4500NH3BG	2J31024	10/31/12 13:55

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31024-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**4.944**	0.110	0.150	0.300	1		SM4500NH3BG	2J31024	10/31/12 13:55

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J31024-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**5.188**	0.110	0.150	0.300	1		SM4500NH3BG	2J31024	10/31/12 13:57

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J31024-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**5.099**	0.110	0.150	0.300	1		SM4500NH3BG	2J31024	10/31/12 13:58

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31029-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	ND	0.170	0.330	0.500	1	U	E300.0	2J31029	11/01/12 02:28
14808-79-8	Sulfate as SO4	ND	0.330	1.00	2.00	1	U	E300.0	2J31029	11/01/12 02:28

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31029-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**4.600**	0.170	0.330	0.500	1		E300.0	2J31029	11/01/12 02:11
14808-79-8	Sulfate as SO4	**22.27**	0.330	1.00	2.00	1		E300.0	2J31029	11/01/12 02:11

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31029-DUP1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**16.54**	0.170	0.330	0.500	1		E300.0	2J31029	11/01/12 01:19
14808-79-8	Sulfate as SO4	**40.18**	0.330	1.00	2.00	1		E300.0	2J31029	11/01/12 01:19

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31029-DUP2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**13.37**	0.170	0.330	0.500	1		E300.0	2J31029	11/01/12 05:22
14808-79-8	Sulfate as SO4	**32.31**	0.330	1.00	2.00	1		E300.0	2J31029	11/01/12 05:22

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J31029-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**44.80**	0.189	0.367	0.556	1		E300.0	2J31029	11/01/12 00:44
14808-79-8	Sulfate as SO4	**68.21**	0.367	1.11	2.22	1		E300.0	2J31029	11/01/12 00:44

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2J31029-MS2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**41.46**	0.189	0.367	0.556	1		E300.0	2J31029	11/01/12 04:48
14808-79-8	Sulfate as SO4	**60.57**	0.367	1.11	2.22	1		E300.0	2J31029	11/01/12 04:48

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31029-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**44.26**	0.189	0.367	0.556	1		E300.0	2J31029	11/01/12 01:01
14808-79-8	Sulfate as SO4	**66.96**	0.367	1.11	2.22	1		E300.0	2J31029	11/01/12 01:01

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31029-MSD2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**41.70**	0.189	0.367	0.556	1		E300.0	2J31029	11/01/12 05:05
14808-79-8	Sulfate as SO4	**60.25**	0.367	1.11	2.22	1		E300.0	2J31029	11/01/12 05:05

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K01023-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	ND	0.0500	0.150	0.300	1	U	E353.2	2K01023	11/01/12 13:23

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K01023-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**15.26**	1.00	3.00	6.00	1		E353.2	2K01023	11/01/12 13:25

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2K01023-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**2.634**	0.250	0.750	1.50	1		E353.2	2K01023	11/01/12 13:28

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K01023-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**2.627**	0.250	0.750	1.50	1		E353.2	2K01023	11/01/12 13:29

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K01024-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
14808-79-8	Sulfate as SO4	ND	0.330	1.00	2.00	1	U	E300.0	2K01024	11/01/12 19:23

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K01024-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
14808-79-8	Sulfate as SO4	**23.50**	0.660	2.00	4.00	1		E300.0	2K01024	11/01/12 18:48

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K05015-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	ND	0.170	0.330	0.500	1	U	E300.0	2K05015	11/05/12 19:36
14808-79-8	Sulfate as SO4	ND	0.330	1.00	2.00	1	U	E300.0	2K05015	11/05/12 19:36

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K05015-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**5.207**	0.170	0.330	0.500	1		E300.0	2K05015	11/05/12 19:01
14808-79-8	Sulfate as SO4	**23.97**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 19:01

ANALYSIS DATA SHEET

Duplicate

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2K05015-DUP1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**9.949**	0.170	0.330	0.500	1		E300.0	2K05015	11/05/12 22:30
14808-79-8	Sulfate as SO4	**29.46**	0.330	1.00	2.00	1		E300.0	2K05015	11/05/12 22:30

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K05015-MS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**37.59**	0.189	0.367	0.556	1		E300.0	2K05015	11/05/12 21:55
14808-79-8	Sulfate as SO4	**57.45**	0.367	1.11	2.22	1		E300.0	2K05015	11/05/12 21:55

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2K05015-MSD1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
16887-00-6	Chloride	**37.98**	0.189	0.367	0.556	1		E300.0	2K05015	11/05/12 22:13
14808-79-8	Sulfate as SO4	**57.66**	0.367	1.11	2.22	1		E300.0	2K05015	11/05/12 22:13

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K05024-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	ND	0.0500	0.150	0.300	1	Q U	E353.2	2K05024	11/05/12 14:19

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K05024-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**15.84**	1.00	3.00	6.00	1		E353.2	2K05024	11/05/12 14:21

ANALYSIS DATA SHEET

Matrix Spike

Laboratory: Empirical Laboratories, LLC

Client: Shaw E & I (I700)

Matrix: Water

% Solids: 0.00

SDG: Kirtland_066

Project: Kirtland AFB 2011

Laboratory ID: 2K05024-MS2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**2.560**	0.250	0.750	1.50	1	Q	E353.2	2K05024	11/05/12 14:57

ANALYSIS DATA SHEET

Matrix Spike Dup

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids: 0.00

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K05024-MSD2

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
NA	Nitrate/Nitrite as N	**2.548**	0.250	0.750	1.50	1	Q	E353.2	2K05024	11/05/12 14:58

ANALYSIS DATA SHEET

Blank

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K06002-BLK1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	ND	0.110	0.150	0.300	1	U	SM4500NH3BG	2K06002	11/06/12 14:41

ANALYSIS DATA SHEET

LCS

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
% Solids:

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K06002-BS1

CAS NO.	Analyte	Conc. (mg/L)	DL	LOD	LOQ	D.F.	Q	Method	Batch	Analyzed
7664-41-7	Ammonia as N	**4.943**	0.110	0.150	0.300	1		SM4500NH3BG	2K06002	11/06/12 14:42

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2E13609

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2E13609-ICV1	Chloride	4.800	4.613	96.1	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.62	98.4	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2303005
Sequence: 2J30320

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J30320-ICV1	Ammonia as N	2.000	2.065	103	mg/L	+/- 10.00%
2J30320-CCV1	Ammonia as N	2.000	2.125	106	mg/L	+/- 10.00%
2J30320-CCV2	Ammonia as N	2.000	2.060	103	mg/L	+/- 10.00%
2J30320-CCV3	Ammonia as N	2.000	2.044	102	mg/L	+/- 10.00%
2J30320-CCV4	Ammonia as N	2.000	2.090	104	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2304003
Sequence: 2J30438

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J30438-ICV1	Nitrate/Nitrite as N	1.200	1.234	103	mg/L	+/- 10.00%
2J30438-CCV1	Nitrate/Nitrite as N	1.200	1.245	104	mg/L	+/- 10.00%
2J30438-CCV2	Nitrate/Nitrite as N	1.200	1.241	103	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2305003
Sequence: 2J30515

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2J30515-ICV1	Ammonia as N	2.000	2.128	106	mg/L	+/- 10.00%
2J30515-CCV1	Ammonia as N	2.000	2.141	107	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2136002
Sequence: 2K30605

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K30605-CCV1	Chloride	25.00	24.62	98.5	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.72	103	mg/L	+/- 10.00%
2K30605-CCV2	Chloride	25.00	24.77	99.1	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.96	104	mg/L	+/- 10.00%
2K30605-CCV3	Chloride	25.00	24.84	99.3	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.85	103	mg/L	+/- 10.00%
2K30605-CCV4	Chloride	25.00	25.00	100	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.78	103	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2306001
Sequence: 2K30608

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K30608-ICV1	Chloride	4.800	4.483	93.4	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.47	97.8	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E353.2

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2306003
Sequence: 2K30611

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K30611-ICV1	Nitrate/Nitrite as N	1.200	1.245	104	mg/L	+/- 10.00%
2K30611-CCV1	Nitrate/Nitrite as N	1.200	1.235	103	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2306001
Sequence: 2K31001

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K31001-CCV1	Sulfate as SO4	25.00	25.43	102	mg/L	+/- 10.00%
2K31001-CCV2	Sulfate as SO4	25.00	25.19	101	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_066
Project: Kirtland AFB 2011
Calibration: 2306001
Sequence: 2K31014

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K31014-CCV1	Chloride	25.00	24.69	98.8	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.05	100	mg/L	+/- 10.00%
2K31014-CCV2	Chloride	25.00	25.17	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.04	100	mg/L	+/- 10.00%
2K31014-CCV3	Chloride	25.00	25.16	101	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	24.95	99.8	mg/L	+/- 10.00%
2K31014-CCV4	Chloride	25.00	25.72	103	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.04	100	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_066
Project: Kirtland AFB 2011
Calibration: 2310005
Sequence: 2K31018

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K31018-ICV1	Nitrate/Nitrite as N	1.200	1.228	102	mg/L	+/- 10.00%
2K31018-CCV1	Nitrate/Nitrite as N	1.200	1.258	105	mg/L	+/- 10.00%
2K31018-CCV2	Nitrate/Nitrite as N	1.200	1.271	106	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-Lachat

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2311002
Sequence: 2K31113

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K31113-ICV1	Ammonia as N	2.000	2.041	102	mg/L	+/- 10.00%
2K31113-CCV1	Ammonia as N	2.000	2.067	103	mg/L	+/- 10.00%
2K31113-CCV2	Ammonia as N	2.000	2.135	107	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2311004
Sequence: 2K31116

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K31116-ICV1	Chloride	4.800	4.855	101	mg/L	+/- 10.00%
	Sulfate as SO4	24.00	23.84	99.4	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_066
Project: Kirtland AFB 2011
Calibration: 2312003
Sequence: 2K31211

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K31211-ICV1	Nitrate/Nitrite as N	1.200	1.254	104	mg/L	+/- 10.00%
2K31211-CCV1	Nitrate/Nitrite as N	1.200	1.240	103	mg/L	+/- 10.00%

INITIAL AND CONTINUING CALIBRATION CHECK

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Instrument ID: WC-IC

SDG: Kirtland_066
Project: Kirtland AFB 2011
Calibration: 2311004
Sequence: 2K31212

Lab Sample ID	Analyte	True	Found	%R	Units	Control Limit
2K31212-CCV1	Chloride	25.00	24.69	98.8	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.26	101	mg/L	+/- 10.00%
2K31212-CCV2	Chloride	25.00	24.83	99.3	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.36	101	mg/L	+/- 10.00%
2K31212-CCV3	Chloride	25.00	25.06	100	mg/L	+/- 10.00%
	Sulfate as SO4	25.00	25.54	102	mg/L	+/- 10.00%

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2136002

Sequence: 2K30605

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2K30605-CRL2	Chloride	1.000	1.185	118	mg/L	75 - 125
2K30605-CRL3	Sulfate as SO4	2.500	2.209	88.4	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2306001

Sequence: 2K31001

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2K31001-CRL3	Sulfate as SO4	2.500	2.291	91.6	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2306001

Sequence: 2K31014

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2K31014-CRL1	Chloride	0.5000	0.4700	94.0	mg/L	75 - 125
2K31014-CRL3	Sulfate as SO4	2.500	2.304	92.2	mg/L	75 - 125

CRDL STANDARD

E300.0

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Instrument ID: WC-IC

Calibration: 2311004

Sequence: 2K31212

Lab Sample ID	Analyte	True	Found	%R	Units	QC Limts
2K31212-CRL1	Sulfate as SO4	0.5000	0.5880	118	mg/L	75 - 125
2K31212-CRL2	Chloride	1.000	1.120	112	mg/L	75 - 125

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J18005

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J18005-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J23010

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J23010-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
SM4500S2CF

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J24012

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J24012-BLK1	Sulfide	0.00	0.800	4.00	mg/L	U	SM4500S2CF

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J26023

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J26023-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_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J27909

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J27909-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J28919

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J28919-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J29940

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J29940-BLK1	Ammonia as N	0.0817	0.110	0.300	mg/L	U	SM4500NH3BG

METHOD BLANKS
SM2320B

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J30324

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30324-BLK1	Alkalinity, Total (as CACO3)	0.00	1.00	1.00	mg/L	U	SM2320B

METHOD BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J30423

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30423-BLK1	Nitrate/Nitrite as N	-0.0270	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J31024

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J31024-BLK1	Ammonia as N	0.130	0.110	0.300	mg/L	J	SM4500NH3BG

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2J31029

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J31029-BLK1	Chloride	-0.133	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
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2K01023

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K01023-BLK1	Nitrate/Nitrite as N	-0.0318	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2K01024

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K01024-BLK1	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

METHOD BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2K05015

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K05015-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
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2K05024

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K05024-BLK1	Nitrate/Nitrite as N	-0.0355	0.0500	0.300	mg/L	U	E353.2

METHOD BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Batch: 2K06002

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K06002-BLK1	Ammonia as N	0.0262	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2E13609
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2E13609-ICB1	Chloride	0.000	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J30320
Calibration: 2303005
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30320-ICB1	Ammonia as N	0.01939	0.110	0.300	mg/L	U	SM4500NH3BG
2J30320-CCB1	Ammonia as N	-0.000382	0.110	0.300	mg/L	U	SM4500NH3BG
2J30320-CCB2	Ammonia as N	-0.0517	0.110	0.300	mg/L	U	SM4500NH3BG
2J30320-CCB3	Ammonia as N	0.0102	0.110	0.300	mg/L	U	SM4500NH3BG
2J30320-CCB4	Ammonia as N	-0.0270	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J30438
Calibration: 2304003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30438-ICB1	Nitrate/Nitrite as N	-0.02838	0.0500	0.300	mg/L	U	E353.2
2J30438-CCB1	Nitrate/Nitrite as N	-0.0236	0.0500	0.300	mg/L	U	E353.2
2J30438-CCB2	Nitrate/Nitrite as N	-0.0237	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2J30515
Calibration: 2305003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2J30515-ICB1	Ammonia as N	0.006636	0.110	0.300	mg/L	U	SM4500NH3BG
2J30515-CCB1	Ammonia as N	0.00988	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K30605
Calibration: 2136002
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K30605-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
2K30605-CCB2	Chloride	0.00	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2K30605-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
2K30605-CCB4	Chloride	0.0490	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K30608
Calibration: 2306001
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K30608-ICB1	Chloride	-0.1840	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K30611
Calibration: 2306003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K30611-ICB1	Nitrate/Nitrite as N	-0.03252	0.0500	0.300	mg/L	U	E353.2
2K30611-CCB1	Nitrate/Nitrite as N	-0.0317	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K31001
Calibration: 2306001
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K31001-CCB1	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2K31001-CCB2	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K31014
Calibration: 2306001
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K31014-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
2K31014-CCB2	Chloride	-0.214	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2K31014-CCB3	Chloride	-0.200	0.170	0.500	mg/L	J	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2K31014-CCB4	Chloride	-0.101	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_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K31018
Calibration: 2310005
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K31018-ICB1	Nitrate/Nitrite as N	-0.03604	0.0500	0.300	mg/L	U	E353.2
2K31018-CCB1	Nitrate/Nitrite as N	-0.0371	0.0500	0.300	mg/L	U	E353.2
2K31018-CCB2	Nitrate/Nitrite as N	-0.0390	0.0500	0.300	mg/L	U	E353.2

BLANKS
SM4500NH3BG

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K31113
Calibration: 2311002
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K31113-ICB1	Ammonia as N	0.004666	0.110	0.300	mg/L	U	SM4500NH3BG
2K31113-CCB1	Ammonia as N	-0.0187	0.110	0.300	mg/L	U	SM4500NH3BG
2K31113-CCB2	Ammonia as N	-0.00902	0.110	0.300	mg/L	U	SM4500NH3BG

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K31116
Calibration: 2311004
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K31116-ICB1	Chloride	0.000	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.000	0.330	2.00	mg/L	U	E300.0

BLANKS
E353.2

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K31211
Calibration: 2312003
Instrument ID: WC-Lachat

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K31211-ICB1	Nitrate/Nitrite as N	-0.03154	0.0500	0.300	mg/L	U	E353.2
2K31211-CCB1	Nitrate/Nitrite as N	-0.0299	0.0500	0.300	mg/L	U	E353.2

BLANKS
E300.0

Laboratory: Empirical Laboratories, LLC
SDG: Kirtland_066
Client: Shaw E & I (I700)
Project: Kirtland AFB 2011
Sequence: 2K31212
Calibration: 2311004
Instrument ID: WC-IC

Lab Sample ID	Analyte	Found	MDL	MRL	Units	C	Method
2K31212-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
2K31212-CCB2	Chloride	0.0720	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	0.00	0.330	2.00	mg/L	U	E300.0
2K31212-CCB3	Chloride	0.110	0.170	0.500	mg/L	U	E300.0
	Sulfate as SO4	-0.141	0.330	2.00	mg/L	U	E300.0

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500S2CF

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J23010

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Sulfide	1150	ND	1296	113		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1150	1314	114	1.38		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J26023

% Solids:

Source Sample Name: **1210178-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	14.74	41.86	97.6		80 - 120
Sulfate as SO4	27.78	31.62	60.61	104		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	41.64	96.8	0.522		20	80 - 120
Sulfate as SO4	27.78	60.53	104	0.125		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0863

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J26023

% Solids:

Source Sample Name: **1210178-27**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	11.92	39.36	98.8		80 - 120
Sulfate as SO4	27.78	33.57	62.54	104		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	39.31	98.6	0.124		20	80 - 120
Sulfate as SO4	27.78	62.68	105	0.225		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J28919

% Solids:

Source Sample Name: **1210178-01**

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	153.0	267.3	103		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	266.4	102	0.336		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM2320B

GW0774

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J30324

% Solids:

Source Sample Name: **1210200-01**

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	123.9	237.2	102		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	237.2	102	0.00		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

SM4500NH3BG

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J31024

% Solids:

Source Sample Name: **1210178-01**

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	5.188	104		75 - 125

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Ammonia as N	5.000	5.099	102	1.73		20	75 - 125

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0774

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J31029

% Solids:

Source Sample Name: **1210200-01**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	16.56	44.80	102		80 - 120
Sulfate as SO4	27.78	40.77	68.21	98.8		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	44.26	99.7	1.22		20	80 - 120
Sulfate as SO4	27.78	66.96	94.3	1.84		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0789

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2J31029

% Solids:

Source Sample Name: **1210200-03**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	13.34	41.46	101		80 - 120
Sulfate as SO4	27.78	32.31	60.57	102		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	41.70	102	0.564		20	80 - 120
Sulfate as SO4	27.78	60.25	101	0.533		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0754

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2K01023

% Solids:

Source Sample Name: **1210178-01**

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	ND	2.634	105		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.627	105	0.266		20	90 - 110

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E300.0

GW0864

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2K05015

% Solids:

Source Sample Name: **1210200-17**

ANALYTE	SPIKE ADDED (mg/L)	SAMPLE CONCENTRATION (mg/L)	MS CONCENTRATION (mg/L)	MS % REC.	Q	QC LIMITS REC.
Chloride	27.78	9.904	37.59	99.7		80 - 120
Sulfate as SO4	27.78	29.38	57.45	101		80 - 120

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Chloride	27.78	37.98	101	1.03		20	80 - 120
Sulfate as SO4	27.78	57.66	102	0.367		20	80 - 120

MATRIX SPIKE / MATRIX SPIKE DUPLICATE RECOVERY

E353.2

GW0774

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Matrix: Water

Batch: 2K05024

% Solids:

Source Sample Name: **1210200-01**

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	ND	2.560	102		90 - 110

ANALYTE	SPIKE ADDED (mg/L)	MSD CONCENTRATION (mg/L)	MSD % REC. #	% RPD	Q	QC LIMITS RPD	QC LIMITS REC.
Nitrate/Nitrite as N	2.500	2.548	102	0.509		20	90 - 110

DUPLICATES

GW0754

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2J26023
Preparation: pNone
Source Sample Name: GW0754

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J26023-DUP1
Lab Source ID: 1210178-01
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	14.7	14.72	0.0950		E300.0
Sulfate as SO4	20	31.6	31.62	0.00633		E300.0

GW0863

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2J26023
Preparation: pNone
Source Sample Name: GW0863

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J26023-DUP2
Lab Source ID: 1210178-27
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	11.9	11.86	0.555		E300.0
Sulfate as SO4	20	33.6	33.50	0.215		E300.0

GW0774

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2J31029
Preparation: pNone
Source Sample Name: GW0774

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31029-DUP1
Lab Source ID: 1210200-01
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	16.6	16.54	0.0906		E300.0
Sulfate as SO4	20	40.8	40.18	1.45		E300.0

DUPLICATES

GW0789

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2J31029
Preparation: pNone
Source Sample Name: GW0789

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2J31029-DUP2
Lab Source ID: 1210200-03
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	13.3	13.37	0.180		E300.0
Sulfate as SO4	20	32.3	32.31	0.0186		E300.0

GW0864

DUPLICATES

E300.0

Laboratory: Empirical Laboratories, LLC
Client: Shaw E & I (I700)
Matrix: Water
Batch: 2K05015
Preparation: pNone
Source Sample Name: GW0864

SDG: Kirtland_066
Project: Kirtland AFB 2011
Laboratory ID: 2K05015-DUP1
Lab Source ID: 1210200-17
Initial/Final: 5 mL / 5 mL
% Solids:

ANALYTE	CONTROL LIMIT	SAMPLE CONCENTRATION (mg/L)	DUPLICATE CONCENTRATION (mg/L)	RPD %	Q	METHOD
Chloride	20	9.90	9.949	0.453		E300.0
Sulfate as SO4	20	29.4	29.46	0.296		E300.0

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J18005	Laboratory ID:	2J18005-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1150	1134	98.6	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J23010	Laboratory ID:	2J23010-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1150	1117	97.1	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500S2CF

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J24012	Laboratory ID:	2J24012-BS1
Preparation:	pNone	Initial/Final:	3 mL / 250 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfide	1150	1184	103	80 - 120

ANALYTE	SPIKE ADDED (mg/L)	LCSD CONCENTRATION (mg/L)	LCSD % REC. #	% RPD #	QC LIMITS RPD	QC LIMITS REC.
Sulfide	1150	1100	95.7	7.30	20	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J26023	Laboratory ID:	2J26023-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.523	94.2	90 - 110
Sulfate as SO4	24.00	23.51	98.0	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J27909	Laboratory ID:	2J27909-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	1017	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J28919	Laboratory ID:	2J28919-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	1017	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J29940	Laboratory ID:	2J29940-BS1
Preparation:	pNone	Initial/Final:	100 mL / 100 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Ammonia as N	5.000	4.833	96.7	80 - 120

LCS / LCS DUPLICATE RECOVERY

SM2320B

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J30324	Laboratory ID:	2J30324-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	1021	102	80 - 120

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J30423	Laboratory ID:	2J30423-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	14.10	14.98	106	90 - 110

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J31024	Laboratory ID:	2J31024-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	4.944	98.9	80 - 120

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2J31029	Laboratory ID:	2J31029-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	4.600	95.8	90 - 110
Sulfate as SO4	24.00	22.27	92.8	90 - 110

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2K01023	Laboratory ID:	2K01023-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	14.10	15.26	108	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2K01024	Laboratory ID:	2K01024-BS1
Preparation:	pNone	Initial/Final:	2.5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Sulfate as SO4	24.00	23.50	97.9	90 - 110

LCS / LCS DUPLICATE RECOVERY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2K05015	Laboratory ID:	2K05015-BS1
Preparation:	pNone	Initial/Final:	5 mL / 5 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Chloride	4.800	5.207	108	90 - 110
Sulfate as SO4	24.00	23.97	99.9	90 - 110

LCS / LCS DUPLICATE RECOVERY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2K05024	Laboratory ID:	2K05024-BS1
Preparation:	pNone	Initial/Final:	1 mL / 20 mL

ANALYTE	SPIKE ADDED (mg/L)	LCS CONCENTRATION (mg/L)	LCS % REC.	QC LIMITS REC.
Nitrate/Nitrite as N	**14.10**	**15.84**	**112**	**90 - 110**

LCS / LCS DUPLICATE RECOVERY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Matrix:	Water		
Batch:	2K06002	Laboratory ID:	2K06002-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	4.943	98.9	80 - 120

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J18005 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0808	1210178-03	10/18/12 07:11	270.00	200.00
GW0809	1210178-05	10/18/12 07:11	270.00	200.00
GW0810	1210178-07	10/18/12 07:11	270.00	200.00
GW0811	1210178-09	10/18/12 07:11	270.00	200.00
GW0825	1210178-11	10/18/12 07:11	270.00	200.00
GW0826	1210178-13	10/18/12 07:11	270.00	200.00
GW0827	1210178-15	10/18/12 07:11	270.00	200.00
GW0861	1210178-23	10/18/12 07:11	270.00	200.00
GW0862	1210178-25	10/18/12 07:11	270.00	200.00
GW0863	1210178-27	10/18/12 07:11	270.00	200.00
Blank	2J18005-BLK1	10/18/12 07:11	250.00	200.00
LCS	2J18005-BS1	10/18/12 07:11	3.00	250.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J23010 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	10/23/12 09:49	270.00	200.00
GW0855	1210178-17	10/23/12 09:49	270.00	200.00
GW0856	1210178-19	10/23/12 09:49	270.00	200.00
GW0857	1210178-21	10/23/12 09:49	270.00	200.00
Blank	2J23010-BLK1	10/23/12 09:49	250.00	200.00
LCS	2J23010-BS1	10/23/12 09:49	3.00	250.00
GW0754	2J23010-MS1	10/23/12 09:49	3.00	270.00
GW0754	2J23010-MSD1	10/23/12 09:49	3.00	270.00

PREPARATION BATCH SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J24012 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-01	10/24/12 08:15	270.00	200.00
GW0789	1210200-03	10/24/12 08:15	270.00	200.00
GW0790	1210200-05	10/24/12 08:15	270.00	200.00
GW0791	1210200-07	10/24/12 08:15	270.00	200.00
GW0799	1210200-09	10/24/12 08:15	270.00	200.00
GW0800	1210200-11	10/24/12 08:15	270.00	200.00
GW0801	1210200-13	10/24/12 08:15	270.00	200.00
GW0854	1210200-15	10/24/12 08:15	270.00	200.00
GW0864	1210200-17	10/24/12 08:15	270.00	200.00
GW0865	1210200-19	10/24/12 08:15	270.00	200.00
GW0866	1210200-21	10/24/12 08:15	270.00	200.00
GW0867	1210200-23	10/24/12 08:15	270.00	200.00
Blank	2J24012-BLK1	10/24/12 08:15	250.00	200.00
LCS	2J24012-BS1	10/24/12 08:15	3.00	250.00
LCS Dup	2J24012-BSD1	10/24/12 08:15	3.00	250.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J26023 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	10/26/12 13:53	5.00	5.00
GW0808	1210178-03	10/26/12 13:53	5.00	5.00
GW0809	1210178-05	10/26/12 13:53	5.00	5.00
GW0810	1210178-07	10/26/12 13:53	5.00	5.00
GW0811	1210178-09	10/26/12 13:53	5.00	5.00
GW0825	1210178-11	10/26/12 13:53	5.00	5.00
GW0826	1210178-13	10/26/12 13:53	5.00	5.00
GW0827	1210178-15	10/26/12 13:53	5.00	5.00
GW0855	1210178-17	10/26/12 13:53	5.00	5.00
GW0856	1210178-19	10/26/12 13:53	5.00	5.00
GW0857	1210178-21	10/26/12 13:53	5.00	5.00
GW0861	1210178-23	10/26/12 13:53	5.00	5.00
GW0862	1210178-25	10/26/12 13:53	5.00	5.00
GW0863	1210178-27	10/26/12 13:53	5.00	5.00
Blank	2J26023-BLK1	10/26/12 13:53	5.00	5.00
LCS	2J26023-BS1	10/26/12 13:53	5.00	5.00
GW0754	2J26023-DUP1	10/26/12 13:53	5.00	5.00
GW0863	2J26023-DUP2	10/26/12 13:53	5.00	5.00
GW0754	2J26023-MS1	10/26/12 13:53	22.50	25.00
GW0863	2J26023-MS2	10/26/12 13:53	22.50	25.00
GW0754	2J26023-MSD1	10/26/12 13:53	22.50	25.00
GW0863	2J26023-MSD2	10/26/12 13:53	22.50	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J27909 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0809	1210178-05	10/27/12 05:51	25.00	25.00
GW0810	1210178-07	10/27/12 05:51	25.00	25.00
GW0811	1210178-09	10/27/12 05:51	25.00	25.00
GW0825	1210178-11	10/27/12 05:51	25.00	25.00
GW0826	1210178-13	10/27/12 05:51	25.00	25.00
GW0827	1210178-15	10/27/12 05:51	25.00	25.00
GW0855	1210178-17	10/27/12 05:51	25.00	25.00
GW0856	1210178-19	10/27/12 05:51	25.00	25.00
GW0857	1210178-21	10/27/12 05:51	25.00	25.00
GW0861	1210178-23	10/27/12 05:51	25.00	25.00
GW0862	1210178-25	10/27/12 05:51	25.00	25.00
GW0863	1210178-27	10/27/12 05:51	25.00	25.00
Blank	2J27909-BLK1	10/27/12 05:51	25.00	25.00
LCS	2J27909-BS1	10/27/12 05:51	5.00	25.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J28919 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	10/28/12 07:34	25.00	25.00
GW0808	1210178-03	10/28/12 07:34	25.00	25.00
GW0791	1210200-07	10/28/12 07:34	25.00	25.00
GW0799	1210200-09	10/28/12 07:34	25.00	25.00
GW0800	1210200-11	10/28/12 07:34	25.00	25.00
GW0801	1210200-13	10/28/12 07:34	25.00	25.00
GW0854	1210200-15	10/28/12 07:34	25.00	25.00
GW0864	1210200-17	10/28/12 07:34	25.00	25.00
GW0865	1210200-19	10/28/12 07:34	25.00	25.00
GW0866	1210200-21	10/28/12 07:34	25.00	25.00
GW0867	1210200-23	10/28/12 07:34	25.00	25.00
Blank	2J28919-BLK1	10/28/12 07:34	25.00	25.00
LCS	2J28919-BS1	10/28/12 07:34	5.00	25.00
GW0754	2J28919-MS1	10/28/12 07:34	22.50	25.00
GW0754	2J28919-MSD1	10/28/12 07:34	22.50	25.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J29940 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0808	1210178-03	10/29/12 10:13	100.00	100.00
GW0809	1210178-05	10/29/12 10:13	100.00	100.00
GW0810	1210178-07	10/29/12 10:13	100.00	100.00
GW0811	1210178-09	10/29/12 10:13	100.00	100.00
GW0825	1210178-11	10/29/12 10:13	100.00	100.00
GW0826	1210178-13	10/29/12 10:13	100.00	100.00
GW0827	1210178-15	10/29/12 10:13	100.00	100.00
GW0855	1210178-17	10/29/12 10:13	100.00	100.00
GW0856	1210178-19	10/29/12 10:13	100.00	100.00
GW0857	1210178-21	10/29/12 10:13	100.00	100.00
GW0861	1210178-23	10/29/12 10:13	100.00	100.00
GW0862	1210178-25	10/29/12 10:13	100.00	100.00
GW0863	1210178-27	10/29/12 10:13	100.00	100.00
Blank	2J29940-BLK1	10/29/12 10:13	100.00	100.00
LCS	2J29940-BS1	10/29/12 10:13	100.00	100.00

PREPARATION BATCH SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J30324 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-01	10/30/12 07:16	25.00	25.00
GW0789	1210200-03	10/30/12 07:16	25.00	25.00
GW0790	1210200-05	10/30/12 07:16	25.00	25.00
Blank	2J30324-BLK1	10/30/12 07:16	25.00	25.00
LCS	2J30324-BS1	10/30/12 07:16	5.00	25.00
GW0774	2J30324-MS1	10/30/12 07:16	22.50	25.00
GW0774	2J30324-MSD1	10/30/12 07:16	22.50	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J30423 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0808	1210178-03	10/30/12 12:07	4.00	20.00
GW0809	1210178-05	10/30/12 12:07	4.00	20.00
GW0810	1210178-07	10/30/12 12:07	4.00	20.00
GW0811	1210178-09	10/30/12 12:07	4.00	20.00
GW0825	1210178-11	10/30/12 12:07	4.00	20.00
GW0826	1210178-13	10/30/12 12:07	4.00	20.00
GW0827	1210178-15	10/30/12 12:07	4.00	20.00
GW0855	1210178-17	10/30/12 12:07	4.00	20.00
Blank	2J30423-BLK1	10/30/12 12:07	20.00	20.00
LCS	2J30423-BS1	10/30/12 12:07	1.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J31024 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	10/31/12 12:11	100.00	100.00
Blank	2J31024-BLK1	10/31/12 12:11	100.00	100.00
LCS	2J31024-BS1	10/31/12 12:11	100.00	100.00
GW0754	2J31024-MS1	10/31/12 12:11	100.00	100.00
GW0754	2J31024-MSD1	10/31/12 12:11	100.00	100.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2J31029 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-01	10/31/12 14:58	5.00	5.00
GW0789	1210200-03	10/31/12 14:58	5.00	5.00
Blank	2J31029-BLK1	10/31/12 14:24	5.00	5.00
LCS	2J31029-BS1	10/31/12 14:24	5.00	5.00
GW0774	2J31029-DUP1	10/31/12 14:24	5.00	5.00
GW0789	2J31029-DUP2	10/31/12 14:24	5.00	5.00
GW0774	2J31029-MS1	10/31/12 14:24	22.50	25.00
GW0789	2J31029-MS2	10/31/12 14:24	22.50	25.00
GW0774	2J31029-MSD1	10/31/12 14:24	22.50	25.00
GW0789	2J31029-MSD2	10/31/12 14:24	22.50	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2K01023 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0754	1210178-01	11/01/12 12:28	4.00	20.00
GW0856	1210178-19	11/01/12 12:28	4.00	20.00
GW0857	1210178-21	11/01/12 12:28	4.00	20.00
GW0861	1210178-23	11/01/12 12:28	4.00	20.00
GW0862	1210178-25	11/01/12 12:28	4.00	20.00
GW0863	1210178-27	11/01/12 12:28	4.00	20.00
Blank	2K01023-BLK1	11/01/12 12:28	20.00	20.00
LCS	2K01023-BS1	11/01/12 12:28	1.00	20.00
GW0754	2K01023-MS1	11/01/12 12:28	4.00	20.00
GW0754	2K01023-MSD1	11/01/12 12:28	4.00	20.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2K01024 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0861	1210178-23RE1	10/26/12 13:53	5.00	5.00
GW0862	1210178-25RE1	10/26/12 13:53	5.00	5.00
Blank	2K01024-BLK1	11/01/12 12:53	5.00	5.00
LCS	2K01024-BS1	11/01/12 12:53	2.50	5.00

PREPARATION BATCH SUMMARY

E300.0

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2K05015 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0790	1210200-05	11/05/12 11:13	5.00	5.00
GW0791	1210200-07	11/05/12 11:13	5.00	5.00
GW0799	1210200-09	11/05/12 11:13	5.00	5.00
GW0800	1210200-11	11/05/12 11:13	5.00	5.00
GW0801	1210200-13	11/05/12 11:13	5.00	5.00
GW0854	1210200-15	11/05/12 11:13	5.00	5.00
GW0864	1210200-17	11/05/12 11:13	5.00	5.00
GW0865	1210200-19	11/05/12 11:13	5.00	5.00
GW0866	1210200-21	11/05/12 11:13	5.00	5.00
GW0867	1210200-23	11/05/12 11:13	5.00	5.00
Blank	2K05015-BLK1	11/05/12 11:13	5.00	5.00
LCS	2K05015-BS1	11/05/12 11:13	5.00	5.00
GW0864	2K05015-DUP1	11/05/12 11:13	5.00	5.00
GW0864	2K05015-MS1	11/05/12 11:13	22.50	25.00
GW0864	2K05015-MSD1	11/05/12 11:13	22.50	25.00

PREPARATION BATCH SUMMARY

E353.2

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2K05024 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-01	11/05/12 13:10	4.00	20.00
GW0789	1210200-03RE1	11/05/12 13:10	4.00	20.00
GW0790	1210200-05RE1	11/05/12 13:10	4.00	20.00
GW0791	1210200-07	11/05/12 13:10	4.00	20.00
GW0799	1210200-09	11/05/12 13:10	4.00	20.00
GW0800	1210200-11	11/05/12 13:10	4.00	20.00
GW0801	1210200-13	11/05/12 13:10	4.00	20.00
GW0854	1210200-15	11/05/12 13:10	4.00	20.00
GW0864	1210200-17	11/05/12 13:10	4.00	20.00
GW0865	1210200-19	11/05/12 13:10	4.00	20.00
GW0866	1210200-21	11/05/12 13:10	4.00	20.00
GW0867	1210200-23	11/05/12 13:10	4.00	20.00
Blank	2K05024-BLK1	11/05/12 13:10	20.00	20.00
LCS	2K05024-BS1	11/05/12 13:10	1.00	20.00
GW0774	2K05024-MS2	11/05/12 13:10	4.00	20.00
GW0774	2K05024-MSD2	11/05/12 13:10	4.00	20.00

PREPARATION BATCH SUMMARY

SM4500NH3BG

Laboratory: Empirical Laboratories, LLC SDG: Kirtland_066

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

Batch: 2K06002 Batch Matrix: Water Preparation: pNone

SAMPLE NAME	LAB SAMPLE ID	DATE PREPARED	INITIAL VOL./WEIGHT	FINAL VOL.
GW0774	1210200-01	11/06/12 06:43	100.00	100.00
GW0789	1210200-03	11/06/12 06:43	100.00	100.00
GW0790	1210200-05	11/06/12 06:43	100.00	100.00
GW0791	1210200-07	11/06/12 06:43	100.00	100.00
GW0799	1210200-09	11/06/12 06:43	100.00	100.00
GW0800	1210200-11	11/06/12 06:43	100.00	100.00
GW0801	1210200-13	11/06/12 06:43	100.00	100.00
GW0854	1210200-15	11/06/12 06:43	100.00	100.00
GW0864	1210200-17	11/06/12 06:43	100.00	100.00
GW0865	1210200-19	11/06/12 06:43	100.00	100.00
GW0866	1210200-21	11/06/12 06:43	100.00	100.00
GW0867	1210200-23	11/06/12 06:43	100.00	100.00
Blank	2K06002-BLK1	11/06/12 06:43	100.00	100.00
LCS	2K06002-BS1	11/06/12 06:43	100.00	100.00

ANALYSIS SEQUENCE SUMMARY

SM2320B

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2J27909-BS1	102712-002	10/27/12 06:35
Blank	2J27909-BLK1	102712-003	10/27/12 06:38
LCS	2J28919-BS1	102812-002	10/28/12 08:52
Blank	2J28919-BLK1	102812-003	10/28/12 08:55
GW0754	2J28919-MS1	102812-004	10/28/12 08:59
GW0754	2J28919-MSD1	102812-005	10/28/12 09:09
LCS	2J30324-BS1	103012-002	10/30/12 07:45
Blank	2J30324-BLK1	103012-003	10/30/12 07:50
GW0774	2J30324-MS1	103012-004	10/30/12 07:52
GW0774	2J30324-MSD1	103012-005	10/30/12 07:57

ANALYSIS SEQUENCE SUMMARY

SM4500S2CF

Laboratory: Empirical Laboratories, LLC

SDG: Kirtland_066

Client: Shaw E & I (I700)

Project: Kirtland AFB 2011

Sequence:

Instrument:

Calibration:

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
LCS	2J18005-BS1	101812-001	10/18/12 14:05
Blank	2J18005-BLK1	101812-002	10/18/12 14:06
LCS	2J23010-BS1	102312-001	10/23/12 19:00
Blank	2J23010-BLK1	102312-002	10/23/12 19:01
GW0754	2J23010-MS1	102312-004	10/23/12 19:03
GW0754	2J23010-MSD1	102312-005	10/23/12 19:04
LCS Dup	2J24012-BSD1	102412-002	10/24/12 15:53
LCS	2J24012-BS1	102412-001	10/24/12 15:53
Blank	2J24012-BLK1	102412-003	10/24/12 15:53

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2E13609	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2E13609-CAL1	051412-010	05/14/12 18:29
Cal Standard	2E13609-CAL2	051412-011	05/14/12 18:46
Cal Standard	2E13609-CAL3	051412-012	05/14/12 19:04
Cal Standard	2E13609-CAL4	051412-013	05/14/12 19:21
Cal Standard	2E13609-CAL5	051412-014	05/14/12 19:38
Cal Standard	2E13609-CAL6	051412-015	05/14/12 19:56
Cal Standard	2E13609-CAL7	051412-016	05/14/12 20:13
Cal Standard	2E13609-CAL8	051412-017	05/14/12 20:31
Initial Cal Check	2E13609-ICV1	051412-018	05/14/12 20:48
Initial Cal Blank	2E13609-ICB1	051412-019	05/14/12 21:06

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30320	Instrument:	WC-Lachat
Calibration:	2303005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J30320-CAL1	M_10-29-2012_02-25-21PM-0	10/29/12 14:26
Cal Standard	2J30320-CAL2	M_10-29-2012_02-25-21PM-0	10/29/12 14:27
Cal Standard	2J30320-CAL3	M_10-29-2012_02-25-21PM-0	10/29/12 14:28
Cal Standard	2J30320-CAL5	M_10-29-2012_02-25-21PM-0	10/29/12 14:29
Cal Standard	2J30320-CAL4	M_10-29-2012_02-25-21PM-0	10/29/12 14:29
Cal Standard	2J30320-CAL6	M_10-29-2012_02-25-21PM-0	10/29/12 14:30
Cal Standard	2J30320-CAL7	M_10-29-2012_02-25-21PM-0	10/29/12 14:31
Cal Standard	2J30320-CAL8	M_10-29-2012_02-25-21PM-0	10/29/12 14:32
Initial Cal Check	2J30320-ICV1	M_10-29-2012_02-25-21PM-0	10/29/12 14:33
Initial Cal Blank	2J30320-ICB1	M_10-29-2012_02-25-21PM-0	10/29/12 14:34
Calibration Check	2J30320-CCV1	M_10-29-2012_02-25-21PM-0	10/29/12 14:48
Calibration Blank	2J30320-CCB1	M_10-29-2012_02-25-21PM-0	10/29/12 14:49
Calibration Check	2J30320-CCV2	M_10-29-2012_02-25-21PM-0	10/29/12 15:00
Calibration Blank	2J30320-CCB2	M_10-29-2012_02-25-21PM-0	10/29/12 15:01
Blank	2J29940-BLK1	M_10-29-2012_02-25-21PM-0	10/29/12 15:02
LCS	2J29940-BS1	M_10-29-2012_02-25-21PM-0	10/29/12 15:03
GW0808	1210178-03	M_10-29-2012_02-25-21PM-0	10/29/12 15:07
GW0809	1210178-05	M_10-29-2012_02-25-21PM-0	10/29/12 15:08
GW0810	1210178-07	M_10-29-2012_02-25-21PM-0	10/29/12 15:09
GW0811	1210178-09	M_10-29-2012_02-25-21PM-0	10/29/12 15:09
GW0825	1210178-11	M_10-29-2012_02-25-21PM-0	10/29/12 15:10
GW0826	1210178-13	M_10-29-2012_02-25-21PM-0	10/29/12 15:11
GW0827	1210178-15	M_10-29-2012_02-25-21PM-0	10/29/12 15:12
GW0855	1210178-17	M_10-29-2012_02-25-21PM-0	10/29/12 15:13
GW0856	1210178-19	M_10-29-2012_02-25-21PM-0	10/29/12 15:14
Calibration Check	2J30320-CCV3	M_10-29-2012_02-25-21PM-0	10/29/12 15:15
Calibration Blank	2J30320-CCB3	M_10-29-2012_02-25-21PM-0	10/29/12 15:16
GW0857	1210178-21	M_10-29-2012_02-25-21PM-0	10/29/12 15:17
GW0861	1210178-23	M_10-29-2012_02-25-21PM-0	10/29/12 15:18
GW0862	1210178-25	M_10-29-2012_02-25-21PM-0	10/29/12 15:19
GW0863	1210178-27	M_10-29-2012_02-25-21PM-0	10/29/12 15:20
Calibration Check	2J30320-CCV4	M_10-29-2012_02-25-21PM-0	10/29/12 15:27

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30320	Instrument:	WC-Lachat
Calibration:	2303005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Blank	2J30320-CCB4	M_10-29-2012_02-25-21PM-0	10/29/12 15:28

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30438	Instrument:	WC-Lachat
Calibration:	2304003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J30438-CAL1	M_10-30-2012_01-01-31PM-0	10/30/12 13:03
Cal Standard	2J30438-CAL2	M_10-30-2012_01-01-31PM-0	10/30/12 13:05
Cal Standard	2J30438-CAL3	M_10-30-2012_01-01-31PM-0	10/30/12 13:06
Cal Standard	2J30438-CAL4	M_10-30-2012_01-01-31PM-0	10/30/12 13:07
Cal Standard	2J30438-CAL5	M_10-30-2012_01-01-31PM-0	10/30/12 13:09
Cal Standard	2J30438-CAL6	M_10-30-2012_01-01-31PM-0	10/30/12 13:10
Cal Standard	2J30438-CAL7	M_10-30-2012_01-01-31PM-0	10/30/12 13:12
Cal Standard	2J30438-CAL8	M_10-30-2012_01-01-31PM-0	10/30/12 13:13
Initial Cal Check	2J30438-ICV1	M_10-30-2012_01-01-31PM-0	10/30/12 13:15
Initial Cal Blank	2J30438-ICB1	M_10-30-2012_01-01-31PM-0	10/30/12 13:16
Blank	2J30423-BLK1	M_10-30-2012_01-01-31PM-0	10/30/12 13:19
LCS	2J30423-BS1	M_10-30-2012_01-01-31PM-0	10/30/12 13:20
Calibration Check	2J30438-CCV1	M_10-30-2012_01-01-31PM-0	10/30/12 13:39
Calibration Blank	2J30438-CCB1	M_10-30-2012_01-01-31PM-0	10/30/12 13:41
GW0808	1210178-03	M_10-30-2012_01-01-31PM-0	10/30/12 13:47
GW0809	1210178-05	M_10-30-2012_01-01-31PM-0	10/30/12 13:48
GW0810	1210178-07	M_10-30-2012_01-01-31PM-0	10/30/12 13:49
GW0811	1210178-09	M_10-30-2012_01-01-31PM-0	10/30/12 13:51
GW0825	1210178-11	M_10-30-2012_01-01-31PM-0	10/30/12 13:52
GW0826	1210178-13	M_10-30-2012_01-01-31PM-0	10/30/12 13:54
GW0827	1210178-15	M_10-30-2012_01-01-31PM-0	10/30/12 13:55
GW0855	1210178-17	M_10-30-2012_01-01-31PM-0	10/30/12 13:57
Calibration Check	2J30438-CCV2	M_10-30-2012_01-01-31PM-0	10/30/12 14:00
Calibration Blank	2J30438-CCB2	M_10-30-2012_01-01-31PM-0	10/30/12 14:01

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2J30515	Instrument:	WC-Lachat
Calibration:	2305003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2J30515-CAL1	M_10-31-2012_01-44-10PM-0	10/31/12 13:45
Cal Standard	2J30515-CAL2	M_10-31-2012_01-44-10PM-0	10/31/12 13:46
Cal Standard	2J30515-CAL3	M_10-31-2012_01-44-10PM-0	10/31/12 13:47
Cal Standard	2J30515-CAL4	M_10-31-2012_01-44-10PM-0	10/31/12 13:48
Cal Standard	2J30515-CAL5	M_10-31-2012_01-44-10PM-0	10/31/12 13:49
Cal Standard	2J30515-CAL6	M_10-31-2012_01-44-10PM-0	10/31/12 13:50
Cal Standard	2J30515-CAL7	M_10-31-2012_01-44-10PM-0	10/31/12 13:51
Cal Standard	2J30515-CAL8	M_10-31-2012_01-44-10PM-0	10/31/12 13:52
Initial Cal Check	2J30515-ICV1	M_10-31-2012_01-44-10PM-0	10/31/12 13:53
Initial Cal Blank	2J30515-ICB1	M_10-31-2012_01-44-10PM-0	10/31/12 13:54
LCS	2J31024-BS1	M_10-31-2012_01-44-10PM-0	10/31/12 13:55
Blank	2J31024-BLK1	M_10-31-2012_01-44-10PM-0	10/31/12 13:55
GW0754	1210178-01	M_10-31-2012_01-44-10PM-0	10/31/12 13:56
GW0754	2J31024-MS1	M_10-31-2012_01-44-10PM-0	10/31/12 13:57
GW0754	2J31024-MSD1	M_10-31-2012_01-44-10PM-0	10/31/12 13:58
Calibration Check	2J30515-CCV1	M_10-31-2012_01-44-10PM-0	10/31/12 14:06
Calibration Blank	2J30515-CCB1	M_10-31-2012_01-44-10PM-0	10/31/12 14:07

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30605	Instrument:	WC-IC
Calibration:	2136002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2K30605-CCV1	102612-003	10/26/12 16:58
Calibration Blank	2K30605-CCB1	102612-004	10/26/12 17:16
Instrument RL Check	2K30605-CRL2	102612-006	10/26/12 17:51
Instrument RL Check	2K30605-CRL3	102612-007	10/26/12 18:08
LCS	2J26023-BS1	102612-008	10/26/12 18:25
Blank	2J26023-BLK1	102612-009	10/26/12 18:43
GW0808	1210178-03	102612-015	10/26/12 20:27
GW0754	1210178-01	102612-016	10/26/12 20:45
GW0754	2J26023-MS1	102612-017	10/26/12 21:02
GW0754	2J26023-MSD1	102612-018	10/26/12 21:20
GW0754	2J26023-DUP1	102612-019	10/26/12 21:37
Calibration Check	2K30605-CCV2	102612-020	10/26/12 21:54
Calibration Blank	2K30605-CCB2	102612-021	10/26/12 22:12
GW0809	1210178-05	102612-022	10/26/12 22:29
GW0810	1210178-07	102612-023	10/26/12 22:47
GW0811	1210178-09	102612-024	10/26/12 23:04
GW0825	1210178-11	102612-025	10/26/12 23:22
GW0826	1210178-13	102612-026	10/26/12 23:39
GW0827	1210178-15	102612-027	10/26/12 23:56
GW0863	1210178-27	102612-028	10/27/12 00:14
GW0863	2J26023-MS2	102612-029	10/27/12 00:31
GW0863	2J26023-MSD2	102612-030	10/27/12 00:49
GW0863	2J26023-DUP2	102612-031	10/27/12 01:06
Calibration Check	2K30605-CCV3	102612-032	10/27/12 01:24
Calibration Blank	2K30605-CCB3	102612-033	10/27/12 01:41
GW0855	1210178-17	102612-034	10/27/12 01:58
GW0856	1210178-19	102612-035	10/27/12 02:16
GW0857	1210178-21	102612-036	10/27/12 02:33
GW0861	1210178-23	102612-037	10/27/12 02:51
GW0862	1210178-25	102612-038	10/27/12 03:08
Calibration Check	2K30605-CCV4	102612-039	10/27/12 03:26
Calibration Blank	2K30605-CCB4	102612-040	10/27/12 03:43

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30608	Instrument:	WC-IC
Calibration:	2306001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K30608-CAL1	103012-047	10/31/12 08:30
Cal Standard	2K30608-CAL2	103012-048	10/31/12 08:47
Cal Standard	2K30608-CAL3	103012-049	10/31/12 09:05
Cal Standard	2K30608-CAL4	103012-050	10/31/12 09:22
Cal Standard	2K30608-CAL5	103012-051	10/31/12 09:40
Cal Standard	2K30608-CAL6	103012-052	10/31/12 09:57
Cal Standard	2K30608-CAL7	103012-053	10/31/12 10:15
Cal Standard	2K30608-CAL8	103012-054	10/31/12 10:32
Initial Cal Check	2K30608-ICV1	103012-055	10/31/12 10:49
Initial Cal Blank	2K30608-ICB1	103012-056	10/31/12 11:07

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K30611	Instrument:	WC-Lachat
Calibration:	2306003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K30611-CAL1	M_11-1-2012_01-05-55PM-00	11/01/12 13:07
Cal Standard	2K30611-CAL2	M_11-1-2012_01-05-55PM-00	11/01/12 13:09
Cal Standard	2K30611-CAL3	M_11-1-2012_01-05-55PM-00	11/01/12 13:10
Cal Standard	2K30611-CAL4	M_11-1-2012_01-05-55PM-00	11/01/12 13:12
Cal Standard	2K30611-CAL5	M_11-1-2012_01-05-55PM-00	11/01/12 13:13
Cal Standard	2K30611-CAL6	M_11-1-2012_01-05-55PM-00	11/01/12 13:15
Cal Standard	2K30611-CAL7	M_11-1-2012_01-05-55PM-00	11/01/12 13:16
Cal Standard	2K30611-CAL8	M_11-1-2012_01-05-55PM-00	11/01/12 13:18
Initial Cal Check	2K30611-ICV1	M_11-1-2012_01-05-55PM-00	11/01/12 13:19
Initial Cal Blank	2K30611-ICB1	M_11-1-2012_01-05-55PM-01	11/01/12 13:21
Blank	2K01023-BLK1	M_11-1-2012_01-05-55PM-01	11/01/12 13:23
LCS	2K01023-BS1	M_11-1-2012_01-05-55PM-01	11/01/12 13:25
GW0754	1210178-01	M_11-1-2012_01-05-55PM-01	11/01/12 13:26
GW0754	2K01023-MS1	M_11-1-2012_01-05-55PM-01	11/01/12 13:28
GW0754	2K01023-MSD1	M_11-1-2012_01-05-55PM-01	11/01/12 13:29
GW0856	1210178-19	M_11-1-2012_01-05-55PM-01	11/01/12 13:31
GW0857	1210178-21	M_11-1-2012_01-05-55PM-01	11/01/12 13:32
GW0861	1210178-23	M_11-1-2012_01-05-55PM-01	11/01/12 13:34
GW0862	1210178-25	M_11-1-2012_01-05-55PM-02	11/01/12 13:35
GW0863	1210178-27	M_11-1-2012_01-05-55PM-02	11/01/12 13:36
Calibration Check	2K30611-CCV1	M_11-1-2012_01-05-55PM-02	11/01/12 13:44
Calibration Blank	2K30611-CCB1	M_11-1-2012_01-05-55PM-02	11/01/12 13:45

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31001	Instrument:	WC-IC
Calibration:	2306001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2K31001-CCV1	110112-003	11/01/12 17:21
Calibration Blank	2K31001-CCB1	110112-004	11/01/12 17:38
Instrument RL Check	2K31001-CRL3	110112-007	11/01/12 18:31
LCS	2K01024-BS1	110112-008	11/01/12 18:48
Blank	2K01024-BLK1	110112-010	11/01/12 19:23
GW0861	1210178-23RE1	110112-011	11/01/12 19:40
GW0862	1210178-25RE1	110112-012	11/01/12 19:58
Calibration Check	2K31001-CCV2	110112-021	11/01/12 22:34
Calibration Blank	2K31001-CCB2	110112-022	11/01/12 22:52

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31014	Instrument:	WC-IC
Calibration:	2306001		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2K31014-CCV1	103112-005	10/31/12 17:11
Calibration Blank	2K31014-CCB1	103112-006	10/31/12 17:28
Instrument RL Check	2K31014-CRL1	103112-007	10/31/12 17:46
Instrument RL Check	2K31014-CRL3	103112-009	10/31/12 18:21
Calibration Check	2K31014-CCV2	103112-022	10/31/12 22:07
Calibration Blank	2K31014-CCB2	103112-023	10/31/12 22:24
GW0774	1210200-01	103112B-030	11/01/12 00:26
GW0774	2J31029-MS1	103112B-031	11/01/12 00:44
GW0774	2J31029-MSD1	103112B-032	11/01/12 01:01
GW0774	2J31029-DUP1	103112B-033	11/01/12 01:19
Calibration Check	2K31014-CCV3	103112-034	11/01/12 01:36
Calibration Blank	2K31014-CCB3	103112-035	11/01/12 01:53
LCS	2J31029-BS1	103112-036	11/01/12 02:11
Blank	2J31029-BLK1	103112-037	11/01/12 02:28
GW0789	1210200-03	103112B-044	11/01/12 04:30
GW0789	2J31029-MS2	103112B-045	11/01/12 04:48
GW0789	2J31029-MSD2	103112B-046	11/01/12 05:05
GW0789	2J31029-DUP2	103112B-047	11/01/12 05:22
Calibration Check	2K31014-CCV4	103112-048	11/01/12 05:40
Calibration Blank	2K31014-CCB4	103112-049	11/01/12 07:14

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31018	Instrument:	WC-Lachat
Calibration:	2310005		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K31018-CAL1	M_11-5-2012_02-01-41PM-00	11/05/12 14:03
Cal Standard	2K31018-CAL2	M_11-5-2012_02-01-41PM-00	11/05/12 14:05
Cal Standard	2K31018-CAL3	M_11-5-2012_02-01-41PM-00	11/05/12 14:06
Cal Standard	2K31018-CAL4	M_11-5-2012_02-01-41PM-00	11/05/12 14:08
Cal Standard	2K31018-CAL5	M_11-5-2012_02-01-41PM-00	11/05/12 14:09
Cal Standard	2K31018-CAL6	M_11-5-2012_02-01-41PM-00	11/05/12 14:11
Cal Standard	2K31018-CAL7	M_11-5-2012_02-01-41PM-00	11/05/12 14:12
Cal Standard	2K31018-CAL8	M_11-5-2012_02-01-41PM-00	11/05/12 14:13
Initial Cal Check	2K31018-ICV1	M_11-5-2012_02-01-41PM-00	11/05/12 14:15
Initial Cal Blank	2K31018-ICB1	M_11-5-2012_02-01-41PM-01	11/05/12 14:16
Blank	2K05024-BLK1	M_11-5-2012_02-01-41PM-01	11/05/12 14:19
LCS	2K05024-BS1	M_11-5-2012_02-01-41PM-01	11/05/12 14:21
GW0774	1210200-01	M_11-5-2012_02-01-41PM-01	11/05/12 14:22
GW0791	1210200-07	M_11-5-2012_02-01-41PM-01	11/05/12 14:29
GW0799	1210200-09	M_11-5-2012_02-01-41PM-02	11/05/12 14:31
GW0800	1210200-11	M_11-5-2012_02-01-41PM-02	11/05/12 14:32
GW0801	1210200-13	M_11-5-2012_02-01-41PM-02	11/05/12 14:34
GW0854	1210200-15	M_11-5-2012_02-01-41PM-02	11/05/12 14:35
GW0864	1210200-17	M_11-5-2012_02-01-41PM-02	11/05/12 14:37
GW0865	1210200-19	M_11-5-2012_02-01-41PM-02	11/05/12 14:38
Calibration Check	2K31018-CCV1	M_11-5-2012_02-01-41PM-02	11/05/12 14:39
Calibration Blank	2K31018-CCB1	M_11-5-2012_02-01-41PM-02	11/05/12 14:41
GW0866	1210200-21	M_11-5-2012_02-01-41PM-02	11/05/12 14:42
GW0867	1210200-23	M_11-5-2012_02-01-41PM-02	11/05/12 14:44
GW0774	2K05024-MS2	M_11-5-2012_02-01-41PM-03	11/05/12 14:57
GW0774	2K05024-MSD2	M_11-5-2012_02-01-41PM-03	11/05/12 14:58
Calibration Check	2K31018-CCV2	M_11-5-2012_02-01-41PM-04	11/05/12 15:00
Calibration Blank	2K31018-CCB2	M_11-5-2012_02-01-41PM-04	11/05/12 15:01

ANALYSIS SEQUENCE SUMMARY

SM4500NH3BG

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31113	Instrument:	WC-Lachat
Calibration:	2311002		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K31113-CAL1	M_11-6-2012_02-30-37PM-00	11/06/12 14:32
Cal Standard	2K31113-CAL2	M_11-6-2012_02-30-37PM-00	11/06/12 14:32
Cal Standard	2K31113-CAL3	M_11-6-2012_02-30-37PM-00	11/06/12 14:33
Cal Standard	2K31113-CAL4	M_11-6-2012_02-30-37PM-00	11/06/12 14:34
Cal Standard	2K31113-CAL5	M_11-6-2012_02-30-37PM-00	11/06/12 14:35
Cal Standard	2K31113-CAL6	M_11-6-2012_02-30-37PM-00	11/06/12 14:36
Cal Standard	2K31113-CAL7	M_11-6-2012_02-30-37PM-00	11/06/12 14:37
Cal Standard	2K31113-CAL8	M_11-6-2012_02-30-37PM-00	11/06/12 14:38
Initial Cal Check	2K31113-ICV1	M_11-6-2012_02-30-37PM-00	11/06/12 14:39
Initial Cal Blank	2K31113-ICB1	M_11-6-2012_02-30-37PM-01	11/06/12 14:40
Blank	2K06002-BLK1	M_11-6-2012_02-30-37PM-01	11/06/12 14:41
LCS	2K06002-BS1	M_11-6-2012_02-30-37PM-01	11/06/12 14:42
GW0774	1210200-01	M_11-6-2012_02-30-37PM-01	11/06/12 14:43
GW0789	1210200-03	M_11-6-2012_02-30-37PM-01	11/06/12 14:44
GW0790	1210200-05	M_11-6-2012_02-30-37PM-01	11/06/12 14:45
GW0791	1210200-07	M_11-6-2012_02-30-37PM-01	11/06/12 14:46
GW0799	1210200-09	M_11-6-2012_02-30-37PM-01	11/06/12 14:47
GW0800	1210200-11	M_11-6-2012_02-30-37PM-01	11/06/12 14:48
GW0801	1210200-13	M_11-6-2012_02-30-37PM-01	11/06/12 14:49
GW0864	1210200-17	M_11-6-2012_02-30-37PM-02	11/06/12 14:50
GW0854	1210200-15	M_11-6-2012_02-30-37PM-02	11/06/12 14:50
GW0865	1210200-19	M_11-6-2012_02-30-37PM-02	11/06/12 14:51
Calibration Check	2K31113-CCV1	M_11-6-2012_02-30-37PM-02	11/06/12 14:52
Calibration Blank	2K31113-CCB1	M_11-6-2012_02-30-37PM-02	11/06/12 14:53
GW0866	1210200-21	M_11-6-2012_02-30-37PM-02	11/06/12 14:54
GW0867	1210200-23	M_11-6-2012_02-30-37PM-02	11/06/12 14:55
Calibration Check	2K31113-CCV2	M_11-6-2012_02-30-37PM-03	11/06/12 15:06
Calibration Blank	2K31113-CCB2	M_11-6-2012_02-30-37PM-03	11/06/12 15:07

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31116	Instrument:	WC-IC
Calibration:	2311004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K31116-CAL1	110212-005	11/02/12 13:45
Cal Standard	2K31116-CAL2	110212-006	11/02/12 14:02
Cal Standard	2K31116-CAL3	110212-007	11/02/12 14:20
Cal Standard	2K31116-CAL4	110212-008	11/02/12 14:37
Cal Standard	2K31116-CAL5	110212-009	11/02/12 14:54
Cal Standard	2K31116-CAL6	110212-010	11/02/12 15:12
Cal Standard	2K31116-CAL7	110212-011	11/02/12 15:29
Cal Standard	2K31116-CAL8	110212-012	11/02/12 15:47
Initial Cal Check	2K31116-ICV1	110212-013	11/02/12 16:04
Initial Cal Blank	2K31116-ICB1	110212-014	11/02/12 16:22

ANALYSIS SEQUENCE SUMMARY

E353.2

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31211	Instrument:	WC-Lachat
Calibration:	2312003		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Cal Standard	2K31211-CAL1	M_11-7-2012_12-17-33PM-00	11/07/12 12:19
Cal Standard	2K31211-CAL2	M_11-7-2012_12-17-33PM-00	11/07/12 12:21
Cal Standard	2K31211-CAL3	M_11-7-2012_12-17-33PM-00	11/07/12 12:22
Cal Standard	2K31211-CAL4	M_11-7-2012_12-17-33PM-00	11/07/12 12:23
Cal Standard	2K31211-CAL5	M_11-7-2012_12-17-33PM-00	11/07/12 12:25
Cal Standard	2K31211-CAL6	M_11-7-2012_12-17-33PM-00	11/07/12 12:26
Cal Standard	2K31211-CAL7	M_11-7-2012_12-17-33PM-00	11/07/12 12:28
Cal Standard	2K31211-CAL8	M_11-7-2012_12-17-33PM-00	11/07/12 12:29
Initial Cal Check	2K31211-ICV1	M_11-7-2012_12-17-33PM-00	11/07/12 12:31
Initial Cal Blank	2K31211-ICB1	M_11-7-2012_12-17-33PM-01	11/07/12 12:32
GW0789	1210200-03RE1	M_11-7-2012_12-17-33PM-01	11/07/12 12:38
GW0790	1210200-05RE1	M_11-7-2012_12-17-33PM-01	11/07/12 12:39
Calibration Check	2K31211-CCV1	M_11-7-2012_12-17-33PM-02	11/07/12 12:51
Calibration Blank	2K31211-CCB1	M_11-7-2012_12-17-33PM-02	11/07/12 12:52

ANALYSIS SEQUENCE SUMMARY

E300.0

Laboratory:	Empirical Laboratories, LLC	SDG:	Kirtland_066
Client:	Shaw E & I (I700)	Project:	Kirtland AFB 2011
Sequence:	2K31212	Instrument:	WC-IC
Calibration:	2311004		

Sample Name	Lab Sample ID	Lab File ID	Analysis Date/Time
Calibration Check	2K31212-CCV1	110512-003	11/05/12 17:34
Calibration Blank	2K31212-CCB1	110512-004	11/05/12 17:52
Instrument RL Check	2K31212-CRL1	110512-005	11/05/12 18:09
Instrument RL Check	2K31212-CRL2	110512-006	11/05/12 18:27
LCS	2K05015-BS1	110512-008	11/05/12 19:01
Blank	2K05015-BLK1	110512-010	11/05/12 19:36
GW0790	1210200-05	110512-011	11/05/12 19:54
GW0791	1210200-07	110512-012	11/05/12 20:11
GW0799	1210200-09	110512-013	11/05/12 20:28
GW0800	1210200-11	110512-014	11/05/12 20:46
GW0801	1210200-13	110512-015	11/05/12 21:03
GW0854	1210200-15	110512-016	11/05/12 21:21
GW0864	1210200-17	110512-017	11/05/12 21:38
GW0864	2K05015-MS1	110512-018	11/05/12 21:55
GW0864	2K05015-MSD1	110512-019	11/05/12 22:13
GW0864	2K05015-DUP1	110512-020	11/05/12 22:30
Calibration Check	2K31212-CCV2	110512-021	11/05/12 22:48
Calibration Blank	2K31212-CCB2	110512-022	11/05/12 23:05
GW0865	1210200-19	110512-023	11/05/12 23:23
GW0866	1210200-21	110512-024	11/05/12 23:40
GW0867	1210200-23	110512-025	11/05/12 23:57
Calibration Check	2K31212-CCV3	110512-026	11/06/12 00:15
Calibration Blank	2K31212-CCB3	110512-027	11/06/12 00:32