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TECHNICAL MEMORANDUM FOR BRAVO VALVE PIT AND RUNWAY NUMBER 7 VALVE PIT BOCA CHICA AT NAS KEY WEST FL

09/10/2012

ARDAMAN & ASSOCIATES, INC.

Ardaman & Associates, Inc.

Geotechnical, Environmental and Materials Consultants

September 10, 2012
Ardaman File No. 11-2168

Small Business Group, dba SBG-EEG
10179 Highway 78
Ladson, South Carolina 29456

Attention: Mr. Tom McElwee, mcelwee@SBG-EEG.com

TECHNICAL MEMORANDUM
KEY WEST NAVAL AIR STATION PROJECT
BRAVO VALVE PIT & RUNWAY #7 VALVE PIT
BOCA CHICA KEY, MONROE COUNTY, FLORIDA
FDEP FACILITY ID NO'S. 9400050 & 9812951

1.0 INTRODUCTION

Small Business Group, dba SBG-EEG (SBG) authorized Ardaman & Associates, Inc. (Ardaman) to conduct a limited soil and groundwater assessment at the above reference subject property and to prepare this Technical Memorandum.

All field work was performed by 40-hour OSHA HAZWOPER trained personnel. The sampling work was conducted by Mr. William Dunning, a Senior Technician for the Environmental Department of the West Palm Beach branch of Ardaman, and under the direct supervision of Mr. Andrew J. Nixon, P.E., a Florida licensed Professional Engineer and Project Engineer for the West Palm Beach branch of Ardaman. In addition, the drilling work was performed by a Water Well Contractor licensed (Dan Groover - License No. 11124) in the State of Florida. This Technical Memorandum was prepared in general accordance with the assessment guidelines outlined in Chapter 62-770, Florida Administrative Code (FAC) by Mr. Andrew Nixon, P.E.

2.0 SITE INFORMATION & BACKGROUND

2.1 SITE LOCATION

Ardaman's field work was conducted at the Naval Air Station Key West (NASKW) facility located on Boca Chica Key in Monroe County, Florida as depicted on Figure 1 (Appendix 1). The NASKW site is located near Mile Marker 8 (MM 8) on US Highway One (Overseas Highway), approximately 4 miles east of the central business district of Key West, Florida.

2.2 BACKROUND INFORMATION

According to the Soil and Groundwater Assessment Letter Report, dated November 20, 2009, that was prepared by Cherokee Enterprises, Inc., Jet-A fuel was observed in excavations associated with repairs to the underground transfer lines, located near the Bravo Valve Pit and the Runway #7 Valve Pit. Subsequently, free product was recovered from the excavations and contaminated soil was excavated; both of which were disposed of off-site. Groundwater samples were collected from the open pits and found to be contaminated with chlorinated solvents, but not petroleum constituents. The FDEP has requested that formal groundwater samples be collected via monitoring wells. As indicated in the Statement of Work provided by

SBG, Ardaman was retained in 2011/2012 to install monitoring wells at each location; Bravo Valve Pit and Runway #7 Valve Pit. The soil would also be assessed at each location prior to the installation of said monitoring wells.

3.0 SAMPLING METHODOLOGY

All samples collected as part of this assessment were collected in general compliance with the Florida Department of Environmental Protection Standard Operating Procedures for Field Activities (DEP-SOP-001/01, March 31, 2008). Clean latex gloves were worn while collecting each sample, and were changed between sample locations to minimize the risk for cross-contamination of samples. Upon collection, samples were placed in laboratory-supplied containers, stored in a cooler with ice, and submitted to TestAmerica Laboratories, Inc. (TestAmerica), a National Environmental Laboratory Accreditation Conference (NELAC) certified laboratory and Navy Approved laboratory. Samples were analyzed for the Chapter 62-770, FAC Table C used oil group using EPA methods 8082, 8260, 8270, FLPRO, and 4 RCRA metals, which is subsequently referred to as the Contaminants of Concern (COC). The laboratory analytical report, chain of custody forms, and groundwater sampling logs are included in Appendix 2.

After the collection of soil samples and the installation of the monitoring well at the Bravo Valve Pit and before the field work for the Runway #7 Valve Pit, an equipment blank of deionized rinsate water was collected following completion of standard decontamination procedures. The rinsate sample (EQB-1) was submitted to the laboratory for analysis of the COC. Total Recoverable Hydrocarbons (TRPH) and chromium were detected; however, at relatively low concentrations. Bis(2-ethylhexyl) phthalate was also detected in the equipment blank sample at a concentration higher than the FDEP drinking water guidelines. It appears the Bis(2-ethylhexyl) phthalate is related to the long term storage of deionized water in plastic containers. Ardaman ordered the sampling kit from TestAmerica in November of 2011, when the field work was originally scheduled. The sampling kit included deionized water stored in plastic cubicle containers. The deionized water is used in the final step of the decontamination procedures to collect the equipment blank. The project was delayed for several months and eventually conducted in April of 2012. It appears that bis(2-ethylhexyl) phthalate, which is an organic compound related to plastics, leached into the deionized water during the long term storage. In any event, bis(2-ethylhexyl) phthalate was not detected in either groundwater sample and was detected at relatively low concentrations in the soil samples, not exceeding any Soil Cleanup Target Levels (SCTL), as listed in Chapter 62-777, FAC. Therefore, in our professional opinion, the laboratory data is valid and representative of the actual conditions at the project site.

4.0 SOIL ASSESSMENT

On April 10, 2012, Ardaman advanced 2 soil borings (SB-1 & SB-2) at the locations designated by SBG (see figures and photographs provided by SBG in Appendix 3). SB-1 was performed near Bravo Valve Pit and SB-2 was performed near Runway #7 Valve Pit at the approximate locations depicted on Figure 2. The soil borings were advanced using a truck mounted drill rig equipped with a stainless steel split spoon sampling device to the depth of the groundwater, which was encountered at a depth of approximately 2 feet below land surface (bls). Soil samples were collected from the vadose zone for screening of organic vapors during advancement of the soil borings at the depth intervals of 0-1 feet and 1-2 feet bls. Each soil sample was placed in a 16-oz. jar until half-filled, and covered. Readings were obtained from the headspace of the sample jars five minutes after placement in the jars, using a calibrated Model 580B OVM Photoionization Detector (PID). The soil screening process was conducted in

accordance with Chapter 62-770.200(19) Florida Administrative Code. All soil samples screened exhibited organic vapors concentrations below the PID detection limit (0.1 ppm). Furthermore, no staining or odors were detected.

A discrete soil sample (SS-1 and SS-2) was submitted for laboratory analysis from each boring at a depth interval of about 1-2 feet bls, just above the water table. SS-1 was collected from the boring performed near Bravo Valve Pit and SS-2 was collected from the boring performed near Runway #7 Valve Pit. These two soil samples were analyzed for the COC.

The laboratory data is summarized on Table 1 provided in Appendix 1. Arsenic and benzo(a)pyrene were detected in sample SS-1 (Bravo Valve Pit) at concentrations that exceed their respective Residential Direct Exposure SCTL, as listed in Chapter 62-777, FAC; however, are below their respective Commercial Direct Exposure SCTL, also as listed in Chapter 62-777, FAC. Please note that benzo(a)pyrene was calculated using FDEP's equivalency procedure and spreadsheet, which is provided in Appendix 1. The concentrations of all other COC's in SS-1 were found below their respective SCTL. In addition, the concentrations of all COC's in SS-2 were found below their respective SCTL.

5.0 GROUNDWATER ASSESSMENT

On April 10, 2012, at the same location of SB-1 and SB-2, shallow monitoring wells (MW-1 and MW-2) were installed with a truck mounted drill rig using the mud rotary method to a depth of approximately 12 feet bls. MW-1 was installed near Bravo Valve Pit and MW-2 was installed near Runway #7 Valve Pit at the approximate locations depicted on Figure 2. Due to the very shallow water table, the top of the well screen was placed at 2 feet bls in order to allow the proper placement of the filter pack above the screen, filter pack seal, and surface seal. The wells were constructed with two feet of 2-inch diameter, flush threaded, Schedule 40-PVC casing coupled to a ten-foot length of 0.010-inch slotted PVC well screen. The annular space between the screens and the boreholes were packed with 20-30 grade silica sand to at least one foot above the screened interval. A three-inch thick bentonite seal was placed on top of the sand pack. The remainder of the well's annulus was grouted to the surface with neat cement to prevent the migration of surface contaminants along the borehole. The monitoring wells were completed at the surface with 8-inch diameter, cast iron, flush mounted, meter-box type vault set in a 2 ft by 2 ft concrete pad. The well was fitted with a locking cap. Please refer to Figure 3 for a detail of the well construction. The monitoring wells were developed by surging and over-pumping until the discharge water appeared sediment-free.

On April 11, 2012, a groundwater sample was collected from each well. Field measurements (pH, conductivity, temperature, dissolved oxygen, turbidity, color & odor) were collected using a calibrated YSI Incorporated Model 556 Multi-Probe System (MPS) and a HACH Turbidimeter Model 2100P. A variable speed peristaltic pump was used to purge the groundwater from each monitor well. The monitor well purge was considered complete when the groundwater parameters listed above reached the stated limits established in the SOP manual. The groundwater samples were transferred to laboratory supplied containers by the "straw and after peristaltic pump" method. As previously described, groundwater samples were collected and transported in accordance with the FDEP's Standard Operating Procedure (FDEP-SOP-001/01). The groundwater samples were analyzed for the COC.

The laboratory data is summarized on Table 2 provided in Appendix 1. Arsenic was detected in the groundwater sample collected from MW-2 (Runway #7 Valve Pit) at a concentration that exceeds the Groundwater Cleanup Target Level (GCTL), as listed in Chapter 62-777, FAC. The

arsenic concentration is below the Natural Attenuation Default Concentration (NADC), as listed in Chapter 62-777, FAC. All other COC's in MW-2 were found at concentrations below their respective GCTL. In addition, all COC's in MW-1 were found at concentrations below their respective GCTL.

6.0 IDW DISPOSAL

The environmental activities described above produced various investigation-derived waste (IDW) including but not limited to: decontamination fluids; soil cuttings; well development water; and well purge water. Therefore, IDW was drummed onsite until it was characterized and properly disposed of off-site. The IDW was disposed of by EMC Oil Corporation. Copies of the waste manifests are provided in Appendix 4.

7.0 CONCULSION & RECOMMENDATIONS

This Report summarizes the soil and groundwater sampling results at the NASKW Bravo and Runway 7 valve pits. This Project will be transferred to the ERN (funding) Program for further evaluation by the NASKW Partnering Team. Nevertheless, as the data herein indicates, the soil at the location of SB-1 (Bravo Valve Pit) has been impacted by Polynuclear Aromatic Hydrocarbons (benzo(a)pyrene) and arsenic. The calculated benzo(a)pyrene equivalent is equal to 0.19 mg/kg, which exceeds the Residential Direct Exposure Soil Cleanup Target Level (SCTL) of 0.1 mg/kg, but is below the Commercial Direct Exposure SCTL of 0.7 mg/kg. In addition, arsenic was detected at a concentration of 2.60 mg/kg, which exceeds the Residential Direct Exposure SCTL of 2.1 mg/kg, but is below the Commercial Direct Exposure SCTL of 12 mg/kg. The groundwater has not been impacted as evident by the laboratory data. At this time, this site (Bravo Valve Pit) does not meet the requirements listed in Chapter 62-770.680, FAC to qualify for either a No Further Action (NFA) or a Conditional No Further Action (Conditional NFA). There are several options moving forward in regards to the arsenic and benzo(a)pyrene detected in the soil at this location:

1.) In order for the site to qualify for a NFA, the contaminated soil needs to be remediated. Remediation can be either in the form of a Source Removal, where the contaminated soils are removed, or in the form of an in-situ remediation system. In either case, the contaminated soil needs to be removed/remediated to the Residential Direct Exposure SCTLs.

2.) There are two options for this site to qualify for Conditional NFA status:

a.) An institutional control may be implemented that restricts the site from being used for residential purposes so that the Commercial SCTLs may be utilized. As previously indicated, both the detected arsenic concentration and calculated benzo(a)pyrene concentration are below the Commercial SCTL. An institutional control is a restriction that is placed on the deed of the "Real Property" that states the property is not used for residential purposes and will not be used for residential purposes in the foreseeable future. This provides an assurance that the property will remain commercial/industrial. Institutional controls must also be registered with the FDEP.

b.) It is possible to qualify for Conditional NFA without changing the use of the site by using a combination of engineering and institutional controls. An engineering control in the form of a cover, which can either consist of pavement or 2 feet of clean fill, may be placed over the contamination to prevent direct exposure. An institutional control (deed restriction) consisting of a digging restriction must also be implemented, along with assurances that the cover will be maintained. However, in this case, the extent of contaminated must first be determined so that the size of the cover may be established.

In regards to the Runway #7 Valve Pit, the soil has not been impacted as evident by laboratory data. Arsenic was detected at a concentration of 13 µg/L in the groundwater sample collected from the monitoring well (MW-2) installed at this location. The arsenic concentration exceeds the Groundwater Cleanup Target Level (GCTL) of 10 µg/L , but is below the Natural Attenuation Default Concentration (NADC) of 100 µg/L. Arsenic is not related to the fuel release reported at this pit. In Ardaman's professional opinion, no further assessment activities are warranted at the Runway #7 Valve Pit in regards to the fuel release; however, further inquiry is needed in regards to the arsenic. It has been reported by Tracie Bolanos of the Florida Department of Environmental Protection that the background concentration for arsenic in the groundwater at this site is 9.9 µg/L. At this time, this site (Runway #7 Valve Pit) does not meet the requirements listed in Chapter 62-770.680, FAC to qualify for either a NFA or a Conditional NFA. There are several options moving forward in regards to the arsenic detected in the groundwater at this location:

1.) In order for the site to qualify for a NFA, the contaminated groundwater first needs to be assessed and then remediated, either actively or passively. This involves determining the horizontal and vertical extent of the arsenic impacts, and possibly determining the source. Then, developing an appropriate remediation strategy or monitoring plan. In either case, the contaminated groundwater needs to be remediated/monitored until the concentrations are below the GTCLs.

2.) There are two options for this site to qualify for Conditional NFA status:

a.) An institutional control in the form of groundwater use restrictions may be placed on the deed of the property. However, in this case, the extent of contamination must first be determined in order to confirm that the contamination does not extend off-site, is not larger than 1/4 acre in area, and is not migrating.

b.) The groundwater at the site may qualify as a low yield or poor quality aquifer. If such is the case, the Groundwater of Low Yield/Poor Quality GCTL may be utilized, which for arsenic is 100 µg/L. A groundwater use restriction must also be placed on the deed of the property. In this case, it must first be proven that the groundwater is of poor quality or low yield.

Please don't hesitate to contact us if you have any questions or require additional information.

ARDAMAN & ASSOCIATES, INC.

Andrew Nixon, P.E.
Project Engineer
anixon@ardaman.com

Attachments: Appendix 1 – Figures & Tables
Appendix 2 – Laboratory Results & Groundwater Sampling Log
Appendix 3 – SBG Supplied Information
Appendix 4 – Waste Disposal Manifests

PROFESSIONAL ENGINEER CERTIFICATION

I, Andrew J. Nixon, P.E. # 71458, certify that I currently hold an active license in the state of Florida and am competent through education to provide the engineering service contained in this report. I further certify that, in my professional judgment, this report was prepared in general accordance with the assessment guidelines outlined in Chapter 62-770, Florida Administrative Code. The *Technical Memorandum* for the *Key West Naval Air Station Project* has been prepared under my responsible charge, supervision and direct control.

I certify that Ardaman & Associates, Inc. holds an active certificate of authorization #5950 to provide the engineering service. The report, in accordance with the provisions of Chapter 471, Florida Statutes, conforms to current standards of Engineering Practices and Principles and meets applicable professional standards.

Date September 2022

Andrew J. Nixon, P.E.

State of Florida P.E. #71458

ANDREW JOSEPH NIXON
LICENSE
No. 71458
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

APPENDIX 1

FIGURES & TABLES

Ardaman & Associates, Inc.

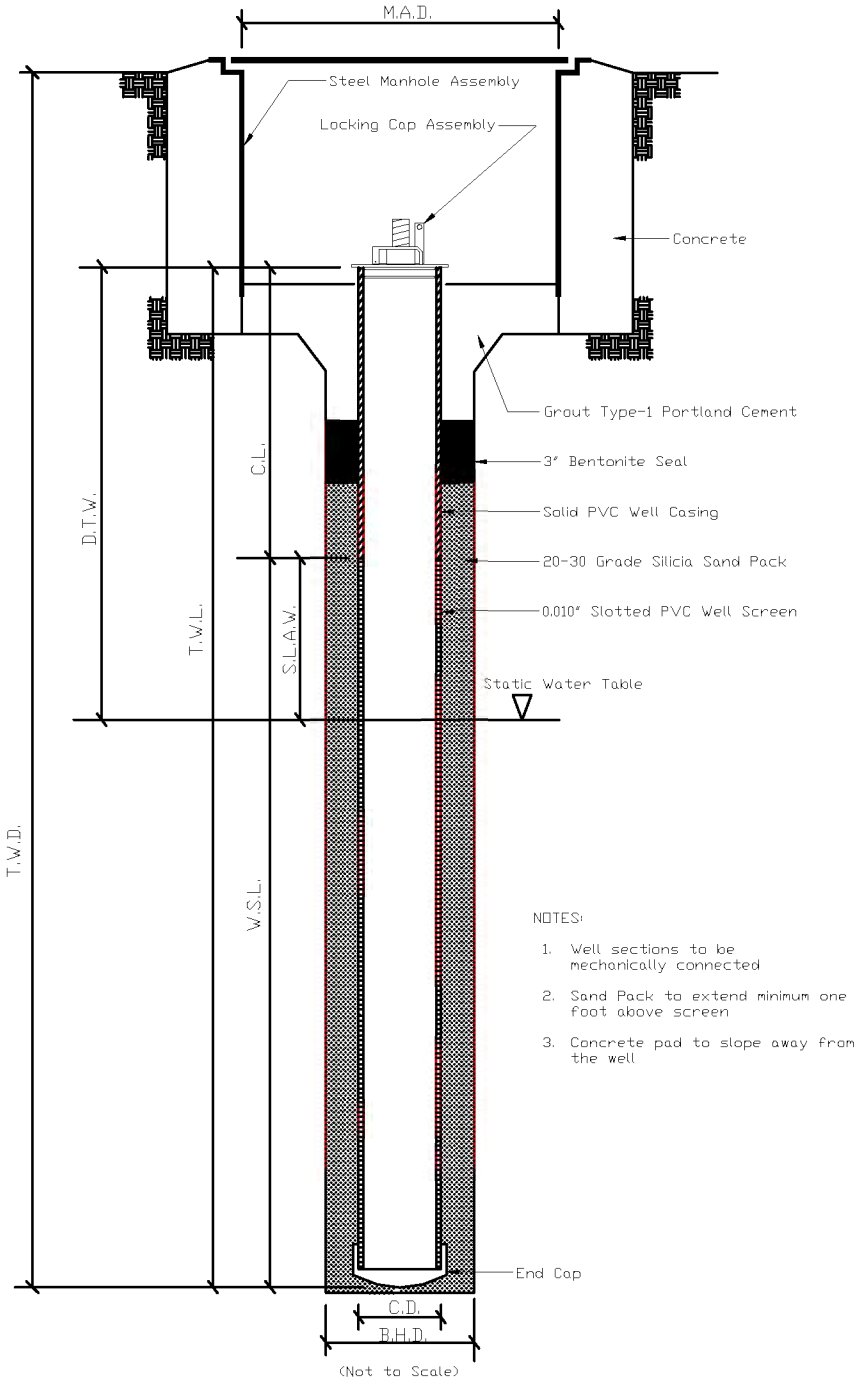
N.T.S.

Ardaman & Associates, Inc. Geotechnical, Environmental & Materials Consultants 2200 N. Florida Mango Road, Suite 101 West Palm Beach, Florida 33409 Phone: (561) 687 8200 / Fax: (561) 640 7375	NAS KEY WEST BRAVO & RUNWAY #7 VALVE PITS BOCA CHICA KEY, FLORIDA	SITE VICINITY MAP Figure No. 1	File No.: 11-2168 Prepared By: AN Date: 05/29/12

N.T.S.

Ardaman & Associates, Inc. Geotechnical, Environmental & Materials Consultants 2200 N. Florida Mango Road, Suite 101 West Palm Beach, Florida 33409 Phone: (561) 687 8200 / Fax: (561) 640 7375	NAS KEY WEST BRAVO & RUNWAY #7 VALVE PITS BOCA CHICA KEY, FLORIDA	SAMPLING LOCATION PLAN Figure No. 2	File No.: 12-2168 Prepared By: AN Date: 05/29/12

SHALLOW MONITORING WELL



NOTES:

1. Well sections to be mechanically connected
2. Sand Pack to extend minimum one foot above screen
3. Concrete pad to slope away from the well

Depth to Water (D.T.W.)	2 ft
Total Well Depth (T.W.D.)	12.2 ft
Total Well Length (T.W.L.)	12 ft
Well Screen Above Water (S.L.A.W.)	N/A
Well Screen Length (W.S.L.)	10 ft
Well Casing Diameter (C.D.)	2 in
Well Borehole Diameter (B.H.D.)	4.5 in
Well Casing Length (C.L.)	2 ft
Manhole Assembly Diameter (M.A.D.)	8 in

Ardaman & Associates, Inc.

Geotechnical, Environmental and Materials Consultants

Shallow Monitoring Well Construction Diagram

Naval Air Station Key West
Key West, Monroe County, Florida

DRAWN BY: ANDREW J. NIXON, P.E.		DATE: 15/29/12
FILE NO: 11-2168	APPROVED BY: Andrew J. Nixon, P.E.	FIGURE: 3

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Ardaman & Associates, Inc.

Geotechnical, Environmental and Materials Consultants

AAI File No. 11-2168

TABLE 1: SOIL ANALYTICAL SUMMARY

Facility Name: Key West Naval Air Station
Boca Chica, Florida

Analytical Results = ppm (mg/Kg)

Sample ID		SS-1		SS-2		Residential Direct Exposure SCTL*:	Commercial Direct Exposure SCTL*:	Leachability Based on Groundwater Criteria SCTL*:
Location		Bravo Valve Pit		Runway #7 Valve Pit				
Depth Collected		1-2'		1-2'				
Date Collected		4/10/2012		4/10/2012				
Analyte	Benzo(a) anthracene	0.16	I	0.038	U	#	#	0.8
	Benzo(b) fluorathene	0.17	I	0.043	U	#	#	2.4
	Benzo(k) fluoranthene	0.088	I	0.074	U	#	#	24
	Chrysene	0.16	I	0.038	U	#	#	77
	Dibenz(a,h) anthracene	0.046	U	0.044	U	#	#	0.7
	Indeno(1,2,3-c,d) Pyrene	0.079	I	0.038	U	#	#	6.6
	Benzo(a) pyrene	0.13	I	0.059	U	#	#	#
	Total Converted Benzo(a) pyrene Equivalents	***0.19***		N/A		0.1	0.7	8.0
	Benzo(g,h,i) perylene	0.083	I	0.038	U	2500	52000	32000
	Bis(2-ethylhexyl) phthalate	0.049	I	0.040	I	72	390	3600
	Fluoranthene	0.26	I	0.038	U	3200	59000	1200
	Phenanthrene	0.082	I	0.038	U	2200	36000	250
	Pyrene	0.23	I	0.038	U	2400	45000	880
	PCB-1260	0.013	I	0.0076	U	0.5	2.6	17
	Arsenic	***2.60***		0.89	U	2.1	12	***
	Cadmium	0.80		0.22	U	82	1700	7.5
	Chromium	13		2.40		210	470	38
	Lead	65		0.74	I	400	1400	***

* Soil Cleanup Target Level (SCTL), as provided by Chapter 62-777, Florida Administrative Code

*** Leachability values may be derived using the SPLP Test to calculate site-specific SCTLs

Bold & Italicized = Exceeds SCTL

U = Compound was analyzed for but not detected above the laboratory detection limit

I = The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL)

= Converted to Benzo(a)pyrene Equivalents. See appropriate Benzo(a)pyrene Conversion Table.

Note: All other constituents analyzed for were found to be below their respective MDL's

Benzo(a)pyrene Conversion, Table 1a

For Direct Exposure Soil Cleanup Target Levels

Site Name:	Key West Naval Station
Location:	Boca Chica, Florida
Facility ID No.:	9812951
Soil Sample No.	SS-1 (Bravo Valve Pit)
Sample Date	10-Apr-12
Location:	SS-1
Depth (ft):	1-2'

INSTRUCTIONS: Calculate Total Benzo(a)pyrene Equivalents if at least one of the carcinogenic PAHs is detected in the sample at a concentration equal to or higher than the Method Detection Limit (MDL), whether quantified with certainty (the concentration reported has no qualifier) or estimated (the concentration reported has a "J", "T" or "I" qualifier). Enter the contaminant concentrations (in mg/kg) for all seven carcinogenic PAHs in the yellow boxes using the following criteria (and see table below):

1. If quantified with certainty, or estimated and has the "J" qualifier, enter the reported value;
2. If not detected at the MDL (the concentration reported is the MDL followed by the "U" qualifier) enter 1/2 of the reported value;
3. If detected at a concentration lower than the MDL and the concentration is estimated (has the "T" qualifier) enter the estimated value;
4. If detected at a concentration equal to or higher than the MDL but lower than the Practical Quantitation Limit (PQL) and the concentration is estimated (has the "I" qualifier) enter the estimated value;
5. If detected at a concentration equal to or higher than the MDL but lower than the PQL and it is not estimated (the concentration reported is the PQL followed by the "M" qualifier) enter 1/2 of the reported value.

Contaminant	Concentration (mg/kg)	Toxic Equivalency Factor	Benzo(a)pyrene Equivalents
Benzo(a)pyrene	0.130	1.0	0.130
Benzo(a)anthracene	0.160	0.1	0.016
Benzo(b)fluoranthene	0.170	0.1	0.017
Benzo(k)fluoranthene	0.088	0.01	0.001
Chrysene	0.160	0.001	0.000
Dibenz(a,h)anthracene	0.023	1.0	0.023
Indeno(1,2,3-cd)pyrene	0.079	0.1	0.008

DE Residential = 0.1 mg/kg; DE Industrial = 0.7 mg/kg

Total Benzo(a)pyrene Equivalents = 0.19

The concentration shown EXCEEDS the Residential Direct Exposure SCTL of 0.1 mg/kg.

The concentration shown does not exceed the Industrial Direct Exposure SCTL of 0.7 mg/kg.

Summary Criteria for Table Entries			
Detection	**Concentration Reported**	**Data Qualifier**	**Enter**
Various	Quantified with certainty	None	reported value
Various	Estimated	J	reported (estimated) value
ND at MDL	MDL	U	1/2 reported value
< MDL	Estimated	T	reported (estimated) value
≥ MDL but < PQL	Estimated	I	reported (estimated) value
≥ MDL but < PQL	PQL	M	1/2 reported value

Ardaman & Associates, Inc.

Geotechnical, Environmental and Materials Consultants

AAI File No. 11-2168

TABLE 2: GROUNDWATER ANALYTICAL SUMMARY

Facility Name: Key West Naval Air Station
Boca Chica, Florida

Analytical Results = ppm (mg/L)

Sample			Fluoranthene		Arsenic	
ID	**Location**	**Date**				
MW-1	Bravo Valve Pit	4/11/2012	0.0016	I	0.0096	I
MW-2	Runway #7 Valve Pit	4/11/2012	0.0010	U	***0.013***	I
Groundwater Cleanup Target Level (GCTL)*:			0.28		0.01	
Natural Attenuation Default Concentration (NADC)*:			2.8		0.1	

* As provided by Chapter 62-777, Florida Administrative Code

Bold & Italicized = Exceeds GCTL

U = Compound was analyzed for but not detected above the laboratory method detection limit

I = The reported value is between the laboratory method detection limit (MDL) and the practical quantitation limit (PQL)

Note: All other constituents analyzed for were found to be below their respective MDL's

APPENDIX 2

LABORATORY RESULTS & GROUNDWATER SAMPLING LOG

Ardaman & Associates, Inc.

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

ANALYTICAL REPORT

TestAmerica Laboratories, Inc.
TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404
Tel: (912)354-7858

TestAmerica Job ID: 680-78497-1
TestAmerica Sample Delivery Group: AKW01
Client Project/Site: Key West Naval Air Station - APR 2012

For:
Ardaman & Associates Inc.
2200 N. Florida Mango Road
West Palm Beach, Florida 33409

Attn: Andrew Nixon

Authorized for release by:
5/7/2012 9:33:09 AM

Lidya Gulizia
Project Manager II
lidya.gulizia@testamericainc.com

LINKS

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The test results in this report meet all 2003 NELAC and 2009 TNI requirements for accredited parameters, exceptions are noted in this report. This report may not be reproduced except in full, and with written approval from the laboratory. For questions please contact the Project Manager at the e-mail address or telephone number listed on this page.

This report has been electronically signed and authorized by the signatory. Electronic signature is intended to be the legally binding equivalent of a traditionally handwritten signature.

Results relate only to the items tested and the sample(s) as received by the laboratory.

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Job ID: 680-78497-1

Laboratory: TestAmerica Savannah

Narrative

CASE NARRATIVE

Client: Ardaman & Associates Inc.

Project: Key West Naval Air Station - APR 2012

Report Number: 680-78497-1

With the exceptions noted as flags or footnotes, standard analytical protocols were followed in the analysis of the samples and no problems were encountered or anomalies observed. In addition all laboratory quality control samples were within established control limits, with any exceptions noted below. Each sample was analyzed to achieve the lowest possible reporting limit within the constraints of the method. In some cases, due to interference or analytes present at high concentrations, samples were diluted. For diluted samples, the reporting limits are adjusted relative to the dilution required.

Calculations are performed before rounding to avoid round-off errors in calculated results.

All holding times were met and proper preservation noted for the methods performed on these samples, unless otherwise detailed in the individual sections below.

RECEIPT

The samples were received at TestAmerica Savannah on 04/12/2012; the samples arrived in good condition, properly preserved and on ice. The temperatures of the 3 coolers at receipt time at TestAmerica Savannah were 0.40 C, 0.40 C and 0.60 C.

Soil samples were collected on 04/10/2012 and were delivered to the Ft. Lauderdale Service Center at a temperature above 6.0 C. The samples were repacked for shipment to Savannah and were received as described above. No anomalies were noted for the aqueous samples collected on 04/11/2012 which were received at the laboratory on 04/12/2012.

An equipment blank sample (EQB-1) was noted on the aqueous chain-of-custody (COC) record, however, no parameters were marked for analysis although a full array of bottles were received. The client was contacted and authorized the analysis of the EQB-1 sample for all parameters required on the project field samples.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples SS-1 (680-78497-5) and SS-2 (680-78497-6) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were prepared on 04/12/2012 and analyzed on 04/16/2012.

No difficulties were encountered during the volatiles analyses.

All quality control parameters were within the acceptance limits.

VOLATILE ORGANIC COMPOUNDS (GC-MS)

Samples MW-1 (680-78497-1), MW-2 (680-78497-2), EQB-1 (680-78497-3), Trip Blank (680-78497-4) and Trip Blank (680-78497-7) were analyzed for Volatile Organic Compounds (GC-MS) in accordance with EPA SW-846 Method 8260B. The samples were analyzed on 04/16/2012 and 04/18/2012.

A full list spike was utilized for this method. Due to the large number of spiked analytes, there is a high probability that one or more analytes will recover outside acceptance limits. The laboratory's SOP allows for 4 analytes to recover outside criteria for this method when a full list spike is utilized. The LCS associated with batch 234405 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The LCS/LCSD associated with batch 234656 had 1 analyte outside control limits; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

Job ID: 680-78497-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

The continuing calibration verification (CCV) for analytical batch 234405 and 2345473 exceeded average % Drift (%D) control criteria. These are in-house criteria established because limits for these compounds are not specified in the reference method. Additionally, %RSDs for all analytes of concern were within established in-house limits; therefore, the data have been reported.

The continuing calibration verification (CCV) for analytical batch 234656 exceeded average % Drift (%D) control criteria. However, these are in-house criteria established because limits for these compounds are not specified in the reference method. Additionally, %RSDs for all analytes of concern were within established in-house limits with the exception of pentachloroethane and acrolein. These compounds are not classified as Calibration Check Compounds (CCCs) in the reference method, and they have been identified as poor performing analytes when analyzed using this method; therefore, the data have been reported.

No other difficulties were encountered during the volatiles analyses.

All other quality control parameters were within the acceptance limits.

1,2-DIBROMOETHANE AND 1,2-DIBROMO-3-CHLOROPROPANE BY MICROEXTRACTION AND GAS CHROMATOGRAPHY
Samples MW-1 (680-78497-1), MW-2 (680-78497-2), EQB-1 (680-78497-3) and Trip Blank (680-78497-4) were analyzed for 1,2-dibromoethane and 1,2-dibromo-3-chloropropane by microextraction and gas chromatography in accordance with EPA SW-846 Method 8011. The samples were prepared on 04/23/2012 and analyzed on 04/24/2012.

Surrogate recovery for the following sample(s) was outside control limits: EQB-1 (680-78497-3), MW-2 (680-78497-2). Re-extraction and/or re-analysis was performed with concurring results. The original analysis has been reported.

No difficulties were encountered during the EDB and DBCP analyses.

All quality control parameters were within the acceptance limits.

SEMIVOLATILE ORGANIC COMPOUNDS (GC-MS)
Samples SS-1 (680-78497-5) and SS-2 (680-78497-6) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/17/2012 and analyzed on 04/24/2012.

Samples MW-1 (680-78497-1), MW-2 (680-78497-2) and EQB-1 (680-78497-3) were analyzed for semivolatile organic compounds (GC-MS) in accordance with EPA SW-846 Method 8270C. The samples were prepared on 04/17/2012 and analyzed on 04/24/2012 and 04/25/2012

The matrix spike/matrix spike duplicate (MS/MSD) for batch 234475 exceeded control limits for the following analyte(s): Benzidine. This compound has been identified as a poor performing analyte when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified. The associated laboratory control sample (LCS) recovery met acceptance criteria.

The matrix spike/matrix spike duplicate (MS/MSD) for batch 234538 exceeded control limits for the following analyte(s): Benzidine and Hexachlorocyclopentadiene. These compounds have been identified as a poor performing analytes when analyzed using this method; therefore, re-extraction/re-analysis was not performed. These results have been reported and qualified.

The grand mean exception, as outlined in EPA Method 8000B, was applied to the initial calibration (ICAL) analyzed in batch 234941 and 235319. This rule states that when one or more compounds in the ICAL fail to meet acceptance criteria, the initial calibration (ICAL) may be used for quantitation if the average %RSD (the grand mean) of all the compounds in the ICAL is less than or equal to 15%RSD. The following compounds are affected: Atrazine, and Benzidine.

Manual integration was performed on the following sample(s) for N-nitrosodimethylamine: (680-78497-5 MS), (680-78497-5 MSD), SS-1 (680-78497-5).

Sample EQB-1 (680-78497-3)[2X] required dilution prior to analysis. The reporting limits have been adjusted accordingly.

No other difficulties were encountered during the SVOC analyses.

Job ID: 680-78497-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

All other quality control parameters were within the acceptance limits.

PESTICIDES AND PCBS

Samples MW-1 (680-78497-1), MW-2 (680-78497-2) and EQB-1 (680-78497-3) were analyzed for Pesticides and PCBs in accordance with EPA SW846 Method 8081A_8082. The samples were prepared on 04/13/2012 and analyzed on 04/16/2012.

Samples SS-1 (680-78497-5) and SS-2 (680-78497-6) were analyzed for Pesticides and PCBs in accordance with EPA SW-846 Method 8081B_8082A. The samples were prepared on 04/17/2012 and analyzed on 04/18/2012.

This method incorporates 2nd column confirmation. Corrective action is not taken for surrogate/spike compounds unless results from both columns are unacceptable. Results outside criteria are qualified.

DCB Decachlorobiphenyl failed the surrogate recovery criteria low for MW-2 (680-78497-2). DCB Decachlorobiphenyl failed the surrogate recovery criteria low for EQB-1 (680-78497-3). Refer to the QC report for details.

No other difficulties were encountered during the Pesticides and PCBs analyses.

All other quality control parameters were within the acceptance limits.

FLORIDA - PETROLEUM RANGE ORGANICS (FL PRO)

Samples SS-1 (680-78497-5) and SS-2 (680-78497-6) were analyzed for Florida - Petroleum Range Organics (FL PRO) in accordance with FL DEP SOP. The samples were prepared on 04/17/2012 and analyzed on 04/20/2012.

Samples MW-1 (680-78497-1), MW-2 (680-78497-2) and EQB-1 (680-78497-3) were analyzed for Florida - Petroleum Range Organics (FL PRO) in accordance with FL DEP SOP. The samples were prepared on 04/16/2012 and analyzed on 04/20/2012.

The matrix spike / matrix spike duplicate (MS/MSD) precision for the following sample associated with batch 234541was outside control limits: (680-78497-5 MS), (680-78497-5 MSD), SS-1 (680-78497-5). Non-homogeneity of the sample matrix is suspected for the matrix spike sample. The associated laboratory control sample (LCS) was within control limits for accuracy. Additionally, the surrogate n-C39 was high biased in the sample, matrix spike , and matrix spike duplicate.

Surrogate recovery for the following samples was outside control limits: (680-78497-5 MS), (680-78497-5 MSD), SS-1 (680-78497-5). Re-extraction and/or re-analysis was performed with concurring results. Both sets of data have been reported.

No other difficulties were encountered during the FL PRO analyses.

All other quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples SS-1 (680-78497-5) and SS-2 (680-78497-6) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 04/17/2012 and analyzed on 04/18/2012.

No difficulties were encountered during the metals analyses.

All quality control parameters were within the acceptance limits.

TOTAL METALS (ICP)

Samples MW-1 (680-78497-1), MW-2 (680-78497-2) and EQB-1 (680-78497-3) were analyzed for total metals (ICP) in accordance with EPA SW-846 Method 6010B. The samples were prepared on 04/17/2012 and analyzed on 04/18/2012.

Lead was detected in method blank MB 680-234479/1-A at a level that was above the method detection limit but below the reporting limit. The value should be considered an estimate, and has been flagged “J”. If the associated sample reported a result above the MDL and/or RL, the result has been “B” flagged. Refer to the QC report for details.

Job ID: 680-78497-1 (Continued)

Laboratory: TestAmerica Savannah (Continued)

No other difficulties were encountered during the metals analyses.

All other quality control parameters were within the acceptance limits.

Sample Summary

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Lab Sample ID	Client Sample ID	Matrix	Collected	Received
680-78497-1	MW-1	Water	04/11/12 09:30	04/12/12 09:22
680-78497-2	MW-2	Water	04/11/12 10:48	04/12/12 09:22
680-78497-3	EQB-1	Water	04/10/12 00:00	04/12/12 09:22
680-78497-4	Trip Blank	Water	04/11/12 00:00	04/12/12 09:22
680-78497-5	SS-1	Solid	04/10/12 09:07	04/12/12 09:22
680-78497-6	SS-2	Solid	04/10/12 13:30	04/12/12 09:22
680-78497-7	Trip Blank	Water	04/10/12 00:00	04/12/12 09:22

Method Summary

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Method	Method Description	Protocol	Laboratory
8260B	Volatile Organic Compounds (GC/MS)	SW846	TAL SAV
8270C	Semivolatile Organic Compounds (GC/MS)	SW846	TAL SAV
8011	EDB, DBCP, and 1,2,3-TCP (GC)	SW846	TAL SAV
8081A_8082	Organochlorine Pesticides & PCBs (GC)	SW846	TAL SAV
8081B/8082A	Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography	SW846	TAL SAV
FL-PRO	Florida - Petroleum Range Organics (GC)	FL-DEP	TAL SAV
6010B	Metals (ICP)	SW846	TAL SAV

Protocol References:

FL-DEP = State Of Florida Department Of Environmental Protection, Florida Administrative Code.

SW846 = "Test Methods For Evaluating Solid Waste, Physical/Chemical Methods", Third Edition, November 1986 And Its Updates.

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Definitions/Glossary

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Qualifiers

GC/MS VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
Q	One or more quality control criteria failed.

GC/MS VOA TICs

Qualifier	Qualifier Description
N	Nontarget analyte: The analyte is a tentatively identified compound (using mass spectroscopy).

GC/MS Semi VOA

Qualifier	Qualifier Description
U	Undetected at the Limit of Detection.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
M	Manual integrated compound.

GC/MS Semi VOA TICs

Qualifier	Qualifier Description
N	Nontarget analyte: The analyte is a tentatively identified compound (using mass spectroscopy).
M	Manual integrated compound.
J	Estimated: The analyte was positively identified; the quantitation is an estimation
Q	One or more quality control criteria failed.

GC Semi VOA

Qualifier	Qualifier Description
M	Manual integrated compound.
Q	One or more quality control criteria failed.
U	Undetected at the Limit of Detection.
J	Estimated: The quantitation is an estimation due to discrepancies in meeting certain analyte-specific quality control criteria.
J	Estimated: The analyte was positively identified; the quantitation is an estimation

Metals

Qualifier	Qualifier Description
J	Estimated: The analyte was positively identified; the quantitation is an estimation
U	Undetected at the Limit of Detection.

Glossary

Abbreviation	These commonly used abbreviations may or may not be present in this report.
	Listed under the "D" column to designate that the result is reported on a dry weight basis
%R	Percent Recovery
CNF	Contains no Free Liquid
DL, RA, RE, IN	Indicates a Dilution, Reanalysis, Re-extraction, or additional Initial metals/anion analysis of the sample
EDL	Estimated Detection Limit
EPA	United States Environmental Protection Agency
MDL	Method Detection Limit
ML	Minimum Level (Dioxin)
ND	Not detected at the reporting limit (or MDL or EDL if shown)
PQL	Practical Quantitation Limit
QC	Quality Control
RL	Reporting Limit
RPD	Relative Percent Difference, a measure of the relative difference between two points
TEF	Toxicity Equivalent Factor (Dioxin)
TEQ	Toxicity Equivalent Quotient (Dioxin)

Detection Summary

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: MW-1 — Lab Sample ID: 680-78497-1

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Fluoranthene	0.0016	J	0.0094	0.00070	mg/L	1		8270C	Total/NA
Arsenic	0.0096	J	0.020	0.0046	mg/L	1		6010B	Total/NA

Client Sample ID: MW-2 — Lab Sample ID: 680-78497-2

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Arsenic	0.013	J	0.020	0.0046	mg/L	1		6010B	Total/NA

Client Sample ID: EQB-1 — Lab Sample ID: 680-78497-3

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.21	J	0.0096	0.0015	mg/L	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate - DL	0.29		0.019	0.0031	mg/L	2		8270C	Total/NA
Total Petroleum Hydrocarbons (C8-C40)	0.15	J	0.29	0.038	mg/L	1		FL-PRO	Total/NA
Chromium	0.0025	J	0.010	0.0012	mg/L	1		6010B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 680-78497-4

No Detections

Client Sample ID: SS-1 — Lab Sample ID: 680-78497-5

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Benzo[a]anthracene	0.16	J	0.39	0.032	mg/Kg	1		8270C	Total/NA
Benzo[a]pyrene	0.13	J	0.39	0.062	mg/Kg	1		8270C	Total/NA
Benzo[b]fluoranthene	0.17	J M	0.39	0.045	mg/Kg	1		8270C	Total/NA
Benzo[g,h,i]perylene	0.083	J	0.39	0.026	mg/Kg	1		8270C	Total/NA
Benzo[k]fluoranthene	0.088	J M	0.39	0.077	mg/Kg	1		8270C	Total/NA
Bis(2-ethylhexyl) phthalate	0.049	J	0.39	0.035	mg/Kg	1		8270C	Total/NA
Chrysene	0.16	J	0.39	0.025	mg/Kg	1		8270C	Total/NA
Fluoranthene	0.26	J	0.39	0.038	mg/Kg	1		8270C	Total/NA
Indeno[1,2,3-cd]pyrene	0.079	J	0.39	0.033	mg/Kg	1		8270C	Total/NA
Phenanthrene	0.082	J	0.39	0.032	mg/Kg	1		8270C	Total/NA
Pyrene	0.23	J	0.39	0.032	mg/Kg	1		8270C	Total/NA
PCB-1260	0.013	J	0.039	0.0080	mg/Kg	1		8081B/8082A	Total/NA
Arsenic	2.6		2.3	0.67	mg/Kg	1		6010B	Total/NA
Cadmium	0.80		0.57	0.11	mg/Kg	1		6010B	Total/NA
Chromium	13		1.1	0.57	mg/Kg	1		6010B	Total/NA
Lead	65		1.1	0.61	mg/Kg	1		6010B	Total/NA

Client Sample ID: SS-2 — Lab Sample ID: 680-78497-6

Analyte	Result	Qualifier	LOQ	DL	Unit	Dil Fac	D	Method	Prep Type
Bis(2-ethylhexyl) phthalate	0.040	J	0.38	0.033	mg/Kg	1		8270C	Total/NA
Chromium	2.4		1.1	0.56	mg/Kg	1		6010B	Total/NA
Lead	0.74	J	1.1	0.59	mg/Kg	1		6010B	Total/NA

Client Sample ID: Trip Blank — Lab Sample ID: 680-78497-7

No Detections

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: MW-1

Date Collected: 04/11/12 09:30
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-1

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.0074	U	0.020	0.0074	mg/L			04/18/12 17:50	1
Acrylonitrile	0.0072	U	0.020	0.0072	mg/L			04/18/12 17:50	1
Benzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:50	1
Bromodichloromethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:50	1
Bromoform	0.00050	U	0.0010	0.00050	mg/L			04/18/12 17:50	1
Bromomethane	0.00080	U	0.0010	0.00080	mg/L			04/18/12 17:50	1
Carbon tetrachloride	0.00050	U	0.0010	0.00050	mg/L			04/18/12 17:50	1
Chlorobenzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:50	1
Chloroethane	0.0010	U Q	0.0010	0.0010	mg/L			04/18/12 17:50	1
2-Chloroethyl vinyl ether	0.00050	U	0.010	0.00026	mg/L			04/18/12 17:50	1
Chloroform	0.00025	U	0.0010	0.00014	mg/L			04/18/12 17:50	1
Chloromethane	0.00033	U	0.0010	0.00033	mg/L			04/18/12 17:50	1
Dibromochloromethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 17:50	1
1,2-Dibromoethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:50	1
1,1-Dichloroethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:50	1
1,2-Dichloroethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 17:50	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00020	mg/L			04/18/12 17:50	1
1,1-Dichloroethene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 17:50	1
1,2-Dichloropropane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 17:50	1
Ethylbenzene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 17:50	1
Methylene Chloride	0.0010	U	0.0050	0.0010	mg/L			04/18/12 17:50	1
Methyl tert-butyl ether	0.00050	U	0.010	0.00020	mg/L			04/18/12 17:50	1
1,1,2,2-Tetrachloroethane	0.00025	U	0.0010	0.00018	mg/L			04/18/12 17:50	1
Tetrachloroethene	0.00025	U	0.0010	0.00015	mg/L			04/18/12 17:50	1
Toluene	0.00033	U	0.0010	0.00033	mg/L			04/18/12 17:50	1
1,1,1-Trichloroethane	0.00050	U	0.0010	0.00050	mg/L			04/18/12 17:50	1
1,1,2-Trichloroethane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 17:50	1
Trichloroethene	0.00025	U	0.0010	0.00013	mg/L			04/18/12 17:50	1
Vinyl chloride	0.00050	U	0.0010	0.00018	mg/L			04/18/12 17:50	1
Xylenes, Total	0.00075	U	0.0020	0.00020	mg/L			04/18/12 17:50	1
1,3-Dichloropropene, Total	0.00050	U	0.0020	0.00011	mg/L			04/18/12 17:50	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*0.74*	*N*	*mg/L*		*0.99*	*124-38-9*		*04/18/12 17:50*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*04/18/12 17:50*	*1*
Dibromofluoromethane	*101*		*70 - 130*		*04/18/12 17:50*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/18/12 17:50*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00094	U	0.0094	0.00072	mg/L		04/17/12 15:04	04/24/12 19:10	1
Acenaphthylene	0.00094	U	0.0094	0.00080	mg/L		04/17/12 15:04	04/24/12 19:10	1
Anthracene	0.00094	U	0.0094	0.00065	mg/L		04/17/12 15:04	04/24/12 19:10	1
Benzidine	0.029	U	0.075	0.029	mg/L		04/17/12 15:04	04/24/12 19:10	1
Benzo[a]anthracene	0.00094	U	0.0094	0.00052	mg/L		04/17/12 15:04	04/24/12 19:10	1
Benzo[a]pyrene	0.00094	U	0.0094	0.00067	mg/L		04/17/12 15:04	04/24/12 19:10	1
Benzo[b]fluoranthene	0.0024	U	0.0094	0.0024	mg/L		04/17/12 15:04	04/24/12 19:10	1
Benzo[g,h,i]perylene	0.00094	U	0.0094	0.00082	mg/L		04/17/12 15:04	04/24/12 19:10	1
Benzo[k]fluoranthene	0.0011	U	0.0094	0.0011	mg/L		04/17/12 15:04	04/24/12 19:10	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: MW-1

Date Collected: 04/11/12 09:30
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-1

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.00094	U	0.0094	0.00088	mg/L		04/17/12 15:04	04/24/12 19:10	1
Bis(2-chloroethyl)ether	0.0010	U	0.0094	0.0010	mg/L		04/17/12 15:04	04/24/12 19:10	1
bis (2-chloroisopropyl) ether	0.00094	U	0.0094	0.00073	mg/L		04/17/12 15:04	04/24/12 19:10	1
Bis(2-ethylhexyl) phthalate	0.0015	U	0.0094	0.0015	mg/L		04/17/12 15:04	04/24/12 19:10	1
4-Bromophenyl phenyl ether	0.00094	U	0.0094	0.00072	mg/L		04/17/12 15:04	04/24/12 19:10	1
Butyl benzyl phthalate	0.0011	U	0.0094	0.0011	mg/L		04/17/12 15:04	04/24/12 19:10	1
4-Chloro-3-methylphenol	0.00094	U	0.0094	0.00094	mg/L		04/17/12 15:04	04/24/12 19:10	1
2-Chloronaphthalene	0.00094	U	0.0094	0.00075	mg/L		04/17/12 15:04	04/24/12 19:10	1
2-Chlorophenol	0.00094	U	0.0094	0.00082	mg/L		04/17/12 15:04	04/24/12 19:10	1
4-Chlorophenyl phenyl ether	0.00094	U	0.0094	0.00079	mg/L		04/17/12 15:04	04/24/12 19:10	1
Chrysene	0.00094	U	0.0094	0.00048	mg/L		04/17/12 15:04	04/24/12 19:10	1
Dibenz(a,h)anthracene	0.00094	U	0.0094	0.00094	mg/L		04/17/12 15:04	04/24/12 19:10	1
1,2-Dichlorobenzene	0.00094	U	0.0094	0.00050	mg/L		04/17/12 15:04	04/24/12 19:10	1
1,3-Dichlorobenzene	0.00094	U	0.0094	0.00056	mg/L		04/17/12 15:04	04/24/12 19:10	1
1,4-Dichlorobenzene	0.00094	U	0.0094	0.00051	mg/L		04/17/12 15:04	04/24/12 19:10	1
3,3'-Dichlorobenzidine	0.028	U	0.056	0.028	mg/L		04/17/12 15:04	04/24/12 19:10	1
2,4-Dichlorophenol	0.0010	U	0.0094	0.0010	mg/L		04/17/12 15:04	04/24/12 19:10	1
Diethyl phthalate	0.00094	U	0.0094	0.00083	mg/L		04/17/12 15:04	04/24/12 19:10	1
2,4-Dimethylphenol	0.0038	U	0.0094	0.0038	mg/L		04/17/12 15:04	04/24/12 19:10	1
Dimethyl phthalate	0.00094	U	0.0094	0.00093	mg/L		04/17/12 15:04	04/24/12 19:10	1
Di-n-butyl phthalate	0.00094	U	0.0094	0.00078	mg/L		04/17/12 15:04	04/24/12 19:10	1
4,6-Dinitro-2-methylphenol	0.0094	U	0.047	0.0094	mg/L		04/17/12 15:04	04/24/12 19:10	1
2,4-Dinitrophenol	0.0094	U	0.047	0.0094	mg/L		04/17/12 15:04	04/24/12 19:10	1
2,4-Dinitrotoluene	0.0011	U	0.0094	0.0011	mg/L		04/17/12 15:04	04/24/12 19:10	1
2,6-Dinitrotoluene	0.0010	U	0.0094	0.0010	mg/L		04/17/12 15:04	04/24/12 19:10	1
Di-n-octyl phthalate	0.0013	U	0.0094	0.0013	mg/L		04/17/12 15:04	04/24/12 19:10	1
1,2-Diphenylhydrazine	0.00094	U	0.0094	0.00079	mg/L		04/17/12 15:04	04/24/12 19:10	1
Fluoranthene	**0.0016**	**J**	0.0094	0.00070	mg/L		04/17/12 15:04	04/24/12 19:10	1
Fluorene	0.00094	U	0.0094	0.00090	mg/L		04/17/12 15:04	04/24/12 19:10	1
Hexachlorobenzene	0.00094	U	0.0094	0.00074	mg/L		04/17/12 15:04	04/24/12 19:10	1
Hexachlorobutadiene	0.00094	U	0.0094	0.00058	mg/L		04/17/12 15:04	04/24/12 19:10	1
Hexachlorocyclopentadiene	0.0024	U	0.0094	0.0024	mg/L		04/17/12 15:04	04/24/12 19:10	1
Hexachloroethane	0.00094	U	0.0094	0.00072	mg/L		04/17/12 15:04	04/24/12 19:10	1
Indeno[1,2,3-cd]pyrene	0.00094	U	0.0094	0.00094	mg/L		04/17/12 15:04	04/24/12 19:10	1
Isophorone	0.00094	U	0.0094	0.00085	mg/L		04/17/12 15:04	04/24/12 19:10	1
1-Methylnaphthalene	0.00094	U	0.0094	0.00063	mg/L		04/17/12 15:04	04/24/12 19:10	1
2-Methylnaphthalene	0.00094	U	0.0094	0.00073	mg/L		04/17/12 15:04	04/24/12 19:10	1
Naphthalene	0.00094	U	0.0094	0.00066	mg/L		04/17/12 15:04	04/24/12 19:10	1
Nitrobenzene	0.00094	U	0.0094	0.00069	mg/L		04/17/12 15:04	04/24/12 19:10	1
2-Nitrophenol	0.00094	U	0.0094	0.00072	mg/L		04/17/12 15:04	04/24/12 19:10	1
4-Nitrophenol	0.0047	U	0.047	0.0018	mg/L		04/17/12 15:04	04/24/12 19:10	1
N-Nitrosodimethylamine	0.0047	U	0.0094	0.0026	mg/L		04/17/12 15:04	04/24/12 19:10	1
N-Nitrosodi-n-propylamine	0.00094	U	0.0094	0.00068	mg/L		04/17/12 15:04	04/24/12 19:10	1
N-Nitrosodiphenylamine	0.00094	U	0.0094	0.00087	mg/L		04/17/12 15:04	04/24/12 19:10	1
Pentachlorophenol	0.0019	U	0.047	0.0019	mg/L		04/17/12 15:04	04/24/12 19:10	1
Phenanthrene	0.00094	U	0.0094	0.00072	mg/L		04/17/12 15:04	04/24/12 19:10	1
Phenol	0.00094	U	0.0094	0.00078	mg/L		04/17/12 15:04	04/24/12 19:10	1
Pyrene	0.00094	U	0.0094	0.00059	mg/L		04/17/12 15:04	04/24/12 19:10	1
1,2,4-Trichlorobenzene	0.00094	U	0.0094	0.00053	mg/L		04/17/12 15:04	04/24/12 19:10	1
2,4,6-Trichlorophenol	0.00094	U	0.0094	0.00080	mg/L		04/17/12 15:04	04/24/12 19:10	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: MW-1

Date Collected: 04/11/12 09:30
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-1

Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown Aldol Condensate	0.014	N	mg/L		4.30		04/17/12 15:04	04/24/12 19:10	1
Phosphine oxide, triphenyl-	0.030	N	mg/L		13.80	791-28-6	04/17/12 15:04	04/24/12 19:10	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	67		38 - 130	04/17/12 15:04	04/24/12 19:10	1
2-Fluorophenol	49		25 - 130	04/17/12 15:04	04/24/12 19:10	1
Nitrobenzene-d5	61		39 - 130	04/17/12 15:04	04/24/12 19:10	1
Phenol-d5	52		25 - 130	04/17/12 15:04	04/24/12 19:10	1
Terphenyl-d14	38		10 - 143	04/17/12 15:04	04/24/12 19:10	1
2,4,6-Tribromophenol	88		31 - 141	04/17/12 15:04	04/24/12 19:10	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0000048	U	0.000019	0.0000021	mg/L		04/23/12 14:00	04/24/12 12:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	101	M	60 - 144	04/23/12 14:00	04/24/12 12:19	1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.00020	U	0.00098	0.000070	mg/L		04/13/12 15:37	04/16/12 20:00	1
PCB-1221	0.00028	U	0.0020	0.00028	mg/L		04/13/12 15:37	04/16/12 20:00	1
PCB-1232	0.00020	U	0.00098	0.00011	mg/L		04/13/12 15:37	04/16/12 20:00	1
PCB-1242	0.00020	U	0.00098	0.00018	mg/L		04/13/12 15:37	04/16/12 20:00	1
PCB-1248	0.00035	U	0.00098	0.00035	mg/L		04/13/12 15:37	04/16/12 20:00	1
PCB-1254	0.00026	U	0.00098	0.00026	mg/L		04/13/12 15:37	04/16/12 20:00	1
PCB-1260	0.00020	U	0.00098	0.00020	mg/L		04/13/12 15:37	04/16/12 20:00	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	40	M	40 - 130	04/13/12 15:37	04/16/12 20:00	1
DCB Decachlorobiphenyl	33	Q	40 - 130	04/13/12 15:37	04/16/12 20:00	1
Tetrachloro-m-xylene	71		36 - 130	04/13/12 15:37	04/16/12 20:00	1
Tetrachloro-m-xylene	54		36 - 130	04/13/12 15:37	04/16/12 20:00	1

Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	0.038	U	0.29	0.038	mg/L		04/16/12 14:45	04/20/12 15:03	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-C39	78		42 - 193	04/16/12 14:45	04/20/12 15:03	1
o-Terphenyl (Surr)	99		82 - 142	04/16/12 14:45	04/20/12 15:03	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.0096**	**J**	0.020	0.0046	mg/L		04/17/12 09:39	04/18/12 18:35	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		04/17/12 09:39	04/18/12 18:35	1
Chromium	0.0020	U	0.010	0.0012	mg/L		04/17/12 09:39	04/18/12 18:35	1
Lead	0.0040	U	0.010	0.0040	mg/L		04/17/12 09:39	04/18/12 18:35	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: MW-2

Date Collected: 04/11/12 10:48
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-2

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.0074	U	0.020	0.0074	mg/L			04/18/12 17:28	1
Acrylonitrile	0.0072	U	0.020	0.0072	mg/L			04/18/12 17:28	1
Benzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:28	1
Bromodichloromethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:28	1
Bromoform	0.00050	U	0.0010	0.00050	mg/L			04/18/12 17:28	1
Bromomethane	0.00080	U	0.0010	0.00080	mg/L			04/18/12 17:28	1
Carbon tetrachloride	0.00050	U	0.0010	0.00050	mg/L			04/18/12 17:28	1
Chlorobenzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:28	1
Chloroethane	0.0010	U Q	0.0010	0.0010	mg/L			04/18/12 17:28	1
2-Chloroethyl vinyl ether	0.00050	U	0.010	0.00026	mg/L			04/18/12 17:28	1
Chloroform	0.00025	U	0.0010	0.00014	mg/L			04/18/12 17:28	1
Chloromethane	0.00033	U	0.0010	0.00033	mg/L			04/18/12 17:28	1
Dibromochloromethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 17:28	1
1,2-Dibromoethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:28	1
1,1-Dichloroethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:28	1
1,2-Dichloroethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 17:28	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00020	mg/L			04/18/12 17:28	1
1,1-Dichloroethene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 17:28	1
1,2-Dichloropropane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 17:28	1
Ethylbenzene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 17:28	1
Methylene Chloride	0.0010	U	0.0050	0.0010	mg/L			04/18/12 17:28	1
Methyl tert-butyl ether	0.00050	U	0.010	0.00020	mg/L			04/18/12 17:28	1
1,1,2,2-Tetrachloroethane	0.00025	U	0.0010	0.00018	mg/L			04/18/12 17:28	1
Tetrachloroethene	0.00025	U	0.0010	0.00015	mg/L			04/18/12 17:28	1
Toluene	0.00033	U	0.0010	0.00033	mg/L			04/18/12 17:28	1
1,1,1-Trichloroethane	0.00050	U	0.0010	0.00050	mg/L			04/18/12 17:28	1
1,1,2-Trichloroethane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 17:28	1
Trichloroethene	0.00025	U	0.0010	0.00013	mg/L			04/18/12 17:28	1
Vinyl chloride	0.00050	U	0.0010	0.00018	mg/L			04/18/12 17:28	1
Xylenes, Total	0.00075	U	0.0020	0.00020	mg/L			04/18/12 17:28	1
1,3-Dichloropropene, Total	0.00050	U	0.0020	0.00011	mg/L			04/18/12 17:28	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*1.9*	*N*	*mg/L*		*1.00*	*124-38-9*		*04/18/12 17:28*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*101*		*70 - 130*		*04/18/12 17:28*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*04/18/12 17:28*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*04/18/12 17:28*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0010	U	0.010	0.00076	mg/L		04/17/12 15:04	04/24/12 20:38	1
Acenaphthylene	0.0010	U	0.010	0.00085	mg/L		04/17/12 15:04	04/24/12 20:38	1
Anthracene	0.0010	U	0.010	0.00069	mg/L		04/17/12 15:04	04/24/12 20:38	1
Benzidine	0.031	U J	0.080	0.031	mg/L		04/17/12 15:04	04/24/12 20:38	1
Benzo[a]anthracene	0.0010	U	0.010	0.00055	mg/L		04/17/12 15:04	04/24/12 20:38	1
Benzo[a]pyrene	0.0010	U	0.010	0.00071	mg/L		04/17/12 15:04	04/24/12 20:38	1
Benzo[b]fluoranthene	0.0026	U	0.010	0.0026	mg/L		04/17/12 15:04	04/24/12 20:38	1
Benzo[g,h,i]perylene	0.0010	U	0.010	0.00087	mg/L		04/17/12 15:04	04/24/12 20:38	1
Benzo[k]fluoranthene	0.0012	U	0.010	0.0012	mg/L		04/17/12 15:04	04/24/12 20:38	1

Client Sample ID: MW-2
Date Collected: 04/11/12 10:48
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-2
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.0010	U	0.010	0.00094	mg/L		04/17/12 15:04	04/24/12 20:38	1
Bis(2-chloroethyl)ether	0.0011	U J	0.010	0.0011	mg/L		04/17/12 15:04	04/24/12 20:38	1
bis (2-chloroisopropyl) ether	0.0010	U J	0.010	0.00078	mg/L		04/17/12 15:04	04/24/12 20:38	1
Bis(2-ethylhexyl) phthalate	0.0016	U	0.010	0.0016	mg/L		04/17/12 15:04	04/24/12 20:38	1
4-Bromophenyl phenyl ether	0.0010	U	0.010	0.00077	mg/L		04/17/12 15:04	04/24/12 20:38	1
Butyl benzyl phthalate	0.0012	U	0.010	0.0012	mg/L		04/17/12 15:04	04/24/12 20:38	1
4-Chloro-3-methylphenol	0.0010	U	0.010	0.0010	mg/L		04/17/12 15:04	04/24/12 20:38	1
2-Chloronaphthalene	0.0010	U	0.010	0.00080	mg/L		04/17/12 15:04	04/24/12 20:38	1
2-Chlorophenol	0.0010	U	0.010	0.00087	mg/L		04/17/12 15:04	04/24/12 20:38	1
4-Chlorophenyl phenyl ether	0.0010	U	0.010	0.00084	mg/L		04/17/12 15:04	04/24/12 20:38	1
Chrysene	0.0010	U	0.010	0.00051	mg/L		04/17/12 15:04	04/24/12 20:38	1
Dibenz(a,h)anthracene	0.0010	U	0.010	0.0010	mg/L		04/17/12 15:04	04/24/12 20:38	1
1,2-Dichlorobenzene	0.0010	U	0.010	0.00053	mg/L		04/17/12 15:04	04/24/12 20:38	1
1,3-Dichlorobenzene	0.0010	U	0.010	0.00059	mg/L		04/17/12 15:04	04/24/12 20:38	1
1,4-Dichlorobenzene	0.0010	U	0.010	0.00054	mg/L		04/17/12 15:04	04/24/12 20:38	1
3,3'-Dichlorobenzidine	0.030	U	0.060	0.030	mg/L		04/17/12 15:04	04/24/12 20:38	1
2,4-Dichlorophenol	0.0011	U	0.010	0.0011	mg/L		04/17/12 15:04	04/24/12 20:38	1
Diethyl phthalate	0.0010	U J	0.010	0.00088	mg/L		04/17/12 15:04	04/24/12 20:38	1
2,4-Dimethylphenol	0.0040	U	0.010	0.0040	mg/L		04/17/12 15:04	04/24/12 20:38	1
Dimethyl phthalate	0.0010	U	0.010	0.00099	mg/L		04/17/12 15:04	04/24/12 20:38	1
Di-n-butyl phthalate	0.0010	U	0.010	0.00083	mg/L		04/17/12 15:04	04/24/12 20:38	1
4,6-Dinitro-2-methylphenol	0.010	U	0.050	0.010	mg/L		04/17/12 15:04	04/24/12 20:38	1
2,4-Dinitrophenol	0.010	U	0.050	0.010	mg/L		04/17/12 15:04	04/24/12 20:38	1
2,4-Dinitrotoluene	0.0012	U	0.010	0.0012	mg/L		04/17/12 15:04	04/24/12 20:38	1
2,6-Dinitrotoluene	0.0011	U	0.010	0.0011	mg/L		04/17/12 15:04	04/24/12 20:38	1
Di-n-octyl phthalate	0.0014	U	0.010	0.0014	mg/L		04/17/12 15:04	04/24/12 20:38	1
1,2-Diphenylhydrazine	0.0010	U J	0.010	0.00084	mg/L		04/17/12 15:04	04/24/12 20:38	1
Fluoranthene	0.0010	U	0.010	0.00074	mg/L		04/17/12 15:04	04/24/12 20:38	1
Fluorene	0.0010	U	0.010	0.00096	mg/L		04/17/12 15:04	04/24/12 20:38	1
Hexachlorobenzene	0.0010	U	0.010	0.00079	mg/L		04/17/12 15:04	04/24/12 20:38	1
Hexachlorobutadiene	0.0010	U	0.010	0.00062	mg/L		04/17/12 15:04	04/24/12 20:38	1
Hexachlorocyclopentadiene	0.0025	U	0.010	0.0025	mg/L		04/17/12 15:04	04/24/12 20:38	1
Hexachloroethane	0.0010	U	0.010	0.00076	mg/L		04/17/12 15:04	04/24/12 20:38	1
Indeno[1,2,3-cd]pyrene	0.0010	U	0.010	0.0010	mg/L		04/17/12 15:04	04/24/12 20:38	1
Isophorone	0.0010	U J	0.010	0.00090	mg/L		04/17/12 15:04	04/24/12 20:38	1
1-Methylnaphthalene	0.0010	U	0.010	0.00067	mg/L		04/17/12 15:04	04/24/12 20:38	1
2-Methylnaphthalene	0.0010	U	0.010	0.00078	mg/L		04/17/12 15:04	04/24/12 20:38	1
Naphthalene	0.0010	U	0.010	0.00070	mg/L		04/17/12 15:04	04/24/12 20:38	1
Nitrobenzene	0.0010	U	0.010	0.00073	mg/L		04/17/12 15:04	04/24/12 20:38	1
2-Nitrophenol	0.0010	U	0.010	0.00076	mg/L		04/17/12 15:04	04/24/12 20:38	1
4-Nitrophenol	0.0050	U	0.050	0.0019	mg/L		04/17/12 15:04	04/24/12 20:38	1
N-Nitrosodimethylamine	0.0050	U J	0.010	0.0028	mg/L		04/17/12 15:04	04/24/12 20:38	1
N-Nitrosodi-n-propylamine	0.0010	U J	0.010	0.00072	mg/L		04/17/12 15:04	04/24/12 20:38	1
N-Nitrosodiphenylamine	0.0010	U	0.010	0.00092	mg/L		04/17/12 15:04	04/24/12 20:38	1
Pentachlorophenol	0.0020	U	0.050	0.0020	mg/L		04/17/12 15:04	04/24/12 20:38	1
Phenanthrene	0.0010	U	0.010	0.00077	mg/L		04/17/12 15:04	04/24/12 20:38	1
Phenol	0.0010	U	0.010	0.00083	mg/L		04/17/12 15:04	04/24/12 20:38	1
Pyrene	0.0010	U	0.010	0.00063	mg/L		04/17/12 15:04	04/24/12 20:38	1
1,2,4-Trichlorobenzene	0.0010	U	0.010	0.00056	mg/L		04/17/12 15:04	04/24/12 20:38	1
2,4,6-Trichlorophenol	0.0010	U	0.010	0.00085	mg/L		04/17/12 15:04	04/24/12 20:38	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: MW-2

Date Collected: 04/11/12 10:48
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-2

Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown Aldol Condensate	0.0083	N M	mg/L		4.30		04/17/12 15:04	04/24/12 20:38	1
Unknown	0.0059	N	mg/L		9.31		04/17/12 15:04	04/24/12 20:38	1
Unknown	0.0044	N	mg/L		10.55		04/17/12 15:04	04/24/12 20:38	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	56		38 - 130	04/17/12 15:04	04/24/12 20:38	1
2-Fluorophenol	43		25 - 130	04/17/12 15:04	04/24/12 20:38	1
Nitrobenzene-d5	53		39 - 130	04/17/12 15:04	04/24/12 20:38	1
Phenol-d5	44		25 - 130	04/17/12 15:04	04/24/12 20:38	1
Terphenyl-d14	32		10 - 143	04/17/12 15:04	04/24/12 20:38	1
2,4,6-Tribromophenol	75		31 - 141	04/17/12 15:04	04/24/12 20:38	1

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0000051	U	0.000020	0.0000022	mg/L		04/23/12 14:00	04/24/12 12:27	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
Pentachloroethane	103		60 - 144	04/23/12 14:00	04/24/12 12:27	1

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.00019	U	0.00093	0.000066	mg/L		04/13/12 15:37	04/16/12 20:19	1
PCB-1221	0.00026	U	0.0019	0.00026	mg/L		04/13/12 15:37	04/16/12 20:19	1
PCB-1232	0.00019	U	0.00093	0.00010	mg/L		04/13/12 15:37	04/16/12 20:19	1
PCB-1242	0.00019	U	0.00093	0.00017	mg/L		04/13/12 15:37	04/16/12 20:19	1
PCB-1248	0.00034	U	0.00093	0.00034	mg/L		04/13/12 15:37	04/16/12 20:19	1
PCB-1254	0.00024	U	0.00093	0.00024	mg/L		04/13/12 15:37	04/16/12 20:19	1
PCB-1260	0.00019	U	0.00093	0.00019	mg/L		04/13/12 15:37	04/16/12 20:19	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	12	M J Q	40 - 130	04/13/12 15:37	04/16/12 20:19	1
DCB Decachlorobiphenyl	31	J Q	40 - 130	04/13/12 15:37	04/16/12 20:19	1
Tetrachloro-m-xylene	5077	M J Q	36 - 130	04/13/12 15:37	04/16/12 20:19	1
Tetrachloro-m-xylene	102	J	36 - 130	04/13/12 15:37	04/16/12 20:19	1

Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	0.039	U	0.29	0.039	mg/L		04/16/12 14:45	04/20/12 15:17	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-C39	53		42 - 193	04/16/12 14:45	04/20/12 15:17	1
o-Terphenyl (Surr)	102	J	82 - 142	04/16/12 14:45	04/20/12 15:17	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**0.013**	**J**	0.020	0.0046	mg/L		04/17/12 09:39	04/18/12 18:40	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		04/17/12 09:39	04/18/12 18:40	1
Chromium	0.0020	U	0.010	0.0012	mg/L		04/17/12 09:39	04/18/12 18:40	1
Lead	0.0040	U	0.010	0.0040	mg/L		04/17/12 09:39	04/18/12 18:40	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: EQB-1

Date Collected: 04/10/12 00:00
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-3

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.0074	U	0.020	0.0074	mg/L			04/16/12 12:43	1
Acrylonitrile	0.0072	U	0.020	0.0072	mg/L			04/16/12 12:43	1
Benzene	0.00025	U	0.0010	0.00025	mg/L			04/16/12 12:43	1
Bromodichloromethane	0.00025	U	0.0010	0.00025	mg/L			04/16/12 12:43	1
Bromoform	0.00050	U	0.0010	0.00050	mg/L			04/16/12 12:43	1
Bromomethane	0.00080	U	0.0010	0.00080	mg/L			04/16/12 12:43	1
Carbon tetrachloride	0.00050	U Q	0.0010	0.00050	mg/L			04/16/12 12:43	1
Chlorobenzene	0.00025	U	0.0010	0.00025	mg/L			04/16/12 12:43	1
Chloroethane	0.0010	U	0.0010	0.0010	mg/L			04/16/12 12:43	1
2-Chloroethyl vinyl ether	0.00050	U	0.010	0.00026	mg/L			04/16/12 12:43	1
Chloroform	0.00025	U	0.0010	0.00014	mg/L			04/16/12 12:43	1
Chloromethane	0.00033	U	0.0010	0.00033	mg/L			04/16/12 12:43	1
Dibromochloromethane	0.00025	U	0.0010	0.00010	mg/L			04/16/12 12:43	1
1,2-Dibromoethane	0.00025	U	0.0010	0.00025	mg/L			04/16/12 12:43	1
1,1-Dichloroethane	0.00025	U	0.0010	0.00025	mg/L			04/16/12 12:43	1
1,2-Dichloroethane	0.00025	U	0.0010	0.00010	mg/L			04/16/12 12:43	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00020	mg/L			04/16/12 12:43	1
1,1-Dichloroethene	0.00025	U	0.0010	0.00011	mg/L			04/16/12 12:43	1
1,2-Dichloropropane	0.00025	U	0.0010	0.00013	mg/L			04/16/12 12:43	1
Ethylbenzene	0.00025	U	0.0010	0.00011	mg/L			04/16/12 12:43	1
Methylene Chloride	0.0010	U	0.0050	0.0010	mg/L			04/16/12 12:43	1
Methyl tert-butyl ether	0.00050	U	0.010	0.00020	mg/L			04/16/12 12:43	1
1,1,2,2-Tetrachloroethane	0.00025	U	0.0010	0.00018	mg/L			04/16/12 12:43	1
Tetrachloroethene	0.00025	U	0.0010	0.00015	mg/L			04/16/12 12:43	1
Toluene	0.00033	U	0.0010	0.00033	mg/L			04/16/12 12:43	1
1,1,1-Trichloroethane	0.00050	U	0.0010	0.00050	mg/L			04/16/12 12:43	1
1,1,2-Trichloroethane	0.00025	U	0.0010	0.00013	mg/L			04/16/12 12:43	1
Trichloroethene	0.00025	U	0.0010	0.00013	mg/L			04/16/12 12:43	1
Vinyl chloride	0.00050	U	0.0010	0.00018	mg/L			04/16/12 12:43	1
Xylenes, Total	0.00075	U	0.0020	0.00020	mg/L			04/16/12 12:43	1
1,3-Dichloropropene, Total	0.00050	U	0.0020	0.00011	mg/L			04/16/12 12:43	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*0.038*	*N*	*mg/L*		*1.13*	*124-38-9*		*04/16/12 12:43*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*95*		*70 - 130*		*04/16/12 12:43*	*1*
Dibromofluoromethane	*97*		*70 - 130*		*04/16/12 12:43*	*1*
Toluene-d8 (Surr)	*109*		*70 - 130*		*04/16/12 12:43*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.00096	U	0.0096	0.00073	mg/L		04/17/12 15:04	04/24/12 20:09	1
Acenaphthylene	0.00096	U	0.0096	0.00081	mg/L		04/17/12 15:04	04/24/12 20:09	1
Anthracene	0.00096	U	0.0096	0.00066	mg/L		04/17/12 15:04	04/24/12 20:09	1
Benzidine	0.030	U	0.077	0.030	mg/L		04/17/12 15:04	04/24/12 20:09	1
Benzo[a]anthracene	0.00096	U	0.0096	0.00053	mg/L		04/17/12 15:04	04/24/12 20:09	1
Benzo[a]pyrene	0.00096	U	0.0096	0.00068	mg/L		04/17/12 15:04	04/24/12 20:09	1
Benzo[b]fluoranthene	0.0025	U	0.0096	0.0025	mg/L		04/17/12 15:04	04/24/12 20:09	1
Benzo[g,h,i]perylene	0.00096	U	0.0096	0.00083	mg/L		04/17/12 15:04	04/24/12 20:09	1
Benzo[k]fluoranthene	0.0011	U	0.0096	0.0011	mg/L		04/17/12 15:04	04/24/12 20:09	1

Client Sample ID: EQB-1
Date Collected: 04/10/12 00:00
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-3
Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.00096	U	0.0096	0.00090	mg/L		04/17/12 15:04	04/24/12 20:09	1
Bis(2-chloroethyl)ether	0.0011	U	0.0096	0.0011	mg/L		04/17/12 15:04	04/24/12 20:09	1
bis (2-chloroisopropyl) ether	0.00096	U	0.0096	0.00075	mg/L		04/17/12 15:04	04/24/12 20:09	1
Bis(2-ethylhexyl) phthalate	**0.21**	**J**	0.0096	0.0015	mg/L		04/17/12 15:04	04/24/12 20:09	1
4-Bromophenyl phenyl ether	0.00096	U	0.0096	0.00074	mg/L		04/17/12 15:04	04/24/12 20:09	1
Butyl benzyl phthalate	0.0011	U	0.0096	0.0011	mg/L		04/17/12 15:04	04/24/12 20:09	1
4-Chloro-3-methylphenol	0.00096	U	0.0096	0.00096	mg/L		04/17/12 15:04	04/24/12 20:09	1
2-Chloronaphthalene	0.00096	U	0.0096	0.00077	mg/L		04/17/12 15:04	04/24/12 20:09	1
2-Chlorophenol	0.00096	U	0.0096	0.00083	mg/L		04/17/12 15:04	04/24/12 20:09	1
4-Chlorophenyl phenyl ether	0.00096	U	0.0096	0.00080	mg/L		04/17/12 15:04	04/24/12 20:09	1
Chrysene	0.00096	U	0.0096	0.00049	mg/L		04/17/12 15:04	04/24/12 20:09	1
Dibenz(a,h)anthracene	0.00096	U	0.0096	0.00096	mg/L		04/17/12 15:04	04/24/12 20:09	1
1,2-Dichlorobenzene	0.00096	U	0.0096	0.00051	mg/L		04/17/12 15:04	04/24/12 20:09	1
1,3-Dichlorobenzene	0.00096	U	0.0096	0.00056	mg/L		04/17/12 15:04	04/24/12 20:09	1
1,4-Dichlorobenzene	0.00096	U	0.0096	0.00052	mg/L		04/17/12 15:04	04/24/12 20:09	1
3,3'-Dichlorobenzidine	0.029	U	0.057	0.029	mg/L		04/17/12 15:04	04/24/12 20:09	1
2,4-Dichlorophenol	0.0011	U	0.0096	0.0011	mg/L		04/17/12 15:04	04/24/12 20:09	1
Diethyl phthalate	0.00096	U	0.0096	0.00084	mg/L		04/17/12 15:04	04/24/12 20:09	1
2,4-Dimethylphenol	0.0038	U	0.0096	0.0038	mg/L		04/17/12 15:04	04/24/12 20:09	1
Dimethyl phthalate	0.00096	U	0.0096	0.00095	mg/L		04/17/12 15:04	04/24/12 20:09	1
Di-n-butyl phthalate	0.00096	U	0.0096	0.00079	mg/L		04/17/12 15:04	04/24/12 20:09	1
4,6-Dinitro-2-methylphenol	0.0096	U	0.048	0.0096	mg/L		04/17/12 15:04	04/24/12 20:09	1
2,4-Dinitrophenol	0.0096	U	0.048	0.0096	mg/L		04/17/12 15:04	04/24/12 20:09	1
2,4-Dinitrotoluene	0.0011	U	0.0096	0.0011	mg/L		04/17/12 15:04	04/24/12 20:09	1
2,6-Dinitrotoluene	0.0011	U	0.0096	0.0011	mg/L		04/17/12 15:04	04/24/12 20:09	1
Di-n-octyl phthalate	0.0013	U	0.0096	0.0013	mg/L		04/17/12 15:04	04/24/12 20:09	1
1,2-Diphenylhydrazine	0.00096	U	0.0096	0.00080	mg/L		04/17/12 15:04	04/24/12 20:09	1
Fluoranthene	0.00096	U	0.0096	0.00071	mg/L		04/17/12 15:04	04/24/12 20:09	1
Fluorene	0.00096	U	0.0096	0.00092	mg/L		04/17/12 15:04	04/24/12 20:09	1
Hexachlorobenzene	0.00096	U	0.0096	0.00076	mg/L		04/17/12 15:04	04/24/12 20:09	1
Hexachlorobutadiene	0.00096	U	0.0096	0.00059	mg/L		04/17/12 15:04	04/24/12 20:09	1
Hexachlorocyclopentadiene	0.0024	U	0.0096	0.0024	mg/L		04/17/12 15:04	04/24/12 20:09	1
Hexachloroethane	0.00096	U	0.0096	0.00073	mg/L		04/17/12 15:04	04/24/12 20:09	1
Indeno[1,2,3-cd]pyrene	0.00096	U	0.0096	0.00096	mg/L		04/17/12 15:04	04/24/12 20:09	1
Isophorone	0.00096	U	0.0096	0.00086	mg/L		04/17/12 15:04	04/24/12 20:09	1
1-Methylnaphthalene	0.00096	U	0.0096	0.00064	mg/L		04/17/12 15:04	04/24/12 20:09	1
2-Methylnaphthalene	0.00096	U	0.0096	0.00075	mg/L		04/17/12 15:04	04/24/12 20:09	1
Naphthalene	0.00096	U	0.0096	0.00067	mg/L		04/17/12 15:04	04/24/12 20:09	1
Nitrobenzene	0.00096	U	0.0096	0.00070	mg/L		04/17/12 15:04	04/24/12 20:09	1
2-Nitrophenol	0.00096	U	0.0096	0.00073	mg/L		04/17/12 15:04	04/24/12 20:09	1
4-Nitrophenol	0.0048	U	0.048	0.0018	mg/L		04/17/12 15:04	04/24/12 20:09	1
N-Nitrosodimethylamine	0.0048	U	0.0096	0.0027	mg/L		04/17/12 15:04	04/24/12 20:09	1
N-Nitrosodi-n-propylamine	0.00096	U	0.0096	0.00069	mg/L		04/17/12 15:04	04/24/12 20:09	1
N-Nitrosodiphenylamine	0.00096	U	0.0096	0.00088	mg/L		04/17/12 15:04	04/24/12 20:09	1
Pentachlorophenol	0.0019	U	0.048	0.0019	mg/L		04/17/12 15:04	04/24/12 20:09	1
Phenanthrene	0.00096	U	0.0096	0.00074	mg/L		04/17/12 15:04	04/24/12 20:09	1
Phenol	0.00096	U	0.0096	0.00079	mg/L		04/17/12 15:04	04/24/12 20:09	1
Pyrene	0.00096	U	0.0096	0.00060	mg/L		04/17/12 15:04	04/24/12 20:09	1
1,2,4-Trichlorobenzene	0.00096	U	0.0096	0.00054	mg/L		04/17/12 15:04	04/24/12 20:09	1
2,4,6-Trichlorophenol	0.00096	U	0.0096	0.00081	mg/L		04/17/12 15:04	04/24/12 20:09	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: EQB-1

Date Collected: 04/10/12 00:00
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-3

Matrix: Water

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown	0.0083	N	mg/L		3.79		04/17/12 15:04	04/24/12 20:09	1
1-Hexanol, 2-ethyl-	0.0063	N	mg/L		6.09	104-76-7	04/17/12 15:04	04/24/12 20:09	1
Benzyl alcohol	0.0028	J	mg/L		6.16	100-51-6	04/17/12 15:04	04/24/12 20:09	1
Benzoic acid	0.0069	J	mg/L		6.95	65-85-0	04/17/12 15:04	04/24/12 20:09	1
Unknown	0.0057	N	mg/L		11.19		04/17/12 15:04	04/24/12 20:09	1
Phosphine oxide, triphenyl-	0.0054	N	mg/L		13.80	791-28-6	04/17/12 15:04	04/24/12 20:09	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	62		38 - 130	04/17/12 15:04	04/24/12 20:09	1
2-Fluorophenol	51		25 - 130	04/17/12 15:04	04/24/12 20:09	1
Nitrobenzene-d5	57		39 - 130	04/17/12 15:04	04/24/12 20:09	1
Phenol-d5	50		25 - 130	04/17/12 15:04	04/24/12 20:09	1
Terphenyl-d14	69		10 - 143	04/17/12 15:04	04/24/12 20:09	1
2,4,6-Tribromophenol	86		31 - 141	04/17/12 15:04	04/24/12 20:09	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0019	U	0.019	0.0015	mg/L		04/17/12 15:04	04/25/12 14:12	2
Acenaphthylene	0.0019	U	0.019	0.0016	mg/L		04/17/12 15:04	04/25/12 14:12	2
Anthracene	0.0019	U	0.019	0.0013	mg/L		04/17/12 15:04	04/25/12 14:12	2
Benzidine	0.059	U	0.15	0.059	mg/L		04/17/12 15:04	04/25/12 14:12	2
Benzo[a]anthracene	0.0019	U	0.019	0.0011	mg/L		04/17/12 15:04	04/25/12 14:12	2
Benzo[a]pyrene	0.0019	U	0.019	0.0014	mg/L		04/17/12 15:04	04/25/12 14:12	2
Benzo[b]fluoranthene	0.0050	U	0.019	0.0050	mg/L		04/17/12 15:04	04/25/12 14:12	2
Benzo[g,h,i]perylene	0.0019	U	0.019	0.0017	mg/L		04/17/12 15:04	04/25/12 14:12	2
Benzo[k]fluoranthene	0.0023	U	0.019	0.0023	mg/L		04/17/12 15:04	04/25/12 14:12	2
Bis(2-chloroethoxy)methane	0.0019	U	0.019	0.0018	mg/L		04/17/12 15:04	04/25/12 14:12	2
Bis(2-chloroethyl)ether	0.0021	U	0.019	0.0021	mg/L		04/17/12 15:04	04/25/12 14:12	2
bis (2-chloroisopropyl) ether	0.0019	U	0.019	0.0015	mg/L		04/17/12 15:04	04/25/12 14:12	2
Bis(2-ethylhexyl) phthalate	**0.29**		0.019	0.0031	mg/L		04/17/12 15:04	04/25/12 14:12	2
4-Bromophenyl phenyl ether	0.0019	U	0.019	0.0015	mg/L		04/17/12 15:04	04/25/12 14:12	2
Butyl benzyl phthalate	0.0023	U	0.019	0.0023	mg/L		04/17/12 15:04	04/25/12 14:12	2
4-Chloro-3-methylphenol	0.0019	U	0.019	0.0019	mg/L		04/17/12 15:04	04/25/12 14:12	2
2-Chloronaphthalene	0.0019	U	0.019	0.0015	mg/L		04/17/12 15:04	04/25/12 14:12	2
2-Chlorophenol	0.0019	U	0.019	0.0017	mg/L		04/17/12 15:04	04/25/12 14:12	2
4-Chlorophenyl phenyl ether	0.0019	U	0.019	0.0016	mg/L		04/17/12 15:04	04/25/12 14:12	2
Chrysene	0.0019	U	0.019	0.00098	mg/L		04/17/12 15:04	04/25/12 14:12	2
Dibenz(a,h)anthracene	0.0019	U	0.019	0.0019	mg/L		04/17/12 15:04	04/25/12 14:12	2
1,2-Dichlorobenzene	0.0019	U	0.019	0.0010	mg/L		04/17/12 15:04	04/25/12 14:12	2
1,3-Dichlorobenzene	0.0019	U	0.019	0.0011	mg/L		04/17/12 15:04	04/25/12 14:12	2
1,4-Dichlorobenzene	0.0019	U	0.019	0.0010	mg/L		04/17/12 15:04	04/25/12 14:12	2
3,3'-Dichlorobenzidine	0.057	U	0.11	0.057	mg/L		04/17/12 15:04	04/25/12 14:12	2
2,4-Dichlorophenol	0.0021	U	0.019	0.0021	mg/L		04/17/12 15:04	04/25/12 14:12	2
Diethyl phthalate	0.0019	U	0.019	0.0017	mg/L		04/17/12 15:04	04/25/12 14:12	2
2,4-Dimethylphenol	0.0077	U	0.019	0.0077	mg/L		04/17/12 15:04	04/25/12 14:12	2
Dimethyl phthalate	0.0019	U	0.019	0.0019	mg/L		04/17/12 15:04	04/25/12 14:12	2
Di-n-butyl phthalate	0.0019	U	0.019	0.0016	mg/L		04/17/12 15:04	04/25/12 14:12	2
4,6-Dinitro-2-methylphenol	0.019	U	0.096	0.019	mg/L		04/17/12 15:04	04/25/12 14:12	2
2,4-Dinitrophenol	0.019	U	0.096	0.019	mg/L		04/17/12 15:04	04/25/12 14:12	2
2,4-Dinitrotoluene	0.0023	U	0.019	0.0023	mg/L		04/17/12 15:04	04/25/12 14:12	2
2,6-Dinitrotoluene	0.0021	U	0.019	0.0021	mg/L		04/17/12 15:04	04/25/12 14:12	2
Di-n-octyl phthalate	0.0027	U	0.019	0.0027	mg/L		04/17/12 15:04	04/25/12 14:12	2

Client Sample ID: EQB-1

Date Collected: 04/10/12 00:00
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-3

Matrix: Water

Method: 8270C - Semivolatile Organic Compounds (GC/MS) - DL (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,2-Diphenylhydrazine	0.0019	U	0.019	0.0016	mg/L		04/17/12 15:04	04/25/12 14:12	2
Fluoranthene	0.0019	U	0.019	0.0014	mg/L		04/17/12 15:04	04/25/12 14:12	2
Fluorene	0.0019	U	0.019	0.0018	mg/L		04/17/12 15:04	04/25/12 14:12	2
Hexachlorobenzene	0.0019	U	0.019	0.0015	mg/L		04/17/12 15:04	04/25/12 14:12	2
Hexachlorobutadiene	0.0019	U	0.019	0.0012	mg/L		04/17/12 15:04	04/25/12 14:12	2
Hexachlorocyclopentadiene	0.0048	U	0.019	0.0048	mg/L		04/17/12 15:04	04/25/12 14:12	2
Hexachloroethane	0.0019	U	0.019	0.0015	mg/L		04/17/12 15:04	04/25/12 14:12	2
Indeno[1,2,3-cd]pyrene	0.0019	U	0.019	0.0019	mg/L		04/17/12 15:04	04/25/12 14:12	2
Isophorone	0.0019	U	0.019	0.0017	mg/L		04/17/12 15:04	04/25/12 14:12	2
1-Methylnaphthalene	0.0019	U	0.019	0.0013	mg/L		04/17/12 15:04	04/25/12 14:12	2
2-Methylnaphthalene	0.0019	U	0.019	0.0015	mg/L		04/17/12 15:04	04/25/12 14:12	2
Naphthalene	0.0019	U	0.019	0.0013	mg/L		04/17/12 15:04	04/25/12 14:12	2
Nitrobenzene	0.0019	U	0.019	0.0014	mg/L		04/17/12 15:04	04/25/12 14:12	2
2-Nitrophenol	0.0019	U	0.019	0.0015	mg/L		04/17/12 15:04	04/25/12 14:12	2
4-Nitrophenol	0.0096	U	0.096	0.0036	mg/L		04/17/12 15:04	04/25/12 14:12	2
N-Nitrosodimethylamine	0.0096	U	0.019	0.0054	mg/L		04/17/12 15:04	04/25/12 14:12	2
N-Nitrosodi-n-propylamine	0.0019	U	0.019	0.0014	mg/L		04/17/12 15:04	04/25/12 14:12	2
N-Nitrosodiphenylamine	0.0019	U	0.019	0.0018	mg/L		04/17/12 15:04	04/25/12 14:12	2
Pentachlorophenol	0.0038	U	0.096	0.0038	mg/L		04/17/12 15:04	04/25/12 14:12	2
Phenanthrene	0.0019	U	0.019	0.0015	mg/L		04/17/12 15:04	04/25/12 14:12	2
Phenol	0.0019	U	0.019	0.0016	mg/L		04/17/12 15:04	04/25/12 14:12	2
Pyrene	0.0019	U	0.019	0.0012	mg/L		04/17/12 15:04	04/25/12 14:12	2
1,2,4-Trichlorobenzene	0.0019	U	0.019	0.0011	mg/L		04/17/12 15:04	04/25/12 14:12	2
2,4,6-Trichlorophenol	0.0019	U	0.019	0.0016	mg/L		04/17/12 15:04	04/25/12 14:12	2

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Benzaldehyde	*0.0022*	*J Q*	*mg/L*		*4.59*	*100-52-7*	*04/17/12 15:04*	*04/25/12 14:12*	*2*
Unknown	*0.0088*	*N*	*mg/L*		*5.17*		*04/17/12 15:04*	*04/25/12 14:12*	*2*
Benzyl alcohol	*0.0031*	*J*	*mg/L*		*5.23*	*100-51-6*	*04/17/12 15:04*	*04/25/12 14:12*	*2*
Phosphine oxide, triphenyl-	*0.072*	*N*	*mg/L*		*12.74*	*791-28-6*	*04/17/12 15:04*	*04/25/12 14:12*	*2*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*63*		*38 - 130*	*04/17/12 15:04*	*04/25/12 14:12*	*2*
2-Fluorophenol	*62*		*25 - 130*	*04/17/12 15:04*	*04/25/12 14:12*	*2*
Nitrobenzene-d5	*67*		*39 - 130*	*04/17/12 15:04*	*04/25/12 14:12*	*2*
Phenol-d5	*60*		*25 - 130*	*04/17/12 15:04*	*04/25/12 14:12*	*2*
Terphenyl-d14	*66*		*10 - 143*	*04/17/12 15:04*	*04/25/12 14:12*	*2*
2,4,6-Tribromophenol	*71*		*31 - 141*	*04/17/12 15:04*	*04/25/12 14:12*	*2*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0000051	U	0.000020	0.0000022	mg/L		04/23/12 14:00	04/24/12 12:36	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Pentachloroethane	*97*		*60 - 144*	*04/23/12 14:00*	*04/24/12 12:36*	*1*

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.00019	U	0.00095	0.000067	mg/L		04/13/12 15:37	04/16/12 20:39	1
PCB-1221	0.00027	U	0.0019	0.00027	mg/L		04/13/12 15:37	04/16/12 20:39	1
PCB-1232	0.00019	U	0.00095	0.00010	mg/L		04/13/12 15:37	04/16/12 20:39	1
PCB-1242	0.00019	U	0.00095	0.00017	mg/L		04/13/12 15:37	04/16/12 20:39	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: EQB-1

Lab Sample ID: 680-78497-3

Date Collected: 04/10/12 00:00
Matrix: Water
Date Received: 04/12/12 09:22

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1248	0.00034	U	0.00095	0.00034	mg/L		04/13/12 15:37	04/16/12 20:39	1
PCB-1254	0.00025	U	0.00095	0.00025	mg/L		04/13/12 15:37	04/16/12 20:39	1
PCB-1260	0.00019	U	0.00095	0.00019	mg/L		04/13/12 15:37	04/16/12 20:39	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*48*	*J*	*40 - 130*	*04/13/12 15:37*	*04/16/12 20:39*	*1*
DCB Decachlorobiphenyl	*24*	*J Q*	*40 - 130*	*04/13/12 15:37*	*04/16/12 20:39*	*1*
Tetrachloro-m-xylene	*91*	*J*	*36 - 130*	*04/13/12 15:37*	*04/16/12 20:39*	*1*
Tetrachloro-m-xylene	*56*	*J*	*36 - 130*	*04/13/12 15:37*	*04/16/12 20:39*	*1*

Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	**0.15**	**J**	0.29	0.038	mg/L		04/16/12 14:45	04/20/12 15:32	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-C39	*78*		*42 - 193*	*04/16/12 14:45*	*04/20/12 15:32*	*1*
o-Terphenyl (Surr)	*92*		*82 - 142*	*04/16/12 14:45*	*04/20/12 15:32*	*1*

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0080	U	0.020	0.0046	mg/L		04/17/12 09:39	04/18/12 14:34	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		04/17/12 09:39	04/18/12 14:34	1
Chromium	**0.0025**	**J**	0.010	0.0012	mg/L		04/17/12 09:39	04/18/12 14:34	1
Lead	0.0040	U	0.010	0.0040	mg/L		04/17/12 09:39	04/18/12 14:34	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: Trip Blank

Lab Sample ID: 680-78497-4

Date Collected: 04/11/12 00:00
Matrix: Water
Date Received: 04/12/12 09:22

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.0074	U	0.020	0.0074	mg/L			04/18/12 16:45	1
Acrylonitrile	0.0072	U	0.020	0.0072	mg/L			04/18/12 16:45	1
Benzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 16:45	1
Bromodichloromethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 16:45	1
Bromoform	0.00050	U	0.0010	0.00050	mg/L			04/18/12 16:45	1
Bromomethane	0.00080	U	0.0010	0.00080	mg/L			04/18/12 16:45	1
Carbon tetrachloride	0.00050	U	0.0010	0.00050	mg/L			04/18/12 16:45	1
Chlorobenzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 16:45	1
Chloroethane	0.0010	U Q	0.0010	0.0010	mg/L			04/18/12 16:45	1
2-Chloroethyl vinyl ether	0.00050	U	0.010	0.00026	mg/L			04/18/12 16:45	1
Chloroform	0.00025	U	0.0010	0.00014	mg/L			04/18/12 16:45	1
Chloromethane	0.00033	U	0.0010	0.00033	mg/L			04/18/12 16:45	1
Dibromochloromethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 16:45	1
1,2-Dibromoethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 16:45	1
1,1-Dichloroethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 16:45	1
1,2-Dichloroethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 16:45	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00020	mg/L			04/18/12 16:45	1
1,1-Dichloroethene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 16:45	1
1,2-Dichloropropane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 16:45	1
Ethylbenzene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 16:45	1
Methylene Chloride	0.0010	U	0.0050	0.0010	mg/L			04/18/12 16:45	1
Methyl tert-butyl ether	0.00050	U	0.010	0.00020	mg/L			04/18/12 16:45	1
1,1,2,2-Tetrachloroethane	0.00025	U	0.0010	0.00018	mg/L			04/18/12 16:45	1
Tetrachloroethene	0.00025	U	0.0010	0.00015	mg/L			04/18/12 16:45	1
Toluene	0.00033	U	0.0010	0.00033	mg/L			04/18/12 16:45	1
1,1,1-Trichloroethane	0.00050	U	0.0010	0.00050	mg/L			04/18/12 16:45	1
1,1,2-Trichloroethane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 16:45	1
Trichloroethene	0.00025	U	0.0010	0.00013	mg/L			04/18/12 16:45	1
Vinyl chloride	0.00050	U	0.0010	0.00018	mg/L			04/18/12 16:45	1
Xylenes, Total	0.00075	U	0.0020	0.00020	mg/L			04/18/12 16:45	1
1,3-Dichloropropene, Total	0.00050	U	0.0020	0.00011	mg/L			04/18/12 16:45	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*0.41*	*N*	*mg/L*		*0.99*	*124-38-9*		*04/18/12 16:45*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*99*		*70 - 130*		*04/18/12 16:45*	*1*
Dibromofluoromethane	*103*		*70 - 130*		*04/18/12 16:45*	*1*
Toluene-d8 (Surr)	*103*		*70 - 130*		*04/18/12 16:45*	*1*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0000051	U	0.000020	0.0000022	mg/L		04/23/12 14:00	04/24/12 12:44	1

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Pentachloroethane	*98*	*M*	*60 - 144*	*04/23/12 14:00*	*04/24/12 12:44*	*1*

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: SS-1

Date Collected: 04/10/12 09:07
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-5

Matrix: Solid
Percent Solids: 83.3

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.026	U	0.11	0.026	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Acrylonitrile	0.036	U	0.11	0.036	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Benzene	0.0011	U	0.0053	0.00078	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Bromodichloromethane	0.0011	U	0.0053	0.0010	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Bromoform	0.0016	U	0.0053	0.0016	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Bromomethane	0.0016	U	0.0053	0.0016	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Carbon tetrachloride	0.0011	U	0.0053	0.00088	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Chlorobenzene	0.0011	U	0.0053	0.0010	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Chloroethane	0.0029	U	0.0053	0.0029	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Chloroform	0.0012	U	0.0053	0.0012	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Chloromethane	0.0021	U	0.0053	0.0011	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Dibromochloromethane	0.0018	U	0.0053	0.0018	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
1,1-Dichloroethane	0.0012	U	0.0053	0.0012	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
1,2-Dichloroethane	0.0012	U	0.0053	0.0012	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
1,1-Dichloroethene	0.0016	U	0.0053	0.0016	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
1,2-Dichloropropane	0.0011	U	0.0053	0.00092	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
1,3-Dichloropropene, Total	0.0011	U	0.011	0.00088	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Ethylbenzene	0.0014	U	0.0053	0.0014	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Methylene Chloride	0.0011	U	0.0053	0.0010	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Methyl tert-butyl ether	0.0021	U	0.011	0.0011	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
1,1,2,2-Tetrachloroethane	0.0017	U	0.0053	0.0017	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Tetrachloroethene	0.0020	U	0.0053	0.0020	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Toluene	0.0011	U	0.0053	0.00089	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
trans-1,2-Dichloroethene	0.0011	U	0.0053	0.00067	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
1,1,1-Trichloroethane	0.0011	U	0.0053	0.00063	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
1,1,2-Trichloroethane	0.0014	U	0.0053	0.0014	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Trichloroethene	0.0014	U	0.0053	0.0014	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Vinyl chloride	0.0016	U	0.0053	0.0016	mg/Kg		04/12/12 11:19	04/16/12 19:15	1
Xylenes, Total	0.0012	U	0.011	0.0012	mg/Kg		04/12/12 11:19	04/16/12 19:15	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*0.81*	*N*	*mg/Kg*		*0.79*	*124-38-9*	*04/12/12 11:19*	*04/16/12 19:15*	*1*
Unknown	*0.021*	*N*	*mg/Kg*		*0.95*		*04/12/12 11:19*	*04/16/12 19:15*	*1*
Unknown	*0.014*	*N*	*mg/Kg*		*1.83*		*04/12/12 11:19*	*04/16/12 19:15*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*65 - 130*	*04/12/12 11:19*	*04/16/12 19:15*	*1*
Dibromofluoromethane	*104*		*65 - 130*	*04/12/12 11:19*	*04/16/12 19:15*	*1*
Toluene-d8 (Surr)	*99*		*65 - 130*	*04/12/12 11:19*	*04/16/12 19:15*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.049	U	0.39	0.049	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Acenaphthylene	0.043	U	0.39	0.043	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Anthracene	0.039	U	0.39	0.030	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Benzidine	0.99	U J	3.2	0.99	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Benzo[a]anthracene	**0.16**	**J**	0.39	0.032	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Benzo[a]pyrene	**0.13**	**J**	0.39	0.062	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Benzo[b]fluoranthene	**0.17**	**J M**	0.39	0.045	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Benzo[g,h,i]perylene	**0.083**	**J**	0.39	0.026	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Benzo[k]fluoranthene	**0.088**	**J M**	0.39	0.077	mg/Kg		04/17/12 17:50	04/24/12 22:34	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: SS-1
Date Collected: 04/10/12 09:07
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-5
Matrix: Solid
Percent Solids: 83.3

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Bis(2-chloroethoxy)methane	0.046	U	0.39	0.046	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Bis(2-chloroethyl)ether	0.054	U	0.39	0.054	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
bis (2-chloroisopropyl) ether	0.039	U	0.39	0.036	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Bis(2-ethylhexyl) phthalate	**0.049**	**J**	0.39	0.035	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
4-Bromophenyl phenyl ether	0.043	U	0.39	0.043	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Butyl benzyl phthalate	0.039	U	0.39	0.031	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
4-Chloro-3-methylphenol	0.042	U	0.39	0.042	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2-Chloronaphthalene	0.042	U	0.39	0.042	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2-Chlorophenol	0.048	U	0.39	0.048	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
4-Chlorophenyl phenyl ether	0.052	U	0.39	0.052	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Chrysene	**0.16**	**J**	0.39	0.025	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Dibenz(a,h)anthracene	0.046	U	0.39	0.046	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
1,2-Dichlorobenzene	0.044	U	0.39	0.044	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
1,3-Dichlorobenzene	0.041	U	0.39	0.041	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
1,4-Dichlorobenzene	0.042	U	0.39	0.042	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
3,3'-Dichlorobenzidine	0.039	U	0.79	0.033	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2,4-Dichlorophenol	0.042	U	0.39	0.042	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Diethyl phthalate	0.044	U	0.39	0.044	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2,4-Dimethylphenol	0.079	U	0.39	0.052	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Dimethyl phthalate	0.041	U	0.39	0.041	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Di-n-butyl phthalate	0.039	U	0.39	0.036	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
4,6-Dinitro-2-methylphenol	0.20	U	2.0	0.20	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2,4-Dinitrophenol	0.99	U	2.0	0.99	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2,4-Dinitrotoluene	0.079	U	0.39	0.058	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2,6-Dinitrotoluene	0.050	U	0.39	0.050	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Di-n-octyl phthalate	0.039	U	0.39	0.035	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
1,2-Diphenylhydrazine	0.041	U	0.39	0.041	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Fluoranthene	**0.26**	**J**	0.39	0.038	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Fluorene	0.043	U	0.39	0.043	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Hexachlorobenzene	0.046	U	0.39	0.046	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Hexachlorobutadiene	0.043	U	0.39	0.043	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Hexachlorocyclopentadiene	0.049	U J	0.39	0.049	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Hexachloroethane	0.039	U	0.39	0.033	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Indeno[1,2,3-cd]pyrene	**0.079**	**J**	0.39	0.033	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Isophorone	0.039	U	0.39	0.039	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Naphthalene	0.039	U	0.39	0.036	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Nitrobenzene	0.039	U	0.39	0.031	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2-Nitrophenol	0.049	U	0.39	0.049	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
4-Nitrophenol	0.39	U	2.0	0.39	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
N-Nitrosodimethylamine	0.14	U	0.39	0.14	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
N-Nitrosodi-n-propylamine	0.039	U	0.39	0.038	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
N-Nitrosodiphenylamine	0.039	U	0.39	0.039	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Pentachlorophenol	0.39	U	2.0	0.39	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Phenanthrene	**0.082**	**J**	0.39	0.032	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Phenol	0.041	U	0.39	0.041	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
Pyrene	**0.23**	**J**	0.39	0.032	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
1,2,4-Trichlorobenzene	0.039	U	0.39	0.037	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2,4,6-Trichlorophenol	0.039	U	0.39	0.035	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
2-Methylnaphthalene	0.045	U	0.39	0.045	mg/Kg		04/17/12 17:50	04/24/12 22:34	1
1-Methylnaphthalene	0.039	U	0.39	0.037	mg/Kg		04/17/12 17:50	04/24/12 22:34	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: SS-1

Date Collected: 04/10/12 09:07
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-5

Matrix: Solid
Percent Solids: 83.3

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown Aldol Condensate	1.8	N	mg/Kg		4.30		04/17/12 17:50	04/24/12 22:34	1
Hexadecanoic acid	0.47	N	mg/Kg		11.36	57-10-3	04/17/12 17:50	04/24/12 22:34	1
14-Pentadecenoic acid	0.91	N	mg/Kg		12.18	17351-34-7	04/17/12 17:50	04/24/12 22:34	1
Phosphine oxide, triphenyl-	0.68	N	mg/Kg		13.80	791-28-6	04/17/12 17:50	04/24/12 22:34	1
D-Friedoolean-14-ene, 3-methoxy-, (3.bet	0.23	N	mg/Kg		17.63	14021-23-9	04/17/12 17:50	04/24/12 22:34	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	78		58 - 130	04/17/12 17:50	04/24/12 22:34	1
2-Fluorophenol	63		40 - 130	04/17/12 17:50	04/24/12 22:34	1
Nitrobenzene-d5	64		46 - 130	04/17/12 17:50	04/24/12 22:34	1
Phenol-d5	65		49 - 130	04/17/12 17:50	04/24/12 22:34	1
Terphenyl-d14	78		60 - 130	04/17/12 17:50	04/24/12 22:34	1
2,4,6-Tribromophenol	97		58 - 130	04/17/12 17:50	04/24/12 22:34	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0080	U	0.039	0.0035	mg/Kg		04/17/12 17:50	04/18/12 20:18	1
PCB-1221	0.0080	U	0.080	0.0057	mg/Kg		04/17/12 17:50	04/18/12 20:18	1
PCB-1232	0.0039	U	0.039	0.0039	mg/Kg		04/17/12 17:50	04/18/12 20:18	1
PCB-1242	0.0080	U	0.039	0.0033	mg/Kg		04/17/12 17:50	04/18/12 20:18	1
PCB-1248	0.0086	U	0.039	0.0086	mg/Kg		04/17/12 17:50	04/18/12 20:18	1
PCB-1254	0.0039	U	0.039	0.0028	mg/Kg		04/17/12 17:50	04/18/12 20:18	1
PCB-1260	**0.013**	**J**	0.039	0.0080	mg/Kg		04/17/12 17:50	04/18/12 20:18	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	87		54 - 133	04/17/12 17:50	04/18/12 20:18	1
DCB Decachlorobiphenyl	95		54 - 133	04/17/12 17:50	04/18/12 20:18	1
Tetrachloro-m-xylene	91		46 - 130	04/17/12 17:50	04/18/12 20:18	1
Tetrachloro-m-xylene	96		46 - 130	04/17/12 17:50	04/18/12 20:18	1

Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	12	U J	12	12	mg/Kg		04/17/12 18:40	04/20/12 16:45	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-C39	126	J Q	60 - 118	04/17/12 18:40	04/20/12 16:45	1
o-Terphenyl (Surr)	97		62 - 109	04/17/12 18:40	04/20/12 16:45	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	**2.6**		2.3	0.67	mg/Kg		04/17/12 10:01	04/18/12 21:06	1
Cadmium	**0.80**		0.57	0.11	mg/Kg		04/17/12 10:01	04/18/12 21:06	1
Chromium	**13**		1.1	0.57	mg/Kg		04/17/12 10:01	04/18/12 21:06	1
Lead	**65**		1.1	0.61	mg/Kg		04/17/12 10:01	04/18/12 21:06	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: SS-2

Date Collected: 04/10/12 13:30
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-6

Matrix: Solid
Percent Solids: 87.1

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.028	U	0.12	0.028	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Acrylonitrile	0.039	U	0.12	0.039	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Benzene	0.0012	U	0.0058	0.00084	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Bromodichloromethane	0.0012	U	0.0058	0.0011	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Bromoform	0.0017	U	0.0058	0.0017	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Bromomethane	0.0017	U	0.0058	0.0017	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Carbon tetrachloride	0.0012	U	0.0058	0.00096	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Chlorobenzene	0.0012	U	0.0058	0.0011	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Chloroethane	0.0031	U	0.0058	0.0031	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Chloroform	0.0013	U	0.0058	0.0013	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Chloromethane	0.0023	U	0.0058	0.0012	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Dibromochloromethane	0.0020	U	0.0058	0.0020	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
1,1-Dichloroethane	0.0013	U	0.0058	0.0013	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
1,2-Dichloroethane	0.0013	U	0.0058	0.0013	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
1,1-Dichloroethene	0.0017	U	0.0058	0.0017	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
1,2-Dichloropropane	0.0012	U	0.0058	0.00099	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
1,3-Dichloropropene, Total	0.0012	U	0.012	0.00096	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Ethylbenzene	0.0015	U	0.0058	0.0015	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Methylene Chloride	0.0012	U	0.0058	0.0011	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Methyl tert-butyl ether	0.0023	U	0.012	0.0012	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
1,1,2,2-Tetrachloroethane	0.0019	U	0.0058	0.0019	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Tetrachloroethene	0.0022	U	0.0058	0.0022	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Toluene	0.0012	U	0.0058	0.00097	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
trans-1,2-Dichloroethene	0.0012	U	0.0058	0.00073	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
1,1,1-Trichloroethane	0.0012	U	0.0058	0.00068	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
1,1,2-Trichloroethane	0.0015	U	0.0058	0.0015	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Trichloroethene	0.0015	U	0.0058	0.0015	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Vinyl chloride	0.0017	U	0.0058	0.0017	mg/Kg		04/12/12 11:19	04/16/12 19:38	1
Xylenes, Total	0.0013	U	0.012	0.0013	mg/Kg		04/12/12 11:19	04/16/12 19:38	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*0.71*	*N*	*mg/Kg*		*0.79*	*124-38-9*	*04/12/12 11:19*	*04/16/12 19:38*	*1*
Unknown	*0.098*	*N*	*mg/Kg*		*0.95*		*04/12/12 11:19*	*04/16/12 19:38*	*1*
Unknown	*0.016*	*N*	*mg/Kg*		*1.83*		*04/12/12 11:19*	*04/16/12 19:38*	*1*
Unknown	*0.0083*	*N*	*mg/Kg*		*5.92*		*04/12/12 11:19*	*04/16/12 19:38*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*107*		*65 - 130*	*04/12/12 11:19*	*04/16/12 19:38*	*1*
Dibromofluoromethane	*103*		*65 - 130*	*04/12/12 11:19*	*04/16/12 19:38*	*1*
Toluene-d8 (Surr)	*101*		*65 - 130*	*04/12/12 11:19*	*04/16/12 19:38*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.047	U	0.38	0.047	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Acenaphthylene	0.041	U	0.38	0.041	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Anthracene	0.038	U	0.38	0.028	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Benzidine	0.95	U	3.1	0.95	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Benzo[a]anthracene	0.038	U	0.38	0.031	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Benzo[a]pyrene	0.059	U	0.38	0.059	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Benzo[b]fluoranthene	0.043	U	0.38	0.043	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Benzo[g,h,i]perylene	0.038	U	0.38	0.025	mg/Kg		04/17/12 17:50	04/24/12 19:39	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: SS-2

Date Collected: 04/10/12 13:30
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-6

Matrix: Solid
Percent Solids: 87.1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzo[k]fluoranthene	0.074	U	0.38	0.074	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Bis(2-chloroethoxy)methane	0.044	U	0.38	0.044	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Bis(2-chloroethyl)ether	0.051	U	0.38	0.051	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
bis (2-chloroisopropyl) ether	0.038	U	0.38	0.034	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Bis(2-ethylhexyl) phthalate	**0.040**	**J**	0.38	0.033	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
4-Bromophenyl phenyl ether	0.041	U	0.38	0.041	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Butyl benzyl phthalate	0.038	U	0.38	0.030	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
4-Chloro-3-methylphenol	0.040	U	0.38	0.040	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2-Chloronaphthalene	0.040	U	0.38	0.040	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2-Chlorophenol	0.046	U	0.38	0.046	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
4-Chlorophenyl phenyl ether	0.050	U	0.38	0.050	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Chrysene	0.038	U	0.38	0.024	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Dibenz(a,h)anthracene	0.044	U	0.38	0.044	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
1,2-Dichlorobenzene	0.042	U	0.38	0.042	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
1,3-Dichlorobenzene	0.039	U	0.38	0.039	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
1,4-Dichlorobenzene	0.040	U	0.38	0.040	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
3,3'-Dichlorobenzidine	0.038	U	0.75	0.032	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2,4-Dichlorophenol	0.040	U	0.38	0.040	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Diethyl phthalate	0.042	U	0.38	0.042	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2,4-Dimethylphenol	0.075	U	0.38	0.050	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Dimethyl phthalate	0.039	U	0.38	0.039	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Di-n-butyl phthalate	0.038	U	0.38	0.034	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
4,6-Dinitro-2-methylphenol	0.19	U	1.9	0.19	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2,4-Dinitrophenol	0.95	U	1.9	0.95	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2,4-Dinitrotoluene	0.075	U	0.38	0.056	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2,6-Dinitrotoluene	0.048	U	0.38	0.048	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Di-n-octyl phthalate	0.038	U	0.38	0.033	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
1,2-Diphenylhydrazine	0.039	U	0.38	0.039	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Fluoranthene	0.038	U	0.38	0.036	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Fluorene	0.041	U	0.38	0.041	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Hexachlorobenzene	0.044	U	0.38	0.044	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Hexachlorobutadiene	0.041	U	0.38	0.041	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Hexachlorocyclopentadiene	0.047	U	0.38	0.047	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Hexachloroethane	0.038	U	0.38	0.032	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Indeno[1,2,3-cd]pyrene	0.038	U	0.38	0.032	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Isophorone	0.038	U	0.38	0.038	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Naphthalene	0.038	U	0.38	0.034	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Nitrobenzene	0.038	U	0.38	0.030	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2-Nitrophenol	0.047	U	0.38	0.047	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
4-Nitrophenol	0.38	U	1.9	0.38	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
N-Nitrosodimethylamine	0.14	U	0.38	0.14	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
N-Nitrosodi-n-propylamine	0.038	U	0.38	0.036	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
N-Nitrosodiphenylamine	0.038	U	0.38	0.038	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Pentachlorophenol	0.38	U	1.9	0.38	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Phenanthrene	0.038	U	0.38	0.031	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Phenol	0.039	U	0.38	0.039	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
Pyrene	0.038	U	0.38	0.031	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
1,2,4-Trichlorobenzene	0.038	U	0.38	0.035	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2,4,6-Trichlorophenol	0.038	U	0.38	0.033	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
2-Methylnaphthalene	0.043	U	0.38	0.043	mg/Kg		04/17/12 17:50	04/24/12 19:39	1
1-Methylnaphthalene	0.038	U	0.38	0.035	mg/Kg		04/17/12 17:50	04/24/12 19:39	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: SS-2

Date Collected: 04/10/12 13:30
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-6

Matrix: Solid
Percent Solids: 87.1

Tentatively Identified Compound	Est. Result	Qualifier	Unit	D	RT	CAS No.	Prepared	Analyzed	Dil Fac
Unknown Aldol Condensate	2.7	N	mg/Kg		4.28		04/17/12 17:50	04/24/12 19:39	1
Phosphine oxide, triphenyl-	0.92	N	mg/Kg		13.80	791-28-6	04/17/12 17:50	04/24/12 19:39	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
2-Fluorobiphenyl	77		58 - 130	04/17/12 17:50	04/24/12 19:39	1
2-Fluorophenol	66		40 - 130	04/17/12 17:50	04/24/12 19:39	1
Nitrobenzene-d5	66		46 - 130	04/17/12 17:50	04/24/12 19:39	1
Phenol-d5	66		49 - 130	04/17/12 17:50	04/24/12 19:39	1
Terphenyl-d14	75		60 - 130	04/17/12 17:50	04/24/12 19:39	1
2,4,6-Tribromophenol	99		58 - 130	04/17/12 17:50	04/24/12 19:39	1

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0076	U	0.038	0.0033	mg/Kg		04/17/12 17:50	04/18/12 20:42	1
PCB-1221	0.0076	U	0.076	0.0055	mg/Kg		04/17/12 17:50	04/18/12 20:42	1
PCB-1232	0.0038	U	0.038	0.0038	mg/Kg		04/17/12 17:50	04/18/12 20:42	1
PCB-1242	0.0076	U	0.038	0.0032	mg/Kg		04/17/12 17:50	04/18/12 20:42	1
PCB-1248	0.0082	U	0.038	0.0082	mg/Kg		04/17/12 17:50	04/18/12 20:42	1
PCB-1254	0.0038	U	0.038	0.0026	mg/Kg		04/17/12 17:50	04/18/12 20:42	1
PCB-1260	0.0076	U	0.038	0.0076	mg/Kg		04/17/12 17:50	04/18/12 20:42	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
DCB Decachlorobiphenyl	79		54 - 133	04/17/12 17:50	04/18/12 20:42	1
DCB Decachlorobiphenyl	81		54 - 133	04/17/12 17:50	04/18/12 20:42	1
Tetrachloro-m-xylene	80		46 - 130	04/17/12 17:50	04/18/12 20:42	1
Tetrachloro-m-xylene	84		46 - 130	04/17/12 17:50	04/18/12 20:42	1

Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	11	U	11	11	mg/Kg		04/17/12 18:40	04/20/12 16:15	1

Surrogate	%Recovery	Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-C39	66		60 - 118	04/17/12 18:40	04/20/12 16:15	1
o-Terphenyl (Surr)	99		62 - 109	04/17/12 18:40	04/20/12 16:15	1

Method: 6010B - Metals (ICP)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.89	U	2.2	0.66	mg/Kg		04/17/12 10:01	04/18/12 21:11	1
Cadmium	0.22	U	0.56	0.11	mg/Kg		04/17/12 10:01	04/18/12 21:11	1
Chromium	**2.4**		1.1	0.56	mg/Kg		04/17/12 10:01	04/18/12 21:11	1
Lead	**0.74**	**J**	1.1	0.59	mg/Kg		04/17/12 10:01	04/18/12 21:11	1

Client Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: Trip Blank

Date Collected: 04/10/12 00:00
Date Received: 04/12/12 09:22

Lab Sample ID: 680-78497-7

Matrix: Water

Method: 8260B - Volatile Organic Compounds (GC/MS)

Analyte	Result	Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.0074	U	0.020	0.0074	mg/L			04/18/12 17:07	1
Acrylonitrile	0.0072	U	0.020	0.0072	mg/L			04/18/12 17:07	1
Benzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:07	1
Bromodichloromethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:07	1
Bromoform	0.00050	U	0.0010	0.00050	mg/L			04/18/12 17:07	1
Bromomethane	0.00080	U	0.0010	0.00080	mg/L			04/18/12 17:07	1
Carbon tetrachloride	0.00050	U	0.0010	0.00050	mg/L			04/18/12 17:07	1
Chlorobenzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:07	1
Chloroethane	0.0010	U Q	0.0010	0.0010	mg/L			04/18/12 17:07	1
2-Chloroethyl vinyl ether	0.00050	U	0.010	0.00026	mg/L			04/18/12 17:07	1
Chloroform	0.00025	U	0.0010	0.00014	mg/L			04/18/12 17:07	1
Chloromethane	0.00033	U	0.0010	0.00033	mg/L			04/18/12 17:07	1
Dibromochloromethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 17:07	1
1,2-Dibromoethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:07	1
1,1-Dichloroethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 17:07	1
1,2-Dichloroethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 17:07	1
1,1-Dichloroethene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 17:07	1
1,2-Dichloropropane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 17:07	1
1,3-Dichloropropene, Total	0.00050	U	0.0020	0.00011	mg/L			04/18/12 17:07	1
Ethylbenzene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 17:07	1
Methylene Chloride	0.0010	U	0.0050	0.0010	mg/L			04/18/12 17:07	1
Methyl tert-butyl ether	0.00050	U	0.010	0.00020	mg/L			04/18/12 17:07	1
1,1,2,2-Tetrachloroethane	0.00025	U	0.0010	0.00018	mg/L			04/18/12 17:07	1
Tetrachloroethene	0.00025	U	0.0010	0.00015	mg/L			04/18/12 17:07	1
Toluene	0.00033	U	0.0010	0.00033	mg/L			04/18/12 17:07	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00020	mg/L			04/18/12 17:07	1
1,1,1-Trichloroethane	0.00050	U	0.0010	0.00050	mg/L			04/18/12 17:07	1
1,1,2-Trichloroethane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 17:07	1
Trichloroethene	0.00025	U	0.0010	0.00013	mg/L			04/18/12 17:07	1
Vinyl chloride	0.00050	U	0.0010	0.00018	mg/L			04/18/12 17:07	1
Xylenes, Total	0.00075	U	0.0020	0.00020	mg/L			04/18/12 17:07	1

Tentatively Identified Compound	*Est. Result*	*Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*0.047*	*N*	*mg/L*		*1.00*	*124-38-9*		*04/18/12 17:07*	*1*
Unknown Cycloalkane	*0.0064*	*N*	*mg/L*		*2.21*			*04/18/12 17:07*	*1*

Surrogate	*%Recovery*	*Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*100*		*70 - 130*		*04/18/12 17:07*	*1*
Dibromofluoromethane	*104*		*70 - 130*		*04/18/12 17:07*	*1*
Toluene-d8 (Surr)	*102*		*70 - 130*		*04/18/12 17:07*	*1*

Surrogate Summary

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(65-130)	(65-130)	(65-130)
680-78497-5	SS-1	103	104	99
680-78497-6	SS-2	107	103	101
LCS 680-234473/4	Lab Control Sample	93	98	94
LCSD 680-234473/5	Lab Control Sample Dup	101	107	103
MB 680-234473/7	Method Blank	103	102	103

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)		
		BFB	DBFM	TOL
Lab Sample ID	Client Sample ID	(70-130)	(70-130)	(70-130)
680-78497-1	MW-1	100	101	102
680-78497-2	MW-2	101	103	103
680-78497-3	EQB-1	95	97	109
680-78497-4	Trip Blank	99	103	103
680-78497-7	Trip Blank	100	104	102
LCS 680-234405/4	Lab Control Sample	97	100	96
LCS 680-234656/5	Lab Control Sample	104	102	105
LCSD 680-234405/5	Lab Control Sample Dup	102	103	99
LCSD 680-234656/6	Lab Control Sample Dup	103	103	105
MB 680-234405/7	Method Blank	98	102	105
MB 680-234656/8	Method Blank	102	100	99

Surrogate Legend

BFB = 4-Bromofluorobenzene
DBFM = Dibromofluoromethane
TOL = Toluene-d8 (Surr)

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(58-130)	(40-130)	(46-130)	(49-130)	(60-130)	(58-130)
680-78497-5	SS-1	78	63	64	65	78	97
680-78497-5 MS	SS-1	73	67	63	68	78	100
680-78497-5 MSD	SS-1	73	65	62	67	84	101
680-78497-6	SS-2	77	66	66	66	75	99
LCS 680-234538/7-A	Lab Control Sample	76	70	65	70	87	100
MB 680-234538/6-A	Method Blank	74	64	64	66	80	90

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5

TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)					
		FBP	2FP	NBZ	PHL	TPH	TBP
Lab Sample ID	Client Sample ID	(38-130)	(25-130)	(39-130)	(25-130)	(10-143)	(31-141)
680-78497-1	MW-1	67	49	61	52	38	88
680-78497-2	MW-2	56	43	53	44	32	75
680-78497-2 MS	MW-2	63	52	59	51	32	82
680-78497-2 MSD	MW-2	67	59	65	58	34	83
680-78497-3	EQB-1	62	51	57	50	69	86
680-78497-3 - DL	EQB-1	63	62	67	60	66	71
LCS 680-234475/5-A	Lab Control Sample	72	68	69	64	91	103
LCSD 680-234475/6-A	Lab Control Sample Dup	78	73	74	71	94	107
MB 680-234475/4-A	Method Blank	74	62	71	61	86	98

Surrogate Legend

FBP = 2-Fluorobiphenyl
2FP = 2-Fluorophenol
NBZ = Nitrobenzene-d5
PHL = Phenol-d5
TPH = Terphenyl-d14
TBP = 2,4,6-Tribromophenol

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		achloroeth	achloroeth
Lab Sample ID	Client Sample ID	(60-144)	(60-144)
680-78497-1	MW-1	101 M	
680-78497-2	MW-2	103	
680-78497-3	EQB-1	97	
680-78497-4	Trip Blank	98 M	
LCS 680-235077/10-A	Lab Control Sample	95	99
LCSD 680-235077/11-A	Lab Control Sample Dup	102	100
MB 680-235077/9-A	Method Blank	87 M	100

Surrogate Legend

Pentachloroethane = Pentachloroethane

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(40-130)	(40-130)	(36-130)	(36-130)
680-78497-1	MW-1	40 M	33 Q	71	54
680-78497-2	MW-2	12 M J Q	31 J Q	5077 M J Q	102 J
680-78497-3	EQB-1	48 J	24 J Q	91 J	56 J
LCS 680-234215/12-A	Lab Control Sample	63 M	53 M	84	68
MB 680-234215/8-A	Method Blank	54	47 M	92	78

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)			
		DCB1	DCB2	TCX1	TCX2
Lab Sample ID	Client Sample ID	(54-133)	(54-133)	(46-130)	(46-130)
680-78497-5	SS-1	87	95	91	96
680-78497-5 MS	SS-1	81	84	81	85
680-78497-5 MSD	SS-1	77	84	78	82
680-78497-6	SS-2	79	81	80	84
LCS 680-234531/5-A	Lab Control Sample	81	83	80	82
MB 680-234531/4-A	Method Blank	95	100	93	97

Surrogate Legend

DCB = DCB Decachlorobiphenyl
TCX = Tetrachloro-m-xylene

Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Matrix: Solid **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		C39	OTPH
Lab Sample ID	Client Sample ID	(60-118)	(62-109)
680-78497-5	SS-1	126 J Q	97
680-78497-5 MS	SS-1	138 J Q	87
680-78497-5 MSD	SS-1	148 J Q	109 J
680-78497-6	SS-2	66	99
LCS 680-234541/4-A	Lab Control Sample	63	85
MB 680-234541/3-A	Method Blank	66	93

Surrogate Legend

C39 = n-C39
OTPH = o-Terphenyl (Surr)

Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Matrix: Water **Prep Type: Total/NA**

		Percent Surrogate Recovery (Acceptance Limits)	
		C39	OTPH
Lab Sample ID	Client Sample ID	(42-193)	(82-142)
680-78497-1	MW-1	78	99
680-78497-2	MW-2	53	102 J
680-78497-3	EQB-1	78	92
LCS 680-234370/5-A	Lab Control Sample	79	94
LCSD 680-234370/6-A	Lab Control Sample Dup	76	96
MB 680-234370/4-A	Method Blank	103 J	80 Q

Surrogate Legend

C39 = n-C39
OTPH = o-Terphenyl (Surr)

Method: 8260B - Volatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-234405/7
Matrix: Water
Analysis Batch: 234405

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.0074	U	0.020	0.0074	mg/L			04/16/12 11:46	1
Acrylonitrile	0.0072	U	0.020	0.0072	mg/L			04/16/12 11:46	1
Benzene	0.00025	U	0.0010	0.00025	mg/L			04/16/12 11:46	1
Bromodichloromethane	0.00025	U	0.0010	0.00025	mg/L			04/16/12 11:46	1
Bromoform	0.00050	U	0.0010	0.00050	mg/L			04/16/12 11:46	1
Bromomethane	0.00080	U	0.0010	0.00080	mg/L			04/16/12 11:46	1
Carbon tetrachloride	0.00050	U	0.0010	0.00050	mg/L			04/16/12 11:46	1
Chlorobenzene	0.00025	U	0.0010	0.00025	mg/L			04/16/12 11:46	1
Chloroethane	0.0010	U	0.0010	0.0010	mg/L			04/16/12 11:46	1
2-Chloroethyl vinyl ether	0.00050	U	0.010	0.00026	mg/L			04/16/12 11:46	1
Chloroform	0.00025	U	0.0010	0.00014	mg/L			04/16/12 11:46	1
Chloromethane	0.00033	U	0.0010	0.00033	mg/L			04/16/12 11:46	1
Dibromochloromethane	0.00025	U	0.0010	0.00010	mg/L			04/16/12 11:46	1
1,2-Dibromoethane	0.00025	U	0.0010	0.00025	mg/L			04/16/12 11:46	1
1,1-Dichloroethane	0.00025	U	0.0010	0.00025	mg/L			04/16/12 11:46	1
1,2-Dichloroethane	0.00025	U	0.0010	0.00010	mg/L			04/16/12 11:46	1
1,1-Dichloroethene	0.00025	U	0.0010	0.00011	mg/L			04/16/12 11:46	1
1,2-Dichloropropane	0.00025	U	0.0010	0.00013	mg/L			04/16/12 11:46	1
Ethylbenzene	0.00025	U	0.0010	0.00011	mg/L			04/16/12 11:46	1
Methylene Chloride	0.0010	U	0.0050	0.0010	mg/L			04/16/12 11:46	1
Methyl tert-butyl ether	0.00050	U	0.010	0.00020	mg/L			04/16/12 11:46	1
1,1,2,2-Tetrachloroethane	0.00025	U	0.0010	0.00018	mg/L			04/16/12 11:46	1
Tetrachloroethene	0.00025	U	0.0010	0.00015	mg/L			04/16/12 11:46	1
Toluene	0.00033	U	0.0010	0.00033	mg/L			04/16/12 11:46	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00020	mg/L			04/16/12 11:46	1
1,1,1-Trichloroethane	0.00050	U	0.0010	0.00050	mg/L			04/16/12 11:46	1
1,1,2-Trichloroethane	0.00025	U	0.0010	0.00013	mg/L			04/16/12 11:46	1
Trichloroethene	0.00025	U	0.0010	0.00013	mg/L			04/16/12 11:46	1
Vinyl chloride	0.00050	U	0.0010	0.00018	mg/L			04/16/12 11:46	1
1,3-Dichloropropene, Total	0.00050	U	0.0020	0.00011	mg/L			04/16/12 11:46	1
Xylenes, Total	0.00075	U	0.0020	0.00020	mg/L			04/16/12 11:46	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*0.187*	*N*	*mg/L*		*1.13*	*124-38-9*		*04/16/12 11:46*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*98*		*70 - 130*		*04/16/12 11:46*	*1*
Dibromofluoromethane	*102*		*70 - 130*		*04/16/12 11:46*	*1*
Toluene-d8 (Surr)	*105*		*70 - 130*		*04/16/12 11:46*	*1*

Lab Sample ID: LCS 680-234405/4
Matrix: Water
Analysis Batch: 234405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0469		mg/L		94	70 - 130
Bromodichloromethane	0.0500	0.0459		mg/L		92	70 - 130
Bromoform	0.0500	0.0380		mg/L		76	70 - 130
Bromomethane	0.0500	0.0347		mg/L		69	23 - 165

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-234405/4
Matrix: Water
Analysis Batch: 234405

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Carbon tetrachloride	0.0500	0.0337	Q	mg/L		67	70 - 130
Chlorobenzene	0.0500	0.0482		mg/L		96	70 - 130
Chloroethane	0.0500	0.0440		mg/L		88	56 - 152
2-Chloroethyl vinyl ether	0.100	0.0918		mg/L		92	70 - 130
Chloroform	0.0500	0.0492		mg/L		98	70 - 130
Chloromethane	0.0500	0.0449		mg/L		90	70 - 130
Dibromochloromethane	0.0500	0.0354		mg/L		71	70 - 130
1,2-Dibromoethane	0.0500	0.0479		mg/L		96	70 - 130
1,1-Dichloroethane	0.0500	0.0491		mg/L		98	70 - 130
1,2-Dichloroethane	0.0500	0.0460		mg/L		92	70 - 130
1,1-Dichloroethene	0.0500	0.0497		mg/L		99	66 - 131
1,2-Dichloropropane	0.0500	0.0484		mg/L		97	70 - 130
Ethylbenzene	0.0500	0.0482		mg/L		96	70 - 130
Methylene Chloride	0.0500	0.0489		mg/L		98	67 - 130
Methyl tert-butyl ether	0.100	0.0950		mg/L		95	64 - 131
1,1,2,2-Tetrachloroethane	0.0500	0.0475		mg/L		95	70 - 130
Tetrachloroethene	0.0500	0.0490		mg/L		98	70 - 130
Toluene	0.0500	0.0464		mg/L		93	70 - 130
trans-1,2-Dichloroethene	0.0500	0.0491		mg/L		98	70 - 130
1,1,1-Trichloroethane	0.0500	0.0460		mg/L		92	70 - 130
1,1,2-Trichloroethane	0.0500	0.0488		mg/L		98	70 - 130
Trichloroethene	0.0500	0.0493		mg/L		99	70 - 130
Vinyl chloride	0.0500	0.0500		mg/L		100	67 - 134
1,3-Dichloropropene, Total	0.100	0.0940		mg/L		94	70 - 130
Xylenes, Total	0.150	0.148		mg/L		98	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*97*		*70 - 130*
Dibromofluoromethane	*100*		*70 - 130*
Toluene-d8 (Surr)	*96*		*70 - 130*

Lab Sample ID: LCSD 680-234405/5
Matrix: Water
Analysis Batch: 234405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.0487		mg/L		97	70 - 130	4	30
Bromodichloromethane	0.0500	0.0486		mg/L		97	70 - 130	6	30
Bromoform	0.0500	0.0413		mg/L		83	70 - 130	8	30
Bromomethane	0.0500	0.0386		mg/L		77	23 - 165	11	50
Carbon tetrachloride	0.0500	0.0379		mg/L		76	70 - 130	12	30
Chlorobenzene	0.0500	0.0498		mg/L		100	70 - 130	3	30
Chloroethane	0.0500	0.0458		mg/L		92	56 - 152	4	40
2-Chloroethyl vinyl ether	0.100	0.0956		mg/L		96	70 - 130	4	50
Chloroform	0.0500	0.0511		mg/L		102	70 - 130	4	30
Chloromethane	0.0500	0.0469		mg/L		94	70 - 130	4	30
Dibromochloromethane	0.0500	0.0388		mg/L		78	70 - 130	9	50
1,2-Dibromoethane	0.0500	0.0497		mg/L		99	70 - 130	4	30
1,1-Dichloroethane	0.0500	0.0508		mg/L		102	70 - 130	3	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-234405/5
Matrix: Water
Analysis Batch: 234405

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloroethane	0.0500	0.0469		mg/L		94	70 - 130	2	30
1,1-Dichloroethene	0.0500	0.0511		mg/L		102	66 - 131	3	30
1,2-Dichloropropane	0.0500	0.0498		mg/L		100	70 - 130	3	30
Ethylbenzene	0.0500	0.0506		mg/L		101	70 - 130	5	30
Methylene Chloride	0.0500	0.0511		mg/L		102	67 - 130	4	30
Methyl tert-butyl ether	0.100	0.0991		mg/L		99	64 - 131	4	30
1,1,2,2-Tetrachloroethane	0.0500	0.0502		mg/L		100	70 - 130	6	30
Tetrachloroethene	0.0500	0.0513		mg/L		103	70 - 130	5	30
Toluene	0.0500	0.0479		mg/L		96	70 - 130	3	30
trans-1,2-Dichloroethene	0.0500	0.0507		mg/L		101	70 - 130	3	30
1,1,1-Trichloroethane	0.0500	0.0484		mg/L		97	70 - 130	5	30
1,1,2-Trichloroethane	0.0500	0.0492		mg/L		98	70 - 130	1	30
Trichloroethene	0.0500	0.0517		mg/L		103	70 - 130	5	30
Vinyl chloride	0.0500	0.0513		mg/L		103	67 - 134	2	30
1,3-Dichloropropene, Total	0.100	0.0987		mg/L		99	70 - 130	5	50
Xylenes, Total	0.150	0.153		mg/L		102	70 - 130	3	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*102*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8 (Surr)	*99*		*70 - 130*

Lab Sample ID: MB 680-234473/7
Matrix: Solid
Analysis Batch: 234473

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.024	U	0.10	0.024	mg/Kg			04/16/12 14:42	1
Acrylonitrile	0.034	U	0.10	0.034	mg/Kg			04/16/12 14:42	1
Benzene	0.0010	U	0.0050	0.00073	mg/Kg			04/16/12 14:42	1
Bromodichloromethane	0.0010	U	0.0050	0.00097	mg/Kg			04/16/12 14:42	1
Bromoform	0.0015	U	0.0050	0.0015	mg/Kg			04/16/12 14:42	1
Bromomethane	0.0015	U	0.0050	0.0015	mg/Kg			04/16/12 14:42	1
Carbon tetrachloride	0.0010	U	0.0050	0.00083	mg/Kg			04/16/12 14:42	1
Chlorobenzene	0.0010	U	0.0050	0.00096	mg/Kg			04/16/12 14:42	1
Chloroethane	0.0027	U	0.0050	0.0027	mg/Kg			04/16/12 14:42	1
Chloroform	0.0011	U	0.0050	0.0011	mg/Kg			04/16/12 14:42	1
Chloromethane	0.0020	U	0.0050	0.0010	mg/Kg			04/16/12 14:42	1
Dibromochloromethane	0.0017	U	0.0050	0.0017	mg/Kg			04/16/12 14:42	1
1,1-Dichloroethane	0.0011	U	0.0050	0.0011	mg/Kg			04/16/12 14:42	1
1,2-Dichloroethane	0.0011	U	0.0050	0.0011	mg/Kg			04/16/12 14:42	1
1,1-Dichloroethene	0.0015	U	0.0050	0.0015	mg/Kg			04/16/12 14:42	1
1,2-Dichloropropane	0.0010	U	0.0050	0.00086	mg/Kg			04/16/12 14:42	1
Ethylbenzene	0.0013	U	0.0050	0.0013	mg/Kg			04/16/12 14:42	1
Methylene Chloride	0.0010	U	0.0050	0.00098	mg/Kg			04/16/12 14:42	1
Methyl tert-butyl ether	0.0020	U	0.010	0.0010	mg/Kg			04/16/12 14:42	1
1,1,2,2-Tetrachloroethane	0.0016	U	0.0050	0.0016	mg/Kg			04/16/12 14:42	1
Tetrachloroethene	0.0019	U	0.0050	0.0019	mg/Kg			04/16/12 14:42	1
Toluene	0.0010	U	0.0050	0.00084	mg/Kg			04/16/12 14:42	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-234473/7
Matrix: Solid
Analysis Batch: 234473

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
trans-1,2-Dichloroethene	0.0010	U	0.0050	0.00063	mg/Kg			04/16/12 14:42	1
1,1,1-Trichloroethane	0.0010	U	0.0050	0.00059	mg/Kg			04/16/12 14:42	1
1,1,2-Trichloroethane	0.0013	U	0.0050	0.0013	mg/Kg			04/16/12 14:42	1
Trichloroethene	0.0013	U	0.0050	0.0013	mg/Kg			04/16/12 14:42	1
Vinyl chloride	0.0015	U	0.0050	0.0015	mg/Kg			04/16/12 14:42	1
1,3-Dichloropropene, Total	0.0010	U	0.010	0.00083	mg/Kg			04/16/12 14:42	1
Xylenes, Total	0.0011	U	0.010	0.0011	mg/Kg			04/16/12 14:42	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*0.388*	*N*	*mg/Kg*		*0.79*	*124-38-9*		*04/16/12 14:42*	*1*
Unknown	*0.0700*	*N*	*mg/Kg*		*0.95*			*04/16/12 14:42*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*103*		*65 - 130*		*04/16/12 14:42*	*1*
Dibromofluoromethane	*102*		*65 - 130*		*04/16/12 14:42*	*1*
Toluene-d8 (Surr)	*103*		*65 - 130*		*04/16/12 14:42*	*1*

Lab Sample ID: LCS 680-234473/4
Matrix: Solid
Analysis Batch: 234473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0460		mg/Kg		92	70 - 130
Bromodichloromethane	0.0500	0.0491		mg/Kg		98	70 - 130
Bromoform	0.0500	0.0518		mg/Kg		104	70 - 130
Bromomethane	0.0500	0.0448		mg/Kg		90	44 - 130
Carbon tetrachloride	0.0500	0.0500		mg/Kg		100	68 - 130
Chlorobenzene	0.0500	0.0464		mg/Kg		93	70 - 130
Chloroethane	0.0500	0.0441		mg/Kg		88	36 - 150
Chloroform	0.0500	0.0479		mg/Kg		96	70 - 130
Chloromethane	0.0500	0.0480		mg/Kg		96	62 - 135
Dibromochloromethane	0.0500	0.0489		mg/Kg		98	70 - 130
1,1-Dichloroethane	0.0500	0.0471		mg/Kg		94	70 - 130
1,2-Dichloroethane	0.0500	0.0465		mg/Kg		93	66 - 130
1,1-Dichloroethene	0.0500	0.0469		mg/Kg		94	69 - 130
1,2-Dichloropropane	0.0500	0.0481		mg/Kg		96	70 - 130
Ethylbenzene	0.0500	0.0455		mg/Kg		91	70 - 130
Methylene Chloride	0.0500	0.0459		mg/Kg		92	52 - 135
Methyl tert-butyl ether	0.100	0.0951		mg/Kg		95	70 - 130
1,1,2,2-Tetrachloroethane	0.0500	0.0468		mg/Kg		94	70 - 130
Tetrachloroethene	0.0500	0.0470		mg/Kg		94	70 - 130
Toluene	0.0500	0.0477		mg/Kg		95	70 - 130
trans-1,2-Dichloroethene	0.0500	0.0453		mg/Kg		91	70 - 130
1,1,1-Trichloroethane	0.0500	0.0490		mg/Kg		98	69 - 130
1,1,2-Trichloroethane	0.0500	0.0508		mg/Kg		102	70 - 130
Trichloroethene	0.0500	0.0483		mg/Kg		97	70 - 130
Vinyl chloride	0.0500	0.0465		mg/Kg		93	65 - 135
1,3-Dichloropropene, Total	0.100	0.0980		mg/Kg		98	70 - 130
Xylenes, Total	0.150	0.139		mg/Kg		92	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-234473/4
Matrix: Solid
Analysis Batch: 234473

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*93*		*65 - 130*
Dibromofluoromethane	*98*		*65 - 130*
Toluene-d8 (Surr)	*94*		*65 - 130*

Lab Sample ID: LCSD 680-234473/5
Matrix: Solid
Analysis Batch: 234473

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene			0.0500	0.0507		mg/Kg		101	70 - 130	10	50
Bromodichloromethane			0.0500	0.0537		mg/Kg		107	70 - 130	9	50
Bromoform			0.0500	0.0547		mg/Kg		109	70 - 130	5	50
Bromomethane			0.0500	0.0541		mg/Kg		108	44 - 130	19	50
Carbon tetrachloride			0.0500	0.0548		mg/Kg		110	68 - 130	9	50
Chlorobenzene			0.0500	0.0511		mg/Kg		102	70 - 130	10	50
Chloroethane			0.0500	0.0509		mg/Kg		102	36 - 150	14	50
Chloroform			0.0500	0.0533		mg/Kg		107	70 - 130	11	50
Chloromethane			0.0500	0.0523		mg/Kg		105	62 - 135	9	50
Dibromochloromethane			0.0500	0.0540		mg/Kg		108	70 - 130	10	50
1,1-Dichloroethane			0.0500	0.0528		mg/Kg		106	70 - 130	11	50
1,2-Dichloroethane			0.0500	0.0507		mg/Kg		101	66 - 130	9	50
1,1-Dichloroethene			0.0500	0.0529		mg/Kg		106	69 - 130	12	50
1,2-Dichloropropane			0.0500	0.0496		mg/Kg		99	70 - 130	3	50
Ethylbenzene			0.0500	0.0507		mg/Kg		101	70 - 130	11	50
Methylene Chloride			0.0500	0.0508		mg/Kg		102	52 - 135	10	50
Methyl tert-butyl ether			0.100	0.106		mg/Kg		106	70 - 130	11	50
1,1,2,2-Tetrachloroethane			0.0500	0.0502		mg/Kg		100	70 - 130	7	50
Tetrachloroethene			0.0500	0.0519		mg/Kg		104	70 - 130	10	50
Toluene			0.0500	0.0512		mg/Kg		102	70 - 130	7	50
trans-1,2-Dichloroethene			0.0500	0.0524		mg/Kg		105	70 - 130	15	50
1,1,1-Trichloroethane			0.0500	0.0534		mg/Kg		107	69 - 130	9	50
1,1,2-Trichloroethane			0.0500	0.0542		mg/Kg		108	70 - 130	7	50
Trichloroethene			0.0500	0.0523		mg/Kg		105	70 - 130	8	50
Vinyl chloride			0.0500	0.0537		mg/Kg		107	65 - 135	14	50
1,3-Dichloropropene, Total			0.100	0.106		mg/Kg		106	70 - 130	7	50
Xylenes, Total			0.150	0.151		mg/Kg		101	70 - 130	9	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*101*		*65 - 130*
Dibromofluoromethane	*107*		*65 - 130*
Toluene-d8 (Surr)	*103*		*65 - 130*

Lab Sample ID: MB 680-234656/8
Matrix: Water
Analysis Batch: 234656

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acrolein	0.0074	U	0.020	0.0074	mg/L			04/18/12 12:46	1
Acrylonitrile	0.0072	U	0.020	0.0072	mg/L			04/18/12 12:46	1

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-234656/8
Matrix: Water
Analysis Batch: 234656

Client Sample ID: Method Blank
Prep Type: Total/NA

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Benzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 12:46	1
Bromodichloromethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 12:46	1
Bromoform	0.00050	U	0.0010	0.00050	mg/L			04/18/12 12:46	1
Bromomethane	0.00080	U	0.0010	0.00080	mg/L			04/18/12 12:46	1
Carbon tetrachloride	0.00050	U	0.0010	0.00050	mg/L			04/18/12 12:46	1
Chlorobenzene	0.00025	U	0.0010	0.00025	mg/L			04/18/12 12:46	1
Chloroethane	0.0010	U	0.0010	0.0010	mg/L			04/18/12 12:46	1
2-Chloroethyl vinyl ether	0.00050	U	0.010	0.00026	mg/L			04/18/12 12:46	1
Chloroform	0.00025	U	0.0010	0.00014	mg/L			04/18/12 12:46	1
Chloromethane	0.00033	U	0.0010	0.00033	mg/L			04/18/12 12:46	1
Dibromochloromethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 12:46	1
1,2-Dibromoethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 12:46	1
1,1-Dichloroethane	0.00025	U	0.0010	0.00025	mg/L			04/18/12 12:46	1
1,2-Dichloroethane	0.00025	U	0.0010	0.00010	mg/L			04/18/12 12:46	1
1,1-Dichloroethene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 12:46	1
1,2-Dichloropropane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 12:46	1
Ethylbenzene	0.00025	U	0.0010	0.00011	mg/L			04/18/12 12:46	1
Methylene Chloride	0.0010	U	0.0050	0.0010	mg/L			04/18/12 12:46	1
Methyl tert-butyl ether	0.00050	U	0.010	0.00020	mg/L			04/18/12 12:46	1
1,1,2,2-Tetrachloroethane	0.00025	U	0.0010	0.00018	mg/L			04/18/12 12:46	1
Tetrachloroethene	0.00025	U	0.0010	0.00015	mg/L			04/18/12 12:46	1
Toluene	0.00033	U	0.0010	0.00033	mg/L			04/18/12 12:46	1
trans-1,2-Dichloroethene	0.00025	U	0.0010	0.00020	mg/L			04/18/12 12:46	1
1,1,1-Trichloroethane	0.00050	U	0.0010	0.00050	mg/L			04/18/12 12:46	1
1,1,2-Trichloroethane	0.00025	U	0.0010	0.00013	mg/L			04/18/12 12:46	1
Trichloroethene	0.00025	U	0.0010	0.00013	mg/L			04/18/12 12:46	1
Vinyl chloride	0.00050	U	0.0010	0.00018	mg/L			04/18/12 12:46	1
1,3-Dichloropropene, Total	0.00050	U	0.0020	0.00011	mg/L			04/18/12 12:46	1
Xylenes, Total	0.00075	U	0.0020	0.00020	mg/L			04/18/12 12:46	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Carbon Dioxide	*0.434*	*N*	*mg/L*		*1.00*	*124-38-9*		*04/18/12 12:46*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
4-Bromofluorobenzene	*102*		*70 - 130*		*04/18/12 12:46*	*1*
Dibromofluoromethane	*100*		*70 - 130*		*04/18/12 12:46*	*1*
Toluene-d8 (Surr)	*99*		*70 - 130*		*04/18/12 12:46*	*1*

Lab Sample ID: LCS 680-234656/5
Matrix: Water
Analysis Batch: 234656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Benzene	0.0500	0.0533		mg/L		107	70 - 130
Bromodichloromethane	0.0500	0.0558		mg/L		112	70 - 130
Bromoform	0.0500	0.0513		mg/L		103	70 - 130
Bromomethane	0.0500	0.0212		mg/L		42	23 - 165
Carbon tetrachloride	0.0500	0.0607		mg/L		121	70 - 130
Chlorobenzene	0.0500	0.0513		mg/L		103	70 - 130

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-234656/5
Matrix: Water
Analysis Batch: 234656

Client Sample ID: Lab Control Sample
Prep Type: Total/NA

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Chloroethane	0.0500	0.0243	Q	mg/L		49	56 - 152
2-Chloroethyl vinyl ether	0.100	0.103		mg/L		103	70 - 130
Chloroform	0.0500	0.0510		mg/L		102	70 - 130
Chloromethane	0.0500	0.0524		mg/L		105	70 - 130
Dibromochloromethane	0.0500	0.0473		mg/L		95	70 - 130
1,2-Dibromoethane	0.0500	0.0487		mg/L		97	70 - 130
1,1-Dichloroethane	0.0500	0.0505		mg/L		101	70 - 130
1,2-Dichloroethane	0.0500	0.0514		mg/L		103	70 - 130
1,1-Dichloroethene	0.0500	0.0555		mg/L		111	66 - 131
1,2-Dichloropropane	0.0500	0.0525		mg/L		105	70 - 130
Ethylbenzene	0.0500	0.0534		mg/L		107	70 - 130
Methylene Chloride	0.0500	0.0519		mg/L		104	67 - 130
Methyl tert-butyl ether	0.100	0.100		mg/L		100	64 - 131
1,1,2,2-Tetrachloroethane	0.0500	0.0538		mg/L		108	70 - 130
Tetrachloroethene	0.0500	0.0516		mg/L		103	70 - 130
Toluene	0.0500	0.0518		mg/L		104	70 - 130
trans-1,2-Dichloroethene	0.0500	0.0514		mg/L		103	70 - 130
1,1,1-Trichloroethane	0.0500	0.0544		mg/L		109	70 - 130
1,1,2-Trichloroethane	0.0500	0.0512		mg/L		102	70 - 130
Trichloroethene	0.0500	0.0523		mg/L		105	70 - 130
Vinyl chloride	0.0500	0.0431		mg/L		86	67 - 134
1,3-Dichloropropene, Total	0.100	0.106		mg/L		106	70 - 130
Xylenes, Total	0.150	0.159		mg/L		106	70 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
4-Bromofluorobenzene	*104*		*70 - 130*
Dibromofluoromethane	*102*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Lab Sample ID: LCSD 680-234656/6
Matrix: Water
Analysis Batch: 234656

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Benzene	0.0500	0.0527		mg/L		105	70 - 130	1	30
Bromodichloromethane	0.0500	0.0549		mg/L		110	70 - 130	2	30
Bromoform	0.0500	0.0501		mg/L		100	70 - 130	2	30
Bromomethane	0.0500	0.0258		mg/L		52	23 - 165	20	50
Carbon tetrachloride	0.0500	0.0594		mg/L		119	70 - 130	2	30
Chlorobenzene	0.0500	0.0506		mg/L		101	70 - 130	1	30
Chloroethane	0.0500	0.0275	Q	mg/L		55	56 - 152	12	40
2-Chloroethyl vinyl ether	0.100	0.102		mg/L		102	70 - 130	1	50
Chloroform	0.0500	0.0510		mg/L		102	70 - 130	0	30
Chloromethane	0.0500	0.0555		mg/L		111	70 - 130	6	30
Dibromochloromethane	0.0500	0.0476		mg/L		95	70 - 130	1	50
1,2-Dibromoethane	0.0500	0.0486		mg/L		97	70 - 130	0	30
1,1-Dichloroethane	0.0500	0.0513		mg/L		103	70 - 130	2	30
1,2-Dichloroethane	0.0500	0.0514		mg/L		103	70 - 130	0	30
1,1-Dichloroethene	0.0500	0.0563		mg/L		113	66 - 131	1	30

Method: 8260B - Volatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-234656/6
Matrix: Water
Analysis Batch: 234656

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
1,2-Dichloropropane	0.0500	0.0526		mg/L		105	70 - 130	0	30
Ethylbenzene	0.0500	0.0522		mg/L		104	70 - 130	2	30
Methylene Chloride	0.0500	0.0530		mg/L		106	67 - 130	2	30
Methyl tert-butyl ether	0.100	0.0995		mg/L		99	64 - 131	1	30
1,1,2,2-Tetrachloroethane	0.0500	0.0533		mg/L		107	70 - 130	1	30
Tetrachloroethene	0.0500	0.0508		mg/L		102	70 - 130	2	30
Toluene	0.0500	0.0511		mg/L		102	70 - 130	1	30
trans-1,2-Dichloroethene	0.0500	0.0529		mg/L		106	70 - 130	3	30
1,1,1-Trichloroethane	0.0500	0.0531		mg/L		106	70 - 130	2	30
1,1,2-Trichloroethane	0.0500	0.0510		mg/L		102	70 - 130	0	30
Trichloroethene	0.0500	0.0533		mg/L		107	70 - 130	2	30
Vinyl chloride	0.0500	0.0397		mg/L		79	67 - 134	8	30
1,3-Dichloropropene, Total	0.100	0.106		mg/L		106	70 - 130	0	50
Xylenes, Total	0.150	0.159		mg/L		106	70 - 130	0	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
4-Bromofluorobenzene	*103*		*70 - 130*
Dibromofluoromethane	*103*		*70 - 130*
Toluene-d8 (Surr)	*105*		*70 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS)

Lab Sample ID: MB 680-234475/4-A
Matrix: Water
Analysis Batch: 235280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 234475

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.0010	U	0.010	0.00076	mg/L		04/17/12 15:04	04/24/12 15:47	1
Acenaphthylene	0.0010	U	0.010	0.00085	mg/L		04/17/12 15:04	04/24/12 15:47	1
Anthracene	0.0010	U	0.010	0.00069	mg/L		04/17/12 15:04	04/24/12 15:47	1
Benzidine	0.031	U	0.080	0.031	mg/L		04/17/12 15:04	04/24/12 15:47	1
Benzo[a]anthracene	0.0010	U	0.010	0.00055	mg/L		04/17/12 15:04	04/24/12 15:47	1
Benzo[a]pyrene	0.0010	U	0.010	0.00071	mg/L		04/17/12 15:04	04/24/12 15:47	1
Benzo[b]fluoranthene	0.0026	U	0.010	0.0026	mg/L		04/17/12 15:04	04/24/12 15:47	1
Benzo[g,h,i]perylene	0.0010	U	0.010	0.00087	mg/L		04/17/12 15:04	04/24/12 15:47	1
Benzo[k]fluoranthene	0.0012	U	0.010	0.0012	mg/L		04/17/12 15:04	04/24/12 15:47	1
Bis(2-chloroethoxy)methane	0.0010	U	0.010	0.00094	mg/L		04/17/12 15:04	04/24/12 15:47	1
Bis(2-chloroethyl)ether	0.0011	U	0.010	0.0011	mg/L		04/17/12 15:04	04/24/12 15:47	1
bis (2-chloroisopropyl) ether	0.0010	U	0.010	0.00078	mg/L		04/17/12 15:04	04/24/12 15:47	1
Bis(2-ethylhexyl) phthalate	0.0016	U	0.010	0.0016	mg/L		04/17/12 15:04	04/24/12 15:47	1
4-Bromophenyl phenyl ether	0.0010	U	0.010	0.00077	mg/L		04/17/12 15:04	04/24/12 15:47	1
Butyl benzyl phthalate	0.0012	U	0.010	0.0012	mg/L		04/17/12 15:04	04/24/12 15:47	1
4-Chloro-3-methylphenol	0.0010	U	0.010	0.0010	mg/L		04/17/12 15:04	04/24/12 15:47	1
2-Chloronaphthalene	0.0010	U	0.010	0.00080	mg/L		04/17/12 15:04	04/24/12 15:47	1
2-Chlorophenol	0.0010	U	0.010	0.00087	mg/L		04/17/12 15:04	04/24/12 15:47	1
4-Chlorophenyl phenyl ether	0.0010	U	0.010	0.00084	mg/L		04/17/12 15:04	04/24/12 15:47	1
Chrysene	0.0010	U	0.010	0.00051	mg/L		04/17/12 15:04	04/24/12 15:47	1
Dibenz(a,h)anthracene	0.0010	U	0.010	0.0010	mg/L		04/17/12 15:04	04/24/12 15:47	1
1,2-Dichlorobenzene	0.0010	U	0.010	0.00053	mg/L		04/17/12 15:04	04/24/12 15:47	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-234475/4-A
Matrix: Water
Analysis Batch: 235280

Client Sample ID: Method Blank
Prep Type: Total/NA
Prep Batch: 234475

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
1,3-Dichlorobenzene	0.0010	U	0.010	0.00059	mg/L		04/17/12 15:04	04/24/12 15:47	1
1,4-Dichlorobenzene	0.0010	U	0.010	0.00054	mg/L		04/17/12 15:04	04/24/12 15:47	1
3,3'-Dichlorobenzidine	0.030	U	0.060	0.030	mg/L		04/17/12 15:04	04/24/12 15:47	1
2,4-Dichlorophenol	0.0011	U	0.010	0.0011	mg/L		04/17/12 15:04	04/24/12 15:47	1
Diethyl phthalate	0.0010	U	0.010	0.00088	mg/L		04/17/12 15:04	04/24/12 15:47	1
2,4-Dimethylphenol	0.0040	U	0.010	0.0040	mg/L		04/17/12 15:04	04/24/12 15:47	1
Dimethyl phthalate	0.0010	U	0.010	0.00099	mg/L		04/17/12 15:04	04/24/12 15:47	1
Di-n-butyl phthalate	0.0010	U	0.010	0.00083	mg/L		04/17/12 15:04	04/24/12 15:47	1
4,6-Dinitro-2-methylphenol	0.010	U	0.050	0.010	mg/L		04/17/12 15:04	04/24/12 15:47	1
2,4-Dinitrophenol	0.010	U	0.050	0.010	mg/L		04/17/12 15:04	04/24/12 15:47	1
2,4-Dinitrotoluene	0.0012	U	0.010	0.0012	mg/L		04/17/12 15:04	04/24/12 15:47	1
2,6-Dinitrotoluene	0.0011	U	0.010	0.0011	mg/L		04/17/12 15:04	04/24/12 15:47	1
Di-n-octyl phthalate	0.0014	U	0.010	0.0014	mg/L		04/17/12 15:04	04/24/12 15:47	1
1,2-Diphenylhydrazine	0.0010	U	0.010	0.00084	mg/L		04/17/12 15:04	04/24/12 15:47	1
Fluoranthene	0.0010	U	0.010	0.00074	mg/L		04/17/12 15:04	04/24/12 15:47	1
Fluorene	0.0010	U	0.010	0.00096	mg/L		04/17/12 15:04	04/24/12 15:47	1
Hexachlorobenzene	0.0010	U	0.010	0.00079	mg/L		04/17/12 15:04	04/24/12 15:47	1
Hexachlorobutadiene	0.0010	U	0.010	0.00062	mg/L		04/17/12 15:04	04/24/12 15:47	1
Hexachlorocyclopentadiene	0.0025	U	0.010	0.0025	mg/L		04/17/12 15:04	04/24/12 15:47	1
Hexachloroethane	0.0010	U	0.010	0.00076	mg/L		04/17/12 15:04	04/24/12 15:47	1
Indeno[1,2,3-cd]pyrene	0.0010	U	0.010	0.0010	mg/L		04/17/12 15:04	04/24/12 15:47	1
Isophorone	0.0010	U	0.010	0.00090	mg/L		04/17/12 15:04	04/24/12 15:47	1
Naphthalene	0.0010	U	0.010	0.00070	mg/L		04/17/12 15:04	04/24/12 15:47	1
Nitrobenzene	0.0010	U	0.010	0.00073	mg/L		04/17/12 15:04	04/24/12 15:47	1
2-Nitrophenol	0.0010	U	0.010	0.00076	mg/L		04/17/12 15:04	04/24/12 15:47	1
4-Nitrophenol	0.0050	U	0.050	0.0019	mg/L		04/17/12 15:04	04/24/12 15:47	1
N-Nitrosodimethylamine	0.0050	U	0.010	0.0028	mg/L		04/17/12 15:04	04/24/12 15:47	1
N-Nitrosodi-n-propylamine	0.0010	U	0.010	0.00072	mg/L		04/17/12 15:04	04/24/12 15:47	1
N-Nitrosodiphenylamine	0.0010	U	0.010	0.00092	mg/L		04/17/12 15:04	04/24/12 15:47	1
Pentachlorophenol	0.0020	U	0.050	0.0020	mg/L		04/17/12 15:04	04/24/12 15:47	1
Phenanthrene	0.0010	U	0.010	0.00077	mg/L		04/17/12 15:04	04/24/12 15:47	1
Phenol	0.0010	U	0.010	0.00083	mg/L		04/17/12 15:04	04/24/12 15:47	1
Pyrene	0.0010	U	0.010	0.00063	mg/L		04/17/12 15:04	04/24/12 15:47	1
1,2,4-Trichlorobenzene	0.0010	U	0.010	0.00056	mg/L		04/17/12 15:04	04/24/12 15:47	1
2-Methylnaphthalene	0.0010	U	0.010	0.00078	mg/L		04/17/12 15:04	04/24/12 15:47	1
1-Methylnaphthalene	0.0010	U	0.010	0.00067	mg/L		04/17/12 15:04	04/24/12 15:47	1
2,4,6-Trichlorophenol	0.0010	U	0.010	0.00085	mg/L		04/17/12 15:04	04/24/12 15:47	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Aldol Condensate	*0.0145*	*N*	*mg/L*		*4.29*		*04/17/12 15:04*	*04/24/12 15:47*	*1*
1-Propene, 1,2,3-trichloro-	*0.00503*	*N*	*mg/L*		*5.45*	*96-19-5*	*04/17/12 15:04*	*04/24/12 15:47*	*1*
Phosphine oxide, triphenyl-	*0.0446*	*N*	*mg/L*		*13.79*	*791-28-6*	*04/17/12 15:04*	*04/24/12 15:47*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*38 - 130*	*04/17/12 15:04*	*04/24/12 15:47*	*1*
2-Fluorophenol	*62*		*25 - 130*	*04/17/12 15:04*	*04/24/12 15:47*	*1*
Nitrobenzene-d5	*71*		*39 - 130*	*04/17/12 15:04*	*04/24/12 15:47*	*1*
Phenol-d5	*61*		*25 - 130*	*04/17/12 15:04*	*04/24/12 15:47*	*1*
Terphenyl-d14	*86*		*10 - 143*	*04/17/12 15:04*	*04/24/12 15:47*	*1*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-234475/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 235280 — **Prep Batch: 234475**

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
2,4,6-Tribromophenol	98		31 - 141	04/17/12 15:04	04/24/12 15:47	1

Lab Sample ID: LCS 680-234475/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 235280 — **Prep Batch: 234475**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.100	0.0770		mg/L		77	55 - 130
Acenaphthylene	0.100	0.0791		mg/L		79	60 - 130
Anthracene	0.100	0.0782		mg/L		78	61 - 130
Benzidine	0.100	0.0555	J	mg/L		56	10 - 130
Benzo[a]anthracene	0.100	0.0895		mg/L		90	58 - 130
Benzo[a]pyrene	0.100	0.0996		mg/L		100	61 - 130
Benzo[b]fluoranthene	0.100	0.0903		mg/L		90	51 - 130
Benzo[g,h,i]perylene	0.100	0.0998		mg/L		100	54 - 130
Benzo[k]fluoranthene	0.100	0.0854		mg/L		85	53 - 130
Bis(2-chloroethoxy)methane	0.100	0.0796		mg/L		80	64 - 130
Bis(2-chloroethyl)ether	0.100	0.0681		mg/L		68	56 - 130
bis (2-chloroisopropyl) ether	0.100	0.0638		mg/L		64	55 - 130
Bis(2-ethylhexyl) phthalate	0.100	0.0948		mg/L		95	62 - 130
4-Bromophenyl phenyl ether	0.100	0.0939		mg/L		94	61 - 130
Butyl benzyl phthalate	0.100	0.107		mg/L		107	66 - 130
4-Chloro-3-methylphenol	0.100	0.0792		mg/L		79	60 - 130
2-Chloronaphthalene	0.100	0.0730		mg/L		73	53 - 130
2-Chlorophenol	0.100	0.0771		mg/L		77	57 - 130
4-Chlorophenyl phenyl ether	0.100	0.0842		mg/L		84	57 - 130
Chrysene	0.100	0.0944		mg/L		94	59 - 130
Dibenz(a,h)anthracene	0.100	0.0960		mg/L		96	55 - 130
1,2-Dichlorobenzene	0.100	0.0657		mg/L		66	43 - 130
1,3-Dichlorobenzene	0.100	0.0634		mg/L		63	41 - 130
1,4-Dichlorobenzene	0.100	0.0638		mg/L		64	43 - 130
3,3'-Dichlorobenzidine	0.100	0.0830		mg/L		83	27 - 130
2,4-Dichlorophenol	0.100	0.0813		mg/L		81	54 - 130
Diethyl phthalate	0.100	0.0900		mg/L		90	70 - 130
2,4-Dimethylphenol	0.100	0.0659		mg/L		66	40 - 130
Dimethyl phthalate	0.100	0.0885		mg/L		88	69 - 130
Di-n-butyl phthalate	0.100	0.0865		mg/L		86	66 - 130
4,6-Dinitro-2-methylphenol	0.100	0.0908		mg/L		91	45 - 134
2,4-Dinitrophenol	0.100	0.100		mg/L		100	20 - 165
2,4-Dinitrotoluene	0.100	0.0927		mg/L		93	63 - 130
2,6-Dinitrotoluene	0.100	0.0920		mg/L		92	65 - 130
Di-n-octyl phthalate	0.100	0.0976		mg/L		98	64 - 130
1,2-Diphenylhydrazine	0.100	0.0643		mg/L		64	63 - 130
Fluoranthene	0.100	0.0837		mg/L		84	56 - 130
Fluorene	0.100	0.0791		mg/L		79	61 - 130
Hexachlorobenzene	0.100	0.0898		mg/L		90	52 - 130
Hexachlorobutadiene	0.100	0.0733		mg/L		73	36 - 130
Hexachlorocyclopentadiene	0.100	0.0352		mg/L		35	10 - 130
Hexachloroethane	0.100	0.0586		mg/L		59	39 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-234475/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 235280 — **Prep Batch: 234475**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Indeno[1,2,3-cd]pyrene	0.100	0.122		mg/L		122	47 - 130
Isophorone	0.100	0.0675		mg/L		67	59 - 130
Naphthalene	0.100	0.0699		mg/L		70	50 - 130
Nitrobenzene	0.100	0.0689		mg/L		69	56 - 130
2-Nitrophenol	0.100	0.0884		mg/L		88	54 - 130
4-Nitrophenol	0.100	0.0706		mg/L		71	38 - 130
N-Nitrosodimethylamine	0.100	0.0690		mg/L		69	54 - 130
N-Nitrosodi-n-propylamine	0.100	0.0695		mg/L		70	64 - 130
N-Nitrosodiphenylamine	0.100	0.0852		mg/L		85	68 - 130
Pentachlorophenol	0.100	0.0925		mg/L		92	42 - 138
Phenanthrene	0.100	0.0831		mg/L		83	62 - 130
Phenol	0.100	0.0640		mg/L		64	29 - 130
Pyrene	0.100	0.0935		mg/L		94	60 - 130
1,2,4-Trichlorobenzene	0.100	0.0694		mg/L		69	42 - 130
2-Methylnaphthalene	0.100	0.0721		mg/L		72	52 - 130
1-Methylnaphthalene	0.100	0.0733		mg/L		73	50 - 130
2,4,6-Trichlorophenol	0.100	0.0822		mg/L		82	57 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*72*		*38 - 130*
2-Fluorophenol	*68*		*25 - 130*
Nitrobenzene-d5	*69*		*39 - 130*
Phenol-d5	*64*		*25 - 130*
Terphenyl-d14	*91*		*10 - 143*
2,4,6-Tribromophenol	*103*		*31 - 141*

Lab Sample ID: LCSD 680-234475/6-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 235280 — **Prep Batch: 234475**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.100	0.0805		mg/L		81	55 - 130	4	50
Acenaphthylene	0.100	0.0826		mg/L		83	60 - 130	4	50
Anthracene	0.100	0.0813		mg/L		81	61 - 130	4	50
Benzidine	0.100	0.0446	J	mg/L		45	10 - 130	22	50
Benzo[a]anthracene	0.100	0.0916		mg/L		92	58 - 130	2	50
Benzo[a]pyrene	0.100	0.101		mg/L		101	61 - 130	1	50
Benzo[b]fluoranthene	0.100	0.0889		mg/L		89	51 - 130	2	50
Benzo[g,h,i]perylene	0.100	0.0975		mg/L		97	54 - 130	2	50
Benzo[k]fluoranthene	0.100	0.0919		mg/L		92	53 - 130	7	50
Bis(2-chloroethoxy)methane	0.100	0.0826		mg/L		83	64 - 130	4	50
Bis(2-chloroethyl)ether	0.100	0.0697		mg/L		70	56 - 130	2	50
bis (2-chloroisopropyl) ether	0.100	0.0659		mg/L		66	55 - 130	3	50
Bis(2-ethylhexyl) phthalate	0.100	0.0965		mg/L		96	62 - 130	2	50
4-Bromophenyl phenyl ether	0.100	0.0974		mg/L		97	61 - 130	4	50
Butyl benzyl phthalate	0.100	0.108		mg/L		108	66 - 130	1	50
4-Chloro-3-methylphenol	0.100	0.0825		mg/L		83	60 - 130	4	50
2-Chloronaphthalene	0.100	0.0766		mg/L		77	53 - 130	5	50
2-Chlorophenol	0.100	0.0789		mg/L		79	57 - 130	2	50

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCSD 680-234475/6-A
Matrix: Water
Analysis Batch: 235280

Client Sample ID: Lab Control Sample Dup
Prep Type: Total/NA
Prep Batch: 234475

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
4-Chlorophenyl phenyl ether	0.100	0.0872		mg/L		87	57 - 130	3	50
Chrysene	0.100	0.0933		mg/L		93	59 - 130	1	50
Dibenz(a,h)anthracene	0.100	0.0956		mg/L		96	55 - 130	0	50
1,2-Dichlorobenzene	0.100	0.0677		mg/L		68	43 - 130	3	50
1,3-Dichlorobenzene	0.100	0.0649		mg/L		65	41 - 130	2	50
1,4-Dichlorobenzene	0.100	0.0658		mg/L		66	43 - 130	3	50
3,3'-Dichlorobenzidine	0.100	0.0789		mg/L		79	27 - 130	5	50
2,4-Dichlorophenol	0.100	0.0836		mg/L		84	54 - 130	3	50
Diethyl phthalate	0.100	0.0915		mg/L		92	70 - 130	2	50
2,4-Dimethylphenol	0.100	0.0694		mg/L		69	40 - 130	5	50
Dimethyl phthalate	0.100	0.0917		mg/L		92	69 - 130	4	50
Di-n-butyl phthalate	0.100	0.0887		mg/L		89	66 - 130	3	50
4,6-Dinitro-2-methylphenol	0.100	0.0913		mg/L		91	45 - 134	1	50
2,4-Dinitrophenol	0.100	0.0997		mg/L		100	20 - 165	0	50
2,4-Dinitrotoluene	0.100	0.0933		mg/L		93	63 - 130	1	50
2,6-Dinitrotoluene	0.100	0.0942		mg/L		94	65 - 130	2	50
Di-n-octyl phthalate	0.100	0.0980		mg/L		98	64 - 130	0	50
1,2-Diphenylhydrazine	0.100	0.0674		mg/L		67	63 - 130	5	50
Fluoranthene	0.100	0.0859		mg/L		86	56 - 130	3	50
Fluorene	0.100	0.0822		mg/L		82	61 - 130	4	50
Hexachlorobenzene	0.100	0.0913		mg/L		91	52 - 130	2	50
Hexachlorobutadiene	0.100	0.0757		mg/L		76	36 - 130	3	50
Hexachlorocyclopentadiene	0.100	0.0400		mg/L		40	10 - 130	13	50
Hexachloroethane	0.100	0.0600		mg/L		60	39 - 130	2	50
Indeno[1,2,3-cd]pyrene	0.100	0.117		mg/L		117	47 - 130	4	50
Isophorone	0.100	0.0707		mg/L		71	59 - 130	5	50
Naphthalene	0.100	0.0726		mg/L		73	50 - 130	4	50
Nitrobenzene	0.100	0.0711		mg/L		71	56 - 130	3	50
2-Nitrophenol	0.100	0.0916		mg/L		92	54 - 130	4	50
4-Nitrophenol	0.100	0.0755		mg/L		76	38 - 130	7	50
N-Nitrosodimethylamine	0.100	0.0694		mg/L		69	54 - 130	1	50
N-Nitrosodi-n-propylamine	0.100	0.0714		mg/L		71	64 - 130	3	50
N-Nitrosodiphenylamine	0.100	0.0894		mg/L		89	68 - 130	5	50
Pentachlorophenol	0.100	0.0939		mg/L		94	42 - 138	1	50
Phenanthrene	0.100	0.0862		mg/L		86	62 - 130	4	50
Phenol	0.100	0.0686		mg/L		69	29 - 130	7	50
Pyrene	0.100	0.0956		mg/L		96	60 - 130	2	50
1,2,4-Trichlorobenzene	0.100	0.0725		mg/L		72	42 - 130	4	50
2-Methylnaphthalene	0.100	0.0744		mg/L		74	52 - 130	3	50
1-Methylnaphthalene	0.100	0.0762		mg/L		76	50 - 130	4	50
2,4,6-Trichlorophenol	0.100	0.0873		mg/L		87	57 - 130	6	50

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
2-Fluorobiphenyl	*78*		*38 - 130*
2-Fluorophenol	*73*		*25 - 130*
Nitrobenzene-d5	*74*		*39 - 130*
Phenol-d5	*71*		*25 - 130*
Terphenyl-d14	*94*		*10 - 143*
2,4,6-Tribromophenol	*107*		*31 - 141*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-78497-2 MS
Matrix: Water
Analysis Batch: 235280

Client Sample ID: MW-2
Prep Type: Total/NA
Prep Batch: 234475

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.0010	U	0.0995	0.0649		mg/L		65	55 - 130
Acenaphthylene	0.0010	U	0.0995	0.0615		mg/L		62	60 - 130
Anthracene	0.0010	U	0.0995	0.0660		mg/L		66	61 - 130
Benzidine	0.031	U J	0.0995	0.031	U J	mg/L		0	10 - 130
Benzo[a]anthracene	0.0010	U	0.0995	0.0714		mg/L		72	58 - 130
Benzo[a]pyrene	0.0010	U	0.0995	0.0785		mg/L		79	61 - 130
Benzo[b]fluoranthene	0.0026	U	0.0995	0.0752		mg/L		76	51 - 130
Benzo[g,h,i]perylene	0.0010	U	0.0995	0.0758		mg/L		76	54 - 130
Benzo[k]fluoranthene	0.0012	U	0.0995	0.0702		mg/L		71	53 - 130
Bis(2-chloroethoxy)methane	0.0010	U	0.0995	0.0647		mg/L		65	64 - 130
Bis(2-chloroethyl)ether	0.0011	U J	0.0995	0.0537	J	mg/L		54	56 - 130
bis (2-chloroisopropyl) ether	0.0010	U J	0.0995	0.0496	J	mg/L		50	55 - 130
Bis(2-ethylhexyl) phthalate	0.0016	U	0.0995	0.0752		mg/L		76	62 - 130
4-Bromophenyl phenyl ether	0.0010	U	0.0995	0.0772		mg/L		78	61 - 130
Butyl benzyl phthalate	0.0012	U	0.0995	0.0822		mg/L		83	66 - 130
4-Chloro-3-methylphenol	0.0010	U	0.0995	0.0624		mg/L		63	60 - 130
2-Chloronaphthalene	0.0010	U	0.0995	0.0613		mg/L		62	53 - 130
2-Chlorophenol	0.0010	U	0.0995	0.0578		mg/L		58	57 - 130
4-Chlorophenyl phenyl ether	0.0010	U	0.0995	0.0711		mg/L		71	57 - 130
Chrysene	0.0010	U	0.0995	0.0733		mg/L		74	59 - 130
Dibenz(a,h)anthracene	0.0010	U	0.0995	0.0752		mg/L		76	55 - 130
1,2-Dichlorobenzene	0.0010	U	0.0995	0.0506		mg/L		51	43 - 130
1,3-Dichlorobenzene	0.0010	U	0.0995	0.0485		mg/L		49	41 - 130
1,4-Dichlorobenzene	0.0010	U	0.0995	0.0494		mg/L		50	43 - 130
3,3'-Dichlorobenzidine	0.030	U	0.0995	0.0346	J	mg/L		35	27 - 130
2,4-Dichlorophenol	0.0011	U	0.0995	0.0630		mg/L		63	54 - 130
Diethyl phthalate	0.0010	U J	0.0995	0.0687	J	mg/L		69	70 - 130
2,4-Dimethylphenol	0.0040	U	0.0995	0.0649		mg/L		65	40 - 130
Dimethyl phthalate	0.0010	U	0.0995	0.0693		mg/L		70	69 - 130
Di-n-butyl phthalate	0.0010	U	0.0995	0.0699		mg/L		70	66 - 130
4,6-Dinitro-2-methylphenol	0.010	U	0.0995	0.0691		mg/L		69	45 - 134
2,4-Dinitrophenol	0.010	U	0.0995	0.0751		mg/L		75	20 - 165
2,4-Dinitrotoluene	0.0012	U	0.0995	0.0733		mg/L		74	63 - 130
2,6-Dinitrotoluene	0.0011	U	0.0995	0.0748		mg/L		75	65 - 130
Di-n-octyl phthalate	0.0014	U	0.0995	0.0733		mg/L		74	64 - 130
1,2-Diphenylhydrazine	0.0010	U J	0.0995	0.0498	J	mg/L		50	63 - 130
Fluoranthene	0.0010	U	0.0995	0.0674		mg/L		68	56 - 130
Fluorene	0.0010	U	0.0995	0.0672		mg/L		68	61 - 130
Hexachlorobenzene	0.0010	U	0.0995	0.0714		mg/L		72	52 - 130
Hexachlorobutadiene	0.0010	U	0.0995	0.0582		mg/L		58	36 - 130
Hexachlorocyclopentadiene	0.0025	U	0.0995	0.0267		mg/L		27	10 - 130
Hexachloroethane	0.0010	U	0.0995	0.0429		mg/L		43	39 - 130
Indeno[1,2,3-cd]pyrene	0.0010	U	0.0995	0.0903		mg/L		91	47 - 130
Isophorone	0.0010	U J	0.0995	0.0553	J	mg/L		56	59 - 130
Naphthalene	0.0010	U	0.0995	0.0567		mg/L		57	50 - 130
Nitrobenzene	0.0010	U	0.0995	0.0553		mg/L		56	56 - 130
2-Nitrophenol	0.0010	U	0.0995	0.0684		mg/L		69	54 - 130
4-Nitrophenol	0.0050	U	0.0995	0.0551		mg/L		55	38 - 130
N-Nitrosodimethylamine	0.0050	U J	0.0995	0.0511	J	mg/L		51	54 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-78497-2 MS
Matrix: Water
Analysis Batch: 235280

Client Sample ID: MW-2
Prep Type: Total/NA
Prep Batch: 234475

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodi-n-propylamine	0.0010	U J	0.0995	0.0552	J	mg/L		55	64 - 130
N-Nitrosodiphenylamine	0.0010	U	0.0995	0.0752		mg/L		76	68 - 130
Pentachlorophenol	0.0020	U	0.0995	0.0730		mg/L		73	42 - 138
Phenanthrene	0.0010	U	0.0995	0.0699		mg/L		70	62 - 130
Phenol	0.0010	U	0.0995	0.0481		mg/L		48	29 - 130
Pyrene	0.0010	U	0.0995	0.0749		mg/L		75	60 - 130
1,2,4-Trichlorobenzene	0.0010	U	0.0995	0.0560		mg/L		56	42 - 130
2-Methylnaphthalene	0.0010	U	0.0995	0.0586		mg/L		59	52 - 130
1-Methylnaphthalene	0.0010	U	0.0995	0.0607		mg/L		61	50 - 130
2,4,6-Trichlorophenol	0.0010	U	0.0995	0.0625		mg/L		63	57 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*63*		*38 - 130*
2-Fluorophenol	*52*		*25 - 130*
Nitrobenzene-d5	*59*		*39 - 130*
Phenol-d5	*51*		*25 - 130*
Terphenyl-d14	*32*		*10 - 143*
2,4,6-Tribromophenol	*82*		*31 - 141*

Lab Sample ID: 680-78497-2 MSD
Matrix: Water
Analysis Batch: 235280

Client Sample ID: MW-2
Prep Type: Total/NA
Prep Batch: 234475

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.0010	U	0.0864	0.0604		mg/L		70	55 - 130	7	50
Acenaphthylene	0.0010	U	0.0864	0.0572		mg/L		66	60 - 130	7	50
Anthracene	0.0010	U	0.0864	0.0591		mg/L		68	61 - 130	11	50
Benzidine	0.031	U J	0.0864	0.027	U J	mg/L		0	10 - 130	NC	50
Benzo[a]anthracene	0.0010	U	0.0864	0.0575		mg/L		67	58 - 130	22	50
Benzo[a]pyrene	0.0010	U	0.0864	0.0617		mg/L		71	61 - 130	24	50
Benzo[b]fluoranthene	0.0026	U	0.0864	0.0568		mg/L		66	51 - 130	28	50
Benzo[g,h,i]perylene	0.0010	U	0.0864	0.0612		mg/L		71	54 - 130	21	50
Benzo[k]fluoranthene	0.0012	U	0.0864	0.0541		mg/L		63	53 - 130	26	50
Bis(2-chloroethoxy)methane	0.0010	U	0.0864	0.0609		mg/L		70	64 - 130	6	50
Bis(2-chloroethyl)ether	0.0011	U J	0.0864	0.0524		mg/L		61	56 - 130	3	50
bis (2-chloroisopropyl) ether	0.0010	U J	0.0864	0.0483		mg/L		56	55 - 130	3	50
Bis(2-ethylhexyl) phthalate	0.0016	U	0.0864	0.0591		mg/L		68	62 - 130	24	50
4-Bromophenyl phenyl ether	0.0010	U	0.0864	0.0702		mg/L		81	61 - 130	10	50
Butyl benzyl phthalate	0.0012	U	0.0864	0.0656		mg/L		76	66 - 130	22	50
4-Chloro-3-methylphenol	0.0010	U	0.0864	0.0583		mg/L		68	60 - 130	7	50
2-Chloronaphthalene	0.0010	U	0.0864	0.0588		mg/L		68	53 - 130	4	50
2-Chlorophenol	0.0010	U	0.0864	0.0560		mg/L		65	57 - 130	3	50
4-Chlorophenyl phenyl ether	0.0010	U	0.0864	0.0652		mg/L		75	57 - 130	9	50
Chrysene	0.0010	U	0.0864	0.0591		mg/L		68	59 - 130	21	50
Dibenz(a,h)anthracene	0.0010	U	0.0864	0.0602		mg/L		70	55 - 130	22	50
1,2-Dichlorobenzene	0.0010	U	0.0864	0.0497		mg/L		58	43 - 130	2	50
1,3-Dichlorobenzene	0.0010	U	0.0864	0.0478		mg/L		55	41 - 130	1	50
1,4-Dichlorobenzene	0.0010	U	0.0864	0.0479		mg/L		56	43 - 130	3	50
3,3'-Dichlorobenzidine	0.030	U	0.0864	0.0371	J	mg/L		43	27 - 130	7	50

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-78497-2 MSD — **Client Sample ID: MW-2**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 235280 — **Prep Batch: 234475**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol	0.0011	U	0.0864	0.0594		mg/L		69	54 - 130	6	50
Diethyl phthalate	0.0010	U J	0.0864	0.0615		mg/L		71	70 - 130	11	50
2,4-Dimethylphenol	0.0040	U	0.0864	0.0617		mg/L		71	40 - 130	5	50
Dimethyl phthalate	0.0010	U	0.0864	0.0636		mg/L		74	69 - 130	9	50
Di-n-butyl phthalate	0.0010	U	0.0864	0.0585		mg/L		68	66 - 130	18	50
4,6-Dinitro-2-methylphenol	0.010	U	0.0864	0.0620		mg/L		72	45 - 134	11	50
2,4-Dinitrophenol	0.010	U	0.0864	0.0669		mg/L		77	20 - 165	12	50
2,4-Dinitrotoluene	0.0012	U	0.0864	0.0667		mg/L		77	63 - 130	9	50
2,6-Dinitrotoluene	0.0011	U	0.0864	0.0696		mg/L		81	65 - 130	7	50
Di-n-octyl phthalate	0.0014	U	0.0864	0.0578		mg/L		67	64 - 130	24	50
1,2-Diphenylhydrazine	0.0010	U J	0.0864	0.0452	J	mg/L		52	63 - 130	10	50
Fluoranthene	0.0010	U	0.0864	0.0595		mg/L		69	56 - 130	12	50
Fluorene	0.0010	U	0.0864	0.0614		mg/L		71	61 - 130	9	50
Hexachlorobenzene	0.0010	U	0.0864	0.0634		mg/L		73	52 - 130	12	50
Hexachlorobutadiene	0.0010	U	0.0864	0.0552		mg/L		64	36 - 130	5	50
Hexachlorocyclopentadiene	0.0025	U	0.0864	0.0197		mg/L		23	10 - 130	30	50
Hexachloroethane	0.0010	U	0.0864	0.0422		mg/L		49	39 - 130	2	50
Indeno[1,2,3-cd]pyrene	0.0010	U	0.0864	0.0724		mg/L		84	47 - 130	22	50
Isophorone	0.0010	U J	0.0864	0.0529		mg/L		61	59 - 130	4	50
Naphthalene	0.0010	U	0.0864	0.0544		mg/L		63	50 - 130	4	50
Nitrobenzene	0.0010	U	0.0864	0.0529		mg/L		61	56 - 130	4	50
2-Nitrophenol	0.0010	U	0.0864	0.0647		mg/L		75	54 - 130	5	50
4-Nitrophenol	0.0050	U	0.0864	0.0493		mg/L		57	38 - 130	11	50
N-Nitrosodimethylamine	0.0050	U J	0.0864	0.0521		mg/L		60	54 - 130	2	50
N-Nitrosodi-n-propylamine	0.0010	U J	0.0864	0.0540	J	mg/L		62	64 - 130	2	50
N-Nitrosodiphenylamine	0.0010	U	0.0864	0.0678		mg/L		78	68 - 130	10	50
Pentachlorophenol	0.0020	U	0.0864	0.0632		mg/L		73	42 - 138	14	50
Phenanthrene	0.0010	U	0.0864	0.0620		mg/L		72	62 - 130	12	50
Phenol	0.0010	U	0.0864	0.0474		mg/L		55	29 - 130	1	50
Pyrene	0.0010	U	0.0864	0.0617		mg/L		71	60 - 130	19	50
1,2,4-Trichlorobenzene	0.0010	U	0.0864	0.0537		mg/L		62	42 - 130	4	50
2-Methylnaphthalene	0.0010	U	0.0864	0.0558		mg/L		65	52 - 130	5	50
1-Methylnaphthalene	0.0010	U	0.0864	0.0576		mg/L		67	50 - 130	5	50
2,4,6-Trichlorophenol	0.0010	U	0.0864	0.0592		mg/L		69	57 - 130	5	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*67*		*38 - 130*
2-Fluorophenol	*59*		*25 - 130*
Nitrobenzene-d5	*65*		*39 - 130*
Phenol-d5	*58*		*25 - 130*
Terphenyl-d14	*34*		*10 - 143*
2,4,6-Tribromophenol	*83*		*31 - 141*

Lab Sample ID: MB 680-234538/6-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 235280 — **Prep Batch: 234538**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthene	0.041	U	0.33	0.041	mg/Kg		04/17/12 17:50	04/24/12 16:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-234538/6-A | **Client Sample ID: Method Blank**
Matrix: Solid | **Prep Type: Total/NA**
Analysis Batch: 235280 | **Prep Batch: 234538**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Acenaphthylene	0.036	U	0.33	0.036	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Anthracene	0.033	U	0.33	0.025	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Benzidine	0.83	U	2.7	0.83	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Benzo[a]anthracene	0.033	U	0.33	0.027	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Benzo[a]pyrene	0.052	U	0.33	0.052	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Benzo[b]fluoranthene	0.038	U	0.33	0.038	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Benzo[g,h,i]perylene	0.033	U	0.33	0.022	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Benzo[k]fluoranthene	0.065	U	0.33	0.065	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Bis(2-chloroethoxy)methane	0.039	U	0.33	0.039	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Bis(2-chloroethyl)ether	0.045	U	0.33	0.045	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
bis (2-chloroisopropyl) ether	0.033	U	0.33	0.030	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Bis(2-ethylhexyl) phthalate	0.033	U	0.33	0.029	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
4-Bromophenyl phenyl ether	0.036	U	0.33	0.036	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Butyl benzyl phthalate	0.033	U	0.33	0.026	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
4-Chloro-3-methylphenol	0.035	U	0.33	0.035	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2-Chloronaphthalene	0.035	U	0.33	0.035	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2-Chlorophenol	0.040	U	0.33	0.040	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
4-Chlorophenyl phenyl ether	0.044	U	0.33	0.044	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Chrysene	0.033	U	0.33	0.021	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Dibenz(a,h)anthracene	0.039	U	0.33	0.039	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
1,2-Dichlorobenzene	0.037	U	0.33	0.037	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
1,3-Dichlorobenzene	0.034	U	0.33	0.034	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
1,4-Dichlorobenzene	0.035	U	0.33	0.035	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
3,3'-Dichlorobenzidine	0.033	U	0.66	0.028	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2,4-Dichlorophenol	0.035	U	0.33	0.035	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Diethyl phthalate	0.037	U	0.33	0.037	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2,4-Dimethylphenol	0.066	U	0.33	0.044	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Dimethyl phthalate	0.034	U	0.33	0.034	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Di-n-butyl phthalate	0.033	U	0.33	0.030	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
4,6-Dinitro-2-methylphenol	0.17	U	1.7	0.17	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2,4-Dinitrophenol	0.83	U	1.7	0.83	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2,4-Dinitrotoluene	0.066	U	0.33	0.049	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2,6-Dinitrotoluene	0.042	U	0.33	0.042	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Di-n-octyl phthalate	0.033	U	0.33	0.029	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
1,2-Diphenylhydrazine	0.034	U	0.33	0.034	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Fluoranthene	0.033	U	0.33	0.032	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Fluorene	0.036	U	0.33	0.036	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Hexachlorobenzene	0.039	U	0.33	0.039	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Hexachlorobutadiene	0.036	U	0.33	0.036	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Hexachlorocyclopentadiene	0.041	U	0.33	0.041	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Hexachloroethane	0.033	U	0.33	0.028	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Indeno[1,2,3-cd]pyrene	0.033	U	0.33	0.028	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Isophorone	0.033	U	0.33	0.033	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Naphthalene	0.033	U	0.33	0.030	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Nitrobenzene	0.033	U	0.33	0.026	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2-Nitrophenol	0.041	U	0.33	0.041	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
4-Nitrophenol	0.33	U	1.7	0.33	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
N-Nitrosodimethylamine	0.12	U	0.33	0.12	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
N-Nitrosodi-n-propylamine	0.033	U	0.33	0.032	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
N-Nitrosodiphenylamine	0.033	U	0.33	0.033	mg/Kg		04/17/12 17:50	04/24/12 16:16	1

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: MB 680-234538/6-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 235280 — **Prep Batch: 234538**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Pentachlorophenol	0.33	U	1.7	0.33	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Phenanthrene	0.033	U	0.33	0.027	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Phenol	0.034	U	0.33	0.034	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
Pyrene	0.033	U	0.33	0.027	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
1,2,4-Trichlorobenzene	0.033	U	0.33	0.031	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2-Methylnaphthalene	0.038	U	0.33	0.038	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
1-Methylnaphthalene	0.033	U	0.33	0.031	mg/Kg		04/17/12 17:50	04/24/12 16:16	1
2,4,6-Trichlorophenol	0.033	U	0.33	0.029	mg/Kg		04/17/12 17:50	04/24/12 16:16	1

Tentatively Identified Compound	*MB Est. Result*	*MB Qualifier*	*Unit*	*D*	*RT*	*CAS No.*	*Prepared*	*Analyzed*	*Dil Fac*
Unknown Aldol Condensate	*1.33*	*N*	*mg/Kg*		*4.29*		*04/17/12 17:50*	*04/24/12 16:16*	*1*
Phosphine oxide, triphenyl-	*1.44*	*N*	*mg/Kg*		*13.79*	*791-28-6*	*04/17/12 17:50*	*04/24/12 16:16*	*1*

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
2-Fluorobiphenyl	*74*		*58 - 130*	*04/17/12 17:50*	*04/24/12 16:16*	*1*
2-Fluorophenol	*64*		*40 - 130*	*04/17/12 17:50*	*04/24/12 16:16*	*1*
Nitrobenzene-d5	*64*		*46 - 130*	*04/17/12 17:50*	*04/24/12 16:16*	*1*
Phenol-d5	*66*		*49 - 130*	*04/17/12 17:50*	*04/24/12 16:16*	*1*
Terphenyl-d14	*80*		*60 - 130*	*04/17/12 17:50*	*04/24/12 16:16*	*1*
2,4,6-Tribromophenol	*90*		*58 - 130*	*04/17/12 17:50*	*04/24/12 16:16*	*1*

Lab Sample ID: LCS 680-234538/7-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 235280 — **Prep Batch: 234538**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	3.33	2.45		mg/Kg		74	58 - 130
Acenaphthylene	3.33	2.62		mg/Kg		79	58 - 130
Anthracene	3.33	2.63		mg/Kg		79	60 - 130
Benzidine	3.33	1.08	J	mg/Kg		32	10 - 130
Benzo[a]anthracene	3.33	2.81		mg/Kg		85	62 - 130
Benzo[a]pyrene	3.33	3.17		mg/Kg		95	68 - 131
Benzo[b]fluoranthene	3.33	2.84		mg/Kg		85	53 - 130
Benzo[g,h,i]perylene	3.33	3.08		mg/Kg		93	54 - 130
Benzo[k]fluoranthene	3.33	2.70		mg/Kg		81	57 - 130
Bis(2-chloroethoxy)methane	3.33	2.43		mg/Kg		73	56 - 130
Bis(2-chloroethyl)ether	3.33	1.99		mg/Kg		60	42 - 130
bis (2-chloroisopropyl) ether	3.33	1.92		mg/Kg		58	44 - 130
Bis(2-ethylhexyl) phthalate	3.33	2.90		mg/Kg		87	62 - 132
4-Bromophenyl phenyl ether	3.33	3.01		mg/Kg		91	65 - 130
Butyl benzyl phthalate	3.33	3.23		mg/Kg		97	65 - 134
4-Chloro-3-methylphenol	3.33	2.63		mg/Kg		79	52 - 130
2-Chloronaphthalene	3.33	2.45		mg/Kg		74	55 - 130
2-Chlorophenol	3.33	2.35		mg/Kg		71	51 - 130
4-Chlorophenyl phenyl ether	3.33	2.73		mg/Kg		82	61 - 130
Chrysene	3.33	2.81		mg/Kg		85	62 - 130
Dibenz(a,h)anthracene	3.33	2.94		mg/Kg		88	56 - 130
1,2-Dichlorobenzene	3.33	2.17		mg/Kg		65	46 - 130
1,3-Dichlorobenzene	3.33	2.07		mg/Kg		62	45 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: LCS 680-234538/7-A
Matrix: Solid
Analysis Batch: 235280

Client Sample ID: Lab Control Sample
Prep Type: Total/NA
Prep Batch: 234538

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
1,4-Dichlorobenzene	3.33	2.14		mg/Kg		64	45 - 130
3,3'-Dichlorobenzidine	3.33	2.57		mg/Kg		77	45 - 130
2,4-Dichlorophenol	3.33	2.62		mg/Kg		79	53 - 130
Diethyl phthalate	3.33	2.86		mg/Kg		86	62 - 130
2,4-Dimethylphenol	3.33	2.44		mg/Kg		73	47 - 130
Dimethyl phthalate	3.33	2.88		mg/Kg		87	63 - 130
Di-n-butyl phthalate	3.33	2.75		mg/Kg		83	65 - 130
4,6-Dinitro-2-methylphenol	3.33	2.12		mg/Kg		64	14 - 137
2,4-Dinitrophenol	3.33	1.41	J	mg/Kg		42	10 - 154
2,4-Dinitrotoluene	3.33	2.85		mg/Kg		86	55 - 130
2,6-Dinitrotoluene	3.33	2.87		mg/Kg		86	57 - 130
Di-n-octyl phthalate	3.33	2.92		mg/Kg		88	59 - 146
1,2-Diphenylhydrazine	3.33	2.10		mg/Kg		63	49 - 130
Fluoranthene	3.33	2.72		mg/Kg		82	62 - 130
Fluorene	3.33	2.59		mg/Kg		78	58 - 130
Hexachlorobenzene	3.33	2.85		mg/Kg		86	59 - 130
Hexachlorobutadiene	3.33	2.51		mg/Kg		76	47 - 130
Hexachlorocyclopentadiene	3.33	2.18		mg/Kg		66	35 - 130
Hexachloroethane	3.33	1.92		mg/Kg		58	44 - 130
Indeno[1,2,3-cd]pyrene	3.33	3.64		mg/Kg		110	52 - 130
Isophorone	3.33	2.08		mg/Kg		62	48 - 130
Naphthalene	3.33	2.34		mg/Kg		70	54 - 130
Nitrobenzene	3.33	2.09		mg/Kg		63	43 - 130
2-Nitrophenol	3.33	2.64		mg/Kg		79	45 - 130
4-Nitrophenol	3.33	2.44		mg/Kg		73	30 - 130
N-Nitrosodimethylamine	3.33	1.93		mg/Kg		58	31 - 130
N-Nitrosodi-n-propylamine	3.33	2.17		mg/Kg		65	48 - 130
N-Nitrosodiphenylamine	3.33	2.88		mg/Kg		87	62 - 130
Pentachlorophenol	3.33	2.70		mg/Kg		81	38 - 131
Phenanthrene	3.33	2.71		mg/Kg		81	61 - 130
Phenol	3.33	2.18		mg/Kg		66	46 - 130
Pyrene	3.33	2.89		mg/Kg		87	59 - 130
1,2,4-Trichlorobenzene	3.33	2.38		mg/Kg		72	51 - 130
2-Methylnaphthalene	3.33	2.42		mg/Kg		73	55 - 130
1-Methylnaphthalene	3.33	2.48		mg/Kg		74	48 - 130
2,4,6-Trichlorophenol	3.33	2.66		mg/Kg		80	53 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
2-Fluorobiphenyl	*76*		*58 - 130*
2-Fluorophenol	*70*		*40 - 130*
Nitrobenzene-d5	*65*		*46 - 130*
Phenol-d5	*70*		*49 - 130*
Terphenyl-d14	*87*		*60 - 130*
2,4,6-Tribromophenol	*100*		*58 - 130*

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-78497-5 MS
Matrix: Solid
Analysis Batch: 235280

Client Sample ID: SS-1
Prep Type: Total/NA
Prep Batch: 234538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
Acenaphthene	0.049	U	4.00	2.97		mg/Kg		74	58 - 130
Acenaphthylene	0.043	U	4.00	3.16		mg/Kg		79	58 - 130
Anthracene	0.039	U	4.00	3.03		mg/Kg		76	60 - 130
Benzidine	0.99	U J	4.00	1.0	U J	mg/Kg		0	10 - 130
Benzo[a]anthracene	0.16	J	4.00	3.38		mg/Kg		81	62 - 130
Benzo[a]pyrene	0.13	J	4.00	3.68		mg/Kg		89	68 - 131
Benzo[b]fluoranthene	0.17	J M	4.00	3.38		mg/Kg		80	53 - 130
Benzo[g,h,i]perylene	0.083	J	4.00	3.32		mg/Kg		81	54 - 130
Benzo[k]fluoranthene	0.088	J M	4.00	3.12		mg/Kg		76	57 - 130
Bis(2-chloroethoxy)methane	0.046	U	4.00	2.93		mg/Kg		73	56 - 130
Bis(2-chloroethyl)ether	0.054	U	4.00	2.36		mg/Kg		59	42 - 130
bis (2-chloroisopropyl) ether	0.039	U	4.00	2.27		mg/Kg		57	44 - 130
Bis(2-ethylhexyl) phthalate	0.049	J	4.00	3.30		mg/Kg		81	62 - 132
4-Bromophenyl phenyl ether	0.043	U	4.00	3.52		mg/Kg		88	65 - 130
Butyl benzyl phthalate	0.039	U	4.00	3.58		mg/Kg		90	65 - 134
4-Chloro-3-methylphenol	0.042	U	4.00	3.25		mg/Kg		81	52 - 130
2-Chloronaphthalene	0.042	U	4.00	2.96		mg/Kg		74	55 - 130
2-Chlorophenol	0.048	U	4.00	2.89		mg/Kg		72	51 - 130
4-Chlorophenyl phenyl ether	0.052	U	4.00	3.31		mg/Kg		83	61 - 130
Chrysene	0.16	J	4.00	3.44		mg/Kg		82	62 - 130
Dibenz(a,h)anthracene	0.046	U	4.00	3.23		mg/Kg		81	56 - 130
1,2-Dichlorobenzene	0.044	U	4.00	2.60		mg/Kg		65	46 - 130
1,3-Dichlorobenzene	0.041	U	4.00	2.46		mg/Kg		61	45 - 130
1,4-Dichlorobenzene	0.042	U	4.00	2.50		mg/Kg		63	45 - 130
3,3'-Dichlorobenzidine	0.039	U	4.00	2.91		mg/Kg		73	45 - 130
2,4-Dichlorophenol	0.042	U	4.00	3.25		mg/Kg		81	53 - 130
Diethyl phthalate	0.044	U	4.00	3.40		mg/Kg		85	62 - 130
2,4-Dimethylphenol	0.079	U	4.00	3.14		mg/Kg		79	47 - 130
Dimethyl phthalate	0.041	U	4.00	3.39		mg/Kg		85	63 - 130
Di-n-butyl phthalate	0.039	U	4.00	3.12		mg/Kg		78	65 - 130
4,6-Dinitro-2-methylphenol	0.20	U	4.00	1.87	J	mg/Kg		47	14 - 137
2,4-Dinitrophenol	0.99	U	4.00	1.23	J	mg/Kg		31	10 - 154
2,4-Dinitrotoluene	0.079	U	4.00	3.40		mg/Kg		85	55 - 130
2,6-Dinitrotoluene	0.050	U	4.00	3.47		mg/Kg		87	57 - 130
Di-n-octyl phthalate	0.039	U	4.00	3.25		mg/Kg		81	59 - 146
1,2-Diphenylhydrazine	0.041	U	4.00	2.44		mg/Kg		61	49 - 130
Fluoranthene	0.26	J	4.00	3.40		mg/Kg		79	62 - 130
Fluorene	0.043	U	4.00	3.11		mg/Kg		78	58 - 130
Hexachlorobenzene	0.046	U	4.00	3.29		mg/Kg		82	59 - 130
Hexachlorobutadiene	0.043	U	4.00	3.12		mg/Kg		78	47 - 130
Hexachlorocyclopentadiene	0.049	U J	4.00	1.49		mg/Kg		37	35 - 130
Hexachloroethane	0.039	U	4.00	2.26		mg/Kg		57	44 - 130
Indeno[1,2,3-cd]pyrene	0.079	J	4.00	3.93		mg/Kg		96	52 - 130
Isophorone	0.039	U	4.00	2.45		mg/Kg		61	48 - 130
Naphthalene	0.039	U	4.00	2.85		mg/Kg		71	54 - 130
Nitrobenzene	0.039	U	4.00	2.48		mg/Kg		62	43 - 130
2-Nitrophenol	0.049	U	4.00	3.13		mg/Kg		78	45 - 130
4-Nitrophenol	0.39	U	4.00	2.97		mg/Kg		74	30 - 130
N-Nitrosodimethylamine	0.14	U	4.00	2.06	M	mg/Kg		52	31 - 130

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-78497-5 MS
Matrix: Solid
Analysis Batch: 235280

Client Sample ID: SS-1
Prep Type: Total/NA
Prep Batch: 234538

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
N-Nitrosodi-n-propylamine	0.039	U	4.00	2.54		mg/Kg		64	48 - 130
N-Nitrosodiphenylamine	0.039	U	4.00	3.38		mg/Kg		85	62 - 130
Pentachlorophenol	0.39	U	4.00	2.54		mg/Kg		64	38 - 131
Phenanthrene	0.082	J	4.00	3.21		mg/Kg		78	61 - 130
Phenol	0.041	U	4.00	2.61		mg/Kg		65	46 - 130
Pyrene	0.23	J	4.00	3.34		mg/Kg		78	59 - 130
1,2,4-Trichlorobenzene	0.039	U	4.00	2.94		mg/Kg		73	51 - 130
2-Methylnaphthalene	0.045	U	4.00	2.98		mg/Kg		75	55 - 130
1-Methylnaphthalene	0.039	U	4.00	3.04		mg/Kg		76	48 - 130
2,4,6-Trichlorophenol	0.039	U	4.00	3.18		mg/Kg		80	53 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*58 - 130*
2-Fluorophenol	*67*		*40 - 130*
Nitrobenzene-d5	*63*		*46 - 130*
Phenol-d5	*68*		*49 - 130*
Terphenyl-d14	*78*		*60 - 130*
2,4,6-Tribromophenol	*100*		*58 - 130*

Lab Sample ID: 680-78497-5 MSD
Matrix: Solid
Analysis Batch: 235280

Client Sample ID: SS-1
Prep Type: Total/NA
Prep Batch: 234538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Acenaphthene	0.049	U	3.99	2.88		mg/Kg		72	58 - 130	3	50
Acenaphthylene	0.043	U	3.99	3.06		mg/Kg		77	58 - 130	3	50
Anthracene	0.039	U	3.99	3.01		mg/Kg		75	60 - 130	1	50
Benzidine	0.99	U J	3.99	0.99	U J	mg/Kg		0	10 - 130	NC	50
Benzo[a]anthracene	0.16	J	3.99	3.36		mg/Kg		80	62 - 130	1	50
Benzo[a]pyrene	0.13	J	3.99	3.69		mg/Kg		89	68 - 131	0	50
Benzo[b]fluoranthene	0.17	J M	3.99	3.34		mg/Kg		79	53 - 130	1	50
Benzo[g,h,i]perylene	0.083	J	3.99	3.01		mg/Kg		73	54 - 130	10	50
Benzo[k]fluoranthene	0.088	J M	3.99	3.26		mg/Kg		80	57 - 130	4	50
Bis(2-chloroethoxy)methane	0.046	U	3.99	2.78		mg/Kg		70	56 - 130	5	50
Bis(2-chloroethyl)ether	0.054	U	3.99	2.25		mg/Kg		56	42 - 130	5	50
bis (2-chloroisopropyl) ether	0.039	U	3.99	2.17		mg/Kg		54	44 - 130	5	50
Bis(2-ethylhexyl) phthalate	0.049	J	3.99	3.37		mg/Kg		83	62 - 132	2	50
4-Bromophenyl phenyl ether	0.043	U	3.99	3.35		mg/Kg		84	65 - 130	5	50
Butyl benzyl phthalate	0.039	U	3.99	3.66		mg/Kg		92	65 - 134	2	50
4-Chloro-3-methylphenol	0.042	U	3.99	3.12		mg/Kg		78	52 - 130	4	50
2-Chloronaphthalene	0.042	U	3.99	2.87		mg/Kg		72	55 - 130	3	50
2-Chlorophenol	0.048	U	3.99	2.77		mg/Kg		70	51 - 130	4	50
4-Chlorophenyl phenyl ether	0.052	U	3.99	3.23		mg/Kg		81	61 - 130	3	50
Chrysene	0.16	J	3.99	3.56		mg/Kg		85	62 - 130	3	50
Dibenz(a,h)anthracene	0.046	U	3.99	3.00		mg/Kg		75	56 - 130	7	50
1,2-Dichlorobenzene	0.044	U	3.99	2.45		mg/Kg		61	46 - 130	6	50
1,3-Dichlorobenzene	0.041	U	3.99	2.30		mg/Kg		58	45 - 130	7	50
1,4-Dichlorobenzene	0.042	U	3.99	2.38		mg/Kg		60	45 - 130	5	50
3,3'-Dichlorobenzidine	0.039	U	3.99	2.51		mg/Kg		63	45 - 130	15	50

Method: 8270C - Semivolatile Organic Compounds (GC/MS) (Continued)

Lab Sample ID: 680-78497-5 MSD
Matrix: Solid
Analysis Batch: 235280

Client Sample ID: SS-1
Prep Type: Total/NA
Prep Batch: 234538

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
2,4-Dichlorophenol	0.042	U	3.99	3.08		mg/Kg		77	53 - 130	5	50
Diethyl phthalate	0.044	U	3.99	3.28		mg/Kg		82	62 - 130	4	50
2,4-Dimethylphenol	0.079	U	3.99	3.02		mg/Kg		76	47 - 130	4	50
Dimethyl phthalate	0.041	U	3.99	3.25		mg/Kg		82	63 - 130	4	50
Di-n-butyl phthalate	0.039	U	3.99	3.08		mg/Kg		77	65 - 130	1	50
4,6-Dinitro-2-methylphenol	0.20	U	3.99	1.64	J	mg/Kg		41	14 - 137	13	50
2,4-Dinitrophenol	0.99	U	3.99	1.01	J	mg/Kg		25	10 - 154	19	50
2,4-Dinitrotoluene	0.079	U	3.99	3.27		mg/Kg		82	55 - 130	4	50
2,6-Dinitrotoluene	0.050	U	3.99	3.33		mg/Kg		83	57 - 130	4	50
Di-n-octyl phthalate	0.039	U	3.99	3.25		mg/Kg		82	59 - 146	0	50
1,2-Diphenylhydrazine	0.041	U	3.99	2.36		mg/Kg		59	49 - 130	3	50
Fluoranthene	0.26	J	3.99	3.39		mg/Kg		78	62 - 130	0	50
Fluorene	0.043	U	3.99	3.08		mg/Kg		77	58 - 130	1	50
Hexachlorobenzene	0.046	U	3.99	3.21		mg/Kg		81	59 - 130	2	50
Hexachlorobutadiene	0.043	U	3.99	3.00		mg/Kg		75	47 - 130	4	50
Hexachlorocyclopentadiene	0.049	U J	3.99	0.883	J	mg/Kg		22	35 - 130	51	50
Hexachloroethane	0.039	U	3.99	2.15		mg/Kg		54	44 - 130	5	50
Indeno[1,2,3-cd]pyrene	0.079	J	3.99	3.50		mg/Kg		86	52 - 130	12	50
Isophorone	0.039	U	3.99	2.36		mg/Kg		59	48 - 130	4	50
Naphthalene	0.039	U	3.99	2.72		mg/Kg		68	54 - 130	4	50
Nitrobenzene	0.039	U	3.99	2.36		mg/Kg		59	43 - 130	5	50
2-Nitrophenol	0.049	U	3.99	3.02		mg/Kg		76	45 - 130	4	50
4-Nitrophenol	0.39	U	3.99	2.93		mg/Kg		73	30 - 130	2	50
N-Nitrosodimethylamine	0.14	U	3.99	1.97	M	mg/Kg		50	31 - 130	4	50
N-Nitrosodi-n-propylamine	0.039	U	3.99	2.44		mg/Kg		61	48 - 130	4	50
N-Nitrosodiphenylamine	0.039	U	3.99	3.24		mg/Kg		81	62 - 130	4	50
Pentachlorophenol	0.39	U	3.99	2.64		mg/Kg		66	38 - 131	4	50
Phenanthrene	0.082	J	3.99	3.20		mg/Kg		78	61 - 130	0	50
Phenol	0.041	U	3.99	2.48		mg/Kg		62	46 - 130	5	50
Pyrene	0.23	J	3.99	3.54		mg/Kg		83	59 - 130	6	50
1,2,4-Trichlorobenzene	0.039	U	3.99	2.81		mg/Kg		71	51 - 130	4	50
2-Methylnaphthalene	0.045	U	3.99	2.85		mg/Kg		71	55 - 130	5	50
1-Methylnaphthalene	0.039	U	3.99	2.92		mg/Kg		73	48 - 130	4	50
2,4,6-Trichlorophenol	0.039	U	3.99	3.08		mg/Kg		77	53 - 130	3	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
2-Fluorobiphenyl	*73*		*58 - 130*
2-Fluorophenol	*65*		*40 - 130*
Nitrobenzene-d5	*62*		*46 - 130*
Phenol-d5	*67*		*49 - 130*
Terphenyl-d14	*84*		*60 - 130*
2,4,6-Tribromophenol	*101*		*58 - 130*

Method: 8011 - EDB, DBCP, and 1,2,3-TCP (GC)

Lab Sample ID: MB 680-235077/9-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 235236 — **Prep Batch: 235077**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Ethylene Dibromide	0.0000050	U	0.000020	0.0000022	mg/L		04/23/12 14:00	04/24/12 11:05	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
Pentachloroethane	*87*	*M*	*60 - 144*	*04/23/12 14:00*	*04/24/12 11:05*	*1*
Pentachloroethane	*100*		*60 - 144*	*04/23/12 14:00*	*04/24/12 11:05*	*1*

Lab Sample ID: LCS 680-235077/10-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 235236 — **Prep Batch: 235077**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Ethylene Dibromide	0.000100	0.000109	M	mg/L		109	66 - 126

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
Pentachloroethane	*95*		*60 - 144*
Pentachloroethane	*99*		*60 - 144*

Lab Sample ID: LCSD 680-235077/11-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 235236 — **Prep Batch: 235077**

Analyte	Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Ethylene Dibromide	0.000100	0.000105	M	mg/L		105	66 - 126	4	30

Surrogate	*LCSD %Recovery*	*LCSD Qualifier*	*Limits*
Pentachloroethane	*102*		*60 - 144*
Pentachloroethane	*100*		*60 - 144*

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC)

Lab Sample ID: MB 680-234215/8-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 234489 — **Prep Batch: 234215**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.00020	U	0.0010	0.000071	mg/L		04/13/12 15:37	04/16/12 18:04	1
PCB-1221	0.00028	U	0.0020	0.00028	mg/L		04/13/12 15:37	04/16/12 18:04	1
PCB-1232	0.00020	U	0.0010	0.00011	mg/L		04/13/12 15:37	04/16/12 18:04	1
PCB-1242	0.00020	U	0.0010	0.00018	mg/L		04/13/12 15:37	04/16/12 18:04	1
PCB-1248	0.00036	U	0.0010	0.00036	mg/L		04/13/12 15:37	04/16/12 18:04	1
PCB-1254	0.00026	U	0.0010	0.00026	mg/L		04/13/12 15:37	04/16/12 18:04	1
PCB-1260	0.00020	U	0.0010	0.00020	mg/L		04/13/12 15:37	04/16/12 18:04	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*54*		*40 - 130*	*04/13/12 15:37*	*04/16/12 18:04*	*1*
DCB Decachlorobiphenyl	*47*	*M*	*40 - 130*	*04/13/12 15:37*	*04/16/12 18:04*	*1*
Tetrachloro-m-xylene	*92*		*36 - 130*	*04/13/12 15:37*	*04/16/12 18:04*	*1*
Tetrachloro-m-xylene	*78*		*36 - 130*	*04/13/12 15:37*	*04/16/12 18:04*	*1*

Method: 8081A_8082 - Organochlorine Pesticides & PCBs (GC) (Continued)

Lab Sample ID: LCS 680-234215/12-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 234489 — **Prep Batch: 234215**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.0100	0.00898		mg/L		90	38 - 172
PCB-1260	0.0100	0.00933		mg/L		93	46 - 138

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*63*	*M*	*40 - 130*
DCB Decachlorobiphenyl	*53*	*M*	*40 - 130*
Tetrachloro-m-xylene	*84*		*36 - 130*
Tetrachloro-m-xylene	*68*		*36 - 130*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography

Lab Sample ID: MB 680-234531/4-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234758 — **Prep Batch: 234531**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
PCB-1016	0.0066	U	0.033	0.0029	mg/Kg		04/17/12 17:50	04/18/12 19:07	1
PCB-1221	0.0066	U	0.066	0.0048	mg/Kg		04/17/12 17:50	04/18/12 19:07	1
PCB-1232	0.0033	U	0.033	0.0033	mg/Kg		04/17/12 17:50	04/18/12 19:07	1
PCB-1242	0.0066	U	0.033	0.0028	mg/Kg		04/17/12 17:50	04/18/12 19:07	1
PCB-1248	0.0071	U	0.033	0.0071	mg/Kg		04/17/12 17:50	04/18/12 19:07	1
PCB-1254	0.0033	U	0.033	0.0023	mg/Kg		04/17/12 17:50	04/18/12 19:07	1
PCB-1260	0.0066	U	0.033	0.0066	mg/Kg		04/17/12 17:50	04/18/12 19:07	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
DCB Decachlorobiphenyl	*95*		*54 - 133*	*04/17/12 17:50*	*04/18/12 19:07*	*1*
DCB Decachlorobiphenyl	*100*		*54 - 133*	*04/17/12 17:50*	*04/18/12 19:07*	*1*
Tetrachloro-m-xylene	*93*		*46 - 130*	*04/17/12 17:50*	*04/18/12 19:07*	*1*
Tetrachloro-m-xylene	*97*		*46 - 130*	*04/17/12 17:50*	*04/18/12 19:07*	*1*

Lab Sample ID: LCS 680-234531/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234758 — **Prep Batch: 234531**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.330	0.251		mg/Kg		76	64 - 130
PCB-1260	0.330	0.236		mg/Kg		72	69 - 130

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*54 - 133*
DCB Decachlorobiphenyl	*83*		*54 - 133*
Tetrachloro-m-xylene	*80*		*46 - 130*
Tetrachloro-m-xylene	*82*		*46 - 130*

Method: 8081B/8082A - Organochlorine Pesticides and Polychlorinated Biphenyls by Gas Chromatography (Continued)

Lab Sample ID: 680-78497-5 MS — **Client Sample ID: SS-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234758 — **Prep Batch: 234531**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits
PCB-1016	0.0080	U	0.399	0.314		mg/Kg		79	64 - 130
PCB-1260	0.0091	J	0.399	0.298		mg/Kg		71	69 - 130

Surrogate	*MS %Recovery*	*MS Qualifier*	*Limits*
DCB Decachlorobiphenyl	*81*		*54 - 133*
DCB Decachlorobiphenyl	*84*		*54 - 133*
Tetrachloro-m-xylene	*81*		*46 - 130*
Tetrachloro-m-xylene	*85*		*46 - 130*

Lab Sample ID: 680-78497-5 MSD — **Client Sample ID: SS-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234758 — **Prep Batch: 234531**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
PCB-1016	0.0080	U	0.396	0.292		mg/Kg		74	64 - 130	7.34	50
PCB-1260	0.0091	J	0.396	0.279	J	mg/Kg		67	69 - 130	6.55	50

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
DCB Decachlorobiphenyl	*77*		*54 - 133*
DCB Decachlorobiphenyl	*84*		*54 - 133*
Tetrachloro-m-xylene	*78*		*46 - 130*
Tetrachloro-m-xylene	*82*		*46 - 130*

Method: FL-PRO - Florida - Petroleum Range Organics (GC)

Lab Sample ID: MB 680-234370/4-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 234937 — **Prep Batch: 234370**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	0.040	U	0.30	0.040	mg/L		04/16/12 14:45	04/20/12 16:30	1

Surrogate	*MB %Recovery*	*MB Qualifier*	*Limits*	*Prepared*	*Analyzed*	*Dil Fac*
n-C39	*103*	*J*	*42 - 193*	*04/16/12 14:45*	*04/20/12 16:30*	*1*
o-Terphenyl (Surr)	*80*	*Q*	*82 - 142*	*04/16/12 14:45*	*04/20/12 16:30*	*1*

Lab Sample ID: LCS 680-234370/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 234937 — **Prep Batch: 234370**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Total Petroleum Hydrocarbons (C8-C40)	1.36	0.968		mg/L		71	55 - 118

Surrogate	*LCS %Recovery*	*LCS Qualifier*	*Limits*
n-C39	*79*		*42 - 193*

Method: FL-PRO - Florida - Petroleum Range Organics (GC) (Continued)

Lab Sample ID: LCS 680-234370/5-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 234937 — **Prep Batch: 234370**

Surrogate	LCS %Recovery	LCS Qualifier	Limits
o-Terphenyl (Surr)	94		82 - 142

Lab Sample ID: LCSD 680-234370/6-A — **Client Sample ID: Lab Control Sample Dup**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 234937 — **Prep Batch: 234370**

Analyte			Spike Added	LCSD Result	LCSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Petroleum Hydrocarbons (C8-C40)			1.36	1.03		mg/L		76	55 - 118	6	20

Surrogate	LCSD %Recovery	LCSD Qualifier	Limits
n-C39	76		42 - 193
o-Terphenyl (Surr)	96		82 - 142

Lab Sample ID: MB 680-234541/3-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234937 — **Prep Batch: 234541**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Total Petroleum Hydrocarbons (C8-C40)	9.9	U	9.9	9.9	mg/Kg		04/17/12 18:40	04/20/12 15:46	1

Surrogate	MB %Recovery	MB Qualifier	Limits	Prepared	Analyzed	Dil Fac
n-C39	66		60 - 118	04/17/12 18:40	04/20/12 15:46	1
o-Terphenyl (Surr)	93		62 - 109	04/17/12 18:40	04/20/12 15:46	1

Lab Sample ID: LCS 680-234541/4-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234937 — **Prep Batch: 234541**

Analyte			Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Petroleum Hydrocarbons (C8-C40)			45.2	29.3		mg/Kg		65	63 - 153		

Surrogate	LCS %Recovery	LCS Qualifier	Limits
n-C39	63		60 - 118
o-Terphenyl (Surr)	85		62 - 109

Lab Sample ID: 680-78497-5 MS — **Client Sample ID: SS-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234937 — **Prep Batch: 234541**

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Total Petroleum Hydrocarbons (C8-C40)	12	U J	54.4	44.1		mg/Kg		81	63 - 153		

Surrogate	MS %Recovery	MS Qualifier	Limits
n-C39	138	J Q	60 - 118
o-Terphenyl (Surr)	87		62 - 109

Method: FL-PRO - Florida - Petroleum Range Organics (GC) (Continued)

Lab Sample ID: 680-78497-5 MSD — **Client Sample ID: SS-1**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234937 — **Prep Batch: 234541**

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Total Petroleum Hydrocarbons (C8-C40)	12	U J	54.1	83.0	J	mg/Kg		153	63 - 153	61	25

Surrogate	*MSD %Recovery*	*MSD Qualifier*	*Limits*
n-C39	*148*	*J Q*	*60 - 118*
o-Terphenyl (Surr)	*109*	*J*	*62 - 109*

Method: 6010B - Metals (ICP)

Lab Sample ID: MB 680-234479/1-A — **Client Sample ID: Method Blank**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 234752 — **Prep Batch: 234479**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.0080	U	0.020	0.0046	mg/L		04/17/12 09:39	04/18/12 14:24	1
Cadmium	0.0020	U	0.0050	0.0020	mg/L		04/17/12 09:39	04/18/12 14:24	1
Chromium	0.0020	U	0.010	0.0012	mg/L		04/17/12 09:39	04/18/12 14:24	1
Lead	0.00418	J	0.010	0.0040	mg/L		04/17/12 09:39	04/18/12 14:24	1

Lab Sample ID: LCS 680-234479/2-A — **Client Sample ID: Lab Control Sample**
Matrix: Water — **Prep Type: Total/NA**
Analysis Batch: 234752 — **Prep Batch: 234479**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	2.00	2.08		mg/L		104	75 - 125
Cadmium	0.0500	0.0532		mg/L		106	75 - 125
Chromium	0.200	0.209		mg/L		104	75 - 125
Lead	0.500	0.520		mg/L		104	75 - 125

Lab Sample ID: MB 680-234483/2-A — **Client Sample ID: Method Blank**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234752 — **Prep Batch: 234483**

Analyte	MB Result	MB Qualifier	LOQ	DL	Unit	D	Prepared	Analyzed	Dil Fac
Arsenic	0.80	U	2.0	0.59	mg/Kg		04/17/12 10:01	04/18/12 20:56	1
Cadmium	0.20	U	0.50	0.10	mg/Kg		04/17/12 10:01	04/18/12 20:56	1
Chromium	0.50	U	1.0	0.50	mg/Kg		04/17/12 10:01	04/18/12 20:56	1
Lead	0.53	U	1.0	0.53	mg/Kg		04/17/12 10:01	04/18/12 20:56	1

Lab Sample ID: LCS 680-234483/3-A — **Client Sample ID: Lab Control Sample**
Matrix: Solid — **Prep Type: Total/NA**
Analysis Batch: 234752 — **Prep Batch: 234483**

Analyte	Spike Added	LCS Result	LCS Qualifier	Unit	D	%Rec	%Rec. Limits
Arsenic	200	208		mg/Kg		104	75 - 125
Cadmium	5.00	5.30		mg/Kg		106	75 - 125
Chromium	20.0	21.1		mg/Kg		105	75 - 125
Lead	50.0	52.0		mg/Kg		104	75 - 125

QC Sample Results

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Method: 6010B - Metals (ICP) (Continued)

Lab Sample ID: 680-78497-6 MS
Matrix: Solid
Analysis Batch: 234752

Client Sample ID: SS-2
Prep Type: Total/NA
Prep Batch: 234483

Analyte	Sample Result	Sample Qualifier	Spike Added	MS Result	MS Qualifier	Unit	D	%Rec	%Rec. Limits		
Arsenic	0.89	U	223	234		mg/Kg		105	75 - 125		
Cadmium	0.22	U	5.57	5.25		mg/Kg		94	75 - 125		
Chromium	2.4		22.3	23.0		mg/Kg		93	75 - 125		
Lead	0.74	J	55.7	53.1		mg/Kg		94	75 - 125		

Lab Sample ID: 680-78497-6 MSD
Matrix: Solid
Analysis Batch: 234752

Client Sample ID: SS-2
Prep Type: Total/NA
Prep Batch: 234483

Analyte	Sample Result	Sample Qualifier	Spike Added	MSD Result	MSD Qualifier	Unit	D	%Rec	%Rec. Limits	RPD	RPD Limit
Arsenic	0.89	U	223	247		mg/Kg		111	75 - 125	5.66	20
Cadmium	0.22	U	5.57	5.50		mg/Kg		99	75 - 125	4.67	20
Chromium	2.4		22.3	24.4		mg/Kg		99	75 - 125	5.84	20
Lead	0.74	J	55.7	56.3		mg/Kg		100	75 - 125	5.75	20

QC Association Summary

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

GC/MS VOA

Prep Batch: 234095

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-5	SS-1	Total/NA	Solid	5035	
680-78497-6	SS-2	Total/NA	Solid	5035	

Analysis Batch: 234405

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-3	EQB-1	Total/NA	Water	8260B	
LCS 680-234405/4	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-234405/5	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-234405/7	Method Blank	Total/NA	Water	8260B	

Analysis Batch: 234473

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-5	SS-1	Total/NA	Solid	8260B	234095
680-78497-6	SS-2	Total/NA	Solid	8260B	234095
LCS 680-234473/4	Lab Control Sample	Total/NA	Solid	8260B	
LCSD 680-234473/5	Lab Control Sample Dup	Total/NA	Solid	8260B	
MB 680-234473/7	Method Blank	Total/NA	Solid	8260B	

Analysis Batch: 234656

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	8260B	
680-78497-2	MW-2	Total/NA	Water	8260B	
680-78497-4	Trip Blank	Total/NA	Water	8260B	
680-78497-7	Trip Blank	Total/NA	Water	8260B	
LCS 680-234656/5	Lab Control Sample	Total/NA	Water	8260B	
LCSD 680-234656/6	Lab Control Sample Dup	Total/NA	Water	8260B	
MB 680-234656/8	Method Blank	Total/NA	Water	8260B	

GC/MS Semi VOA

Prep Batch: 234475

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	3520C	
680-78497-2	MW-2	Total/NA	Water	3520C	
680-78497-2 MS	MW-2	Total/NA	Water	3520C	
680-78497-2 MSD	MW-2	Total/NA	Water	3520C	
680-78497-3	EQB-1	Total/NA	Water	3520C	
680-78497-3 - DL	EQB-1	Total/NA	Water	3520C	
LCS 680-234475/5-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-234475/6-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-234475/4-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 234538

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-5	SS-1	Total/NA	Solid	3546	
680-78497-5 MS	SS-1	Total/NA	Solid	3546	
680-78497-5 MSD	SS-1	Total/NA	Solid	3546	
680-78497-6	SS-2	Total/NA	Solid	3546	
LCS 680-234538/7-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-234538/6-A	Method Blank	Total/NA	Solid	3546	

GC/MS Semi VOA (Continued)

Analysis Batch: 235280

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	8270C	234475
680-78497-2	MW-2	Total/NA	Water	8270C	234475
680-78497-2 MS	MW-2	Total/NA	Water	8270C	234475
680-78497-2 MSD	MW-2	Total/NA	Water	8270C	234475
680-78497-3	EQB-1	Total/NA	Water	8270C	234475
680-78497-5	SS-1	Total/NA	Solid	8270C	234538
680-78497-5 MS	SS-1	Total/NA	Solid	8270C	234538
680-78497-5 MSD	SS-1	Total/NA	Solid	8270C	234538
680-78497-6	SS-2	Total/NA	Solid	8270C	234538
LCS 680-234475/5-A	Lab Control Sample	Total/NA	Water	8270C	234475
LCS 680-234538/7-A	Lab Control Sample	Total/NA	Solid	8270C	234538
LCSD 680-234475/6-A	Lab Control Sample Dup	Total/NA	Water	8270C	234475
MB 680-234475/4-A	Method Blank	Total/NA	Water	8270C	234475
MB 680-234538/6-A	Method Blank	Total/NA	Solid	8270C	234538

Analysis Batch: 235367

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-3 - DL	EQB-1	Total/NA	Water	8270C	234475

GC Semi VOA

Prep Batch: 234215

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	3520C	
680-78497-2	MW-2	Total/NA	Water	3520C	
680-78497-3	EQB-1	Total/NA	Water	3520C	
LCS 680-234215/12-A	Lab Control Sample	Total/NA	Water	3520C	
MB 680-234215/8-A	Method Blank	Total/NA	Water	3520C	

Prep Batch: 234370

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	3520C	
680-78497-2	MW-2	Total/NA	Water	3520C	
680-78497-3	EQB-1	Total/NA	Water	3520C	
LCS 680-234370/5-A	Lab Control Sample	Total/NA	Water	3520C	
LCSD 680-234370/6-A	Lab Control Sample Dup	Total/NA	Water	3520C	
MB 680-234370/4-A	Method Blank	Total/NA	Water	3520C	

Analysis Batch: 234489

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	8081A_8082	234215
680-78497-2	MW-2	Total/NA	Water	8081A_8082	234215
680-78497-3	EQB-1	Total/NA	Water	8081A_8082	234215
LCS 680-234215/12-A	Lab Control Sample	Total/NA	Water	8081A_8082	234215
MB 680-234215/8-A	Method Blank	Total/NA	Water	8081A_8082	234215

Prep Batch: 234531

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-5	SS-1	Total/NA	Solid	3546	
680-78497-5 MS	SS-1	Total/NA	Solid	3546	
680-78497-5 MSD	SS-1	Total/NA	Solid	3546	
680-78497-6	SS-2	Total/NA	Solid	3546	

GC Semi VOA (Continued)

Prep Batch: 234531 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-234531/5-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-234531/4-A	Method Blank	Total/NA	Solid	3546	

Prep Batch: 234541

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-5	SS-1	Total/NA	Solid	3546	
680-78497-5 MS	SS-1	Total/NA	Solid	3546	
680-78497-5 MSD	SS-1	Total/NA	Solid	3546	
680-78497-6	SS-2	Total/NA	Solid	3546	
LCS 680-234541/4-A	Lab Control Sample	Total/NA	Solid	3546	
MB 680-234541/3-A	Method Blank	Total/NA	Solid	3546	

Analysis Batch: 234758

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-5	SS-1	Total/NA	Solid	8081B/8082A	234531
680-78497-5 MS	SS-1	Total/NA	Solid	8081B/8082A	234531
680-78497-5 MSD	SS-1	Total/NA	Solid	8081B/8082A	234531
680-78497-6	SS-2	Total/NA	Solid	8081B/8082A	234531
LCS 680-234531/5-A	Lab Control Sample	Total/NA	Solid	8081B/8082A	234531
MB 680-234531/4-A	Method Blank	Total/NA	Solid	8081B/8082A	234531

Analysis Batch: 234937

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	FL-PRO	234370
680-78497-2	MW-2	Total/NA	Water	FL-PRO	234370
680-78497-3	EQB-1	Total/NA	Water	FL-PRO	234370
680-78497-5	SS-1	Total/NA	Solid	FL-PRO	234541
680-78497-5 MS	SS-1	Total/NA	Solid	FL-PRO	234541
680-78497-5 MSD	SS-1	Total/NA	Solid	FL-PRO	234541
680-78497-6	SS-2	Total/NA	Solid	FL-PRO	234541
LCS 680-234370/5-A	Lab Control Sample	Total/NA	Water	FL-PRO	234370
LCS 680-234541/4-A	Lab Control Sample	Total/NA	Solid	FL-PRO	234541
LCSD 680-234370/6-A	Lab Control Sample Dup	Total/NA	Water	FL-PRO	234370
MB 680-234370/4-A	Method Blank	Total/NA	Water	FL-PRO	234370
MB 680-234541/3-A	Method Blank	Total/NA	Solid	FL-PRO	234541

Prep Batch: 235077

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	8011	
680-78497-2	MW-2	Total/NA	Water	8011	
680-78497-3	EQB-1	Total/NA	Water	8011	
680-78497-4	Trip Blank	Total/NA	Water	8011	
LCS 680-235077/10-A	Lab Control Sample	Total/NA	Water	8011	
LCSD 680-235077/11-A	Lab Control Sample Dup	Total/NA	Water	8011	
MB 680-235077/9-A	Method Blank	Total/NA	Water	8011	

Analysis Batch: 235236

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	8011	235077
680-78497-2	MW-2	Total/NA	Water	8011	235077
680-78497-3	EQB-1	Total/NA	Water	8011	235077
680-78497-4	Trip Blank	Total/NA	Water	8011	235077

GC Semi VOA (Continued)

Analysis Batch: 235236 (Continued)

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
LCS 680-235077/10-A	Lab Control Sample	Total/NA	Water	8011	235077
LCSD 680-235077/11-A	Lab Control Sample Dup	Total/NA	Water	8011	235077
MB 680-235077/9-A	Method Blank	Total/NA	Water	8011	235077

Metals

Prep Batch: 234479

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	3010A	
680-78497-2	MW-2	Total/NA	Water	3010A	
680-78497-3	EQB-1	Total/NA	Water	3010A	
LCS 680-234479/2-A	Lab Control Sample	Total/NA	Water	3010A	
MB 680-234479/1-A	Method Blank	Total/NA	Water	3010A	

Prep Batch: 234483

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-5	SS-1	Total/NA	Solid	3050B	
680-78497-6	SS-2	Total/NA	Solid	3050B	
680-78497-6 MS	SS-2	Total/NA	Solid	3050B	
680-78497-6 MSD	SS-2	Total/NA	Solid	3050B	
LCS 680-234483/3-A	Lab Control Sample	Total/NA	Solid	3050B	
MB 680-234483/2-A	Method Blank	Total/NA	Solid	3050B	

Analysis Batch: 234752

Lab Sample ID	Client Sample ID	Prep Type	Matrix	Method	Prep Batch
680-78497-1	MW-1	Total/NA	Water	6010B	234479
680-78497-2	MW-2	Total/NA	Water	6010B	234479
680-78497-3	EQB-1	Total/NA	Water	6010B	234479
680-78497-5	SS-1	Total/NA	Solid	6010B	234483
680-78497-6	SS-2	Total/NA	Solid	6010B	234483
680-78497-6 MS	SS-2	Total/NA	Solid	6010B	234483
680-78497-6 MSD	SS-2	Total/NA	Solid	6010B	234483
LCS 680-234479/2-A	Lab Control Sample	Total/NA	Water	6010B	234479
LCS 680-234483/3-A	Lab Control Sample	Total/NA	Solid	6010B	234483
MB 680-234479/1-A	Method Blank	Total/NA	Water	6010B	234479
MB 680-234483/2-A	Method Blank	Total/NA	Solid	6010B	234483

Lab Chronicle

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: MW-1

Lab Sample ID: 680-78497-1
Date Collected: 04/11/12 09:30
Matrix: Water
Date Received: 04/12/12 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	234656	04/18/12 17:50	AJMC	TAL SAV
Total/NA	Prep	3520C			234475	04/17/12 15:04	RBS	TAL SAV
Total/NA	Analysis	8270C		1	235280	04/24/12 19:10	MES	TAL SAV
Total/NA	Prep	3520C			234215	04/13/12 15:37	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1	234489	04/16/12 20:00	JK	TAL SAV
Total/NA	Prep	3520C			234370	04/16/12 14:45	RBS	TAL SAV
Total/NA	Analysis	FL-PRO		1	234937	04/20/12 15:03	CAR	TAL SAV
Total/NA	Prep	8011			235077	04/23/12 14:00	AGM	TAL SAV
Total/NA	Analysis	8011		1	235236	04/24/12 12:19	AGM	TAL SAV
Total/NA	Prep	3010A			234479	04/17/12 09:39	CDJ	TAL SAV
Total/NA	Analysis	6010B		1	234752	04/18/12 18:35	BCB	TAL SAV

Client Sample ID: MW-2

Lab Sample ID: 680-78497-2
Date Collected: 04/11/12 10:48
Matrix: Water
Date Received: 04/12/12 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	234656	04/18/12 17:28	AJMC	TAL SAV
Total/NA	Prep	3520C			234475	04/17/12 15:04	RBS	TAL SAV
Total/NA	Analysis	8270C		1	235280	04/24/12 20:38	MES	TAL SAV
Total/NA	Prep	3520C			234215	04/13/12 15:37	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1	234489	04/16/12 20:19	JK	TAL SAV
Total/NA	Prep	3520C			234370	04/16/12 14:45	RBS	TAL SAV
Total/NA	Analysis	FL-PRO		1	234937	04/20/12 15:17	CAR	TAL SAV
Total/NA	Prep	8011			235077	04/23/12 14:00	AGM	TAL SAV
Total/NA	Analysis	8011		1	235236	04/24/12 12:27	AGM	TAL SAV
Total/NA	Prep	3010A			234479	04/17/12 09:39	CDJ	TAL SAV
Total/NA	Analysis	6010B		1	234752	04/18/12 18:40	BCB	TAL SAV

Client Sample ID: EQB-1

Lab Sample ID: 680-78497-3
Date Collected: 04/10/12 00:00
Matrix: Water
Date Received: 04/12/12 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	234405	04/16/12 12:43	AJMC	TAL SAV
Total/NA	Prep	3520C			234475	04/17/12 15:04	RBS	TAL SAV
Total/NA	Analysis	8270C		1	235280	04/24/12 20:09	MES	TAL SAV
Total/NA	Prep	3520C	DL		234475	04/17/12 15:04	RBS	TAL SAV
Total/NA	Analysis	8270C	DL	2	235367	04/25/12 14:12	MES	TAL SAV
Total/NA	Prep	3520C			234215	04/13/12 15:37	RBS	TAL SAV
Total/NA	Analysis	8081A_8082		1	234489	04/16/12 20:39	JK	TAL SAV
Total/NA	Prep	3520C			234370	04/16/12 14:45	RBS	TAL SAV
Total/NA	Analysis	FL-PRO		1	234937	04/20/12 15:32	CAR	TAL SAV
Total/NA	Prep	8011			235077	04/23/12 14:00	AGM	TAL SAV

Lab Chronicle

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: EQB-1

Lab Sample ID: 680-78497-3
Date Collected: 04/10/12 00:00
Matrix: Water
Date Received: 04/12/12 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8011		1	235236	04/24/12 12:36	AGM	TAL SAV
Total/NA	Prep	3010A			234479	04/17/12 09:39	CDJ	TAL SAV
Total/NA	Analysis	6010B		1	234752	04/18/12 14:34	BCB	TAL SAV

Client Sample ID: Trip Blank

Lab Sample ID: 680-78497-4
Date Collected: 04/11/12 00:00
Matrix: Water
Date Received: 04/12/12 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	234656	04/18/12 16:45	AJMC	TAL SAV
Total/NA	Prep	8011			235077	04/23/12 14:00	AGM	TAL SAV
Total/NA	Analysis	8011		1	235236	04/24/12 12:44	AGM	TAL SAV

Client Sample ID: SS-1

Lab Sample ID: 680-78497-5
Date Collected: 04/10/12 09:07
Matrix: Solid
Date Received: 04/12/12 09:22
Percent Solids: 83.3

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234095	04/12/12 11:19	FS	TAL SAV
Total/NA	Analysis	8260B		1	234473	04/16/12 19:15	ES	TAL SAV
Total/NA	Prep	3546			234538	04/17/12 17:50	JW	TAL SAV
Total/NA	Analysis	8270C		1	235280	04/24/12 22:34	MES	TAL SAV
Total/NA	Prep	3546			234531	04/17/12 17:50	JW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	234758	04/18/12 20:18	JK	TAL SAV
Total/NA	Prep	3546			234541	04/17/12 18:40	JW	TAL SAV
Total/NA	Analysis	FL-PRO		1	234937	04/20/12 16:45	CAR	TAL SAV
Total/NA	Prep	3050B			234483	04/17/12 10:01	HM	TAL SAV
Total/NA	Analysis	6010B		1	234752	04/18/12 21:06	BCB	TAL SAV

Client Sample ID: SS-2

Lab Sample ID: 680-78497-6
Date Collected: 04/10/12 13:30
Matrix: Solid
Date Received: 04/12/12 09:22
Percent Solids: 87.1

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Prep	5035			234095	04/12/12 11:19	FS	TAL SAV
Total/NA	Analysis	8260B		1	234473	04/16/12 19:38	ES	TAL SAV
Total/NA	Prep	3546			234538	04/17/12 17:50	JW	TAL SAV
Total/NA	Analysis	8270C		1	235280	04/24/12 19:39	MES	TAL SAV
Total/NA	Prep	3546			234531	04/17/12 17:50	JW	TAL SAV
Total/NA	Analysis	8081B/8082A		1	234758	04/18/12 20:42	JK	TAL SAV
Total/NA	Prep	3546			234541	04/17/12 18:40	JW	TAL SAV
Total/NA	Analysis	FL-PRO		1	234937	04/20/12 16:15	CAR	TAL SAV
Total/NA	Prep	3050B			234483	04/17/12 10:01	HM	TAL SAV
Total/NA	Analysis	6010B		1	234752	04/18/12 21:11	BCB	TAL SAV

Lab Chronicle

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Client Sample ID: Trip Blank

Lab Sample ID: 680-78497-7

Date Collected: 04/10/12 00:00
Matrix: Water
Date Received: 04/12/12 09:22

Prep Type	Batch Type	Batch Method	Run	Dilution Factor	Batch Number	Prepared or Analyzed	Analyst	Lab
Total/NA	Analysis	8260B		1	234656	04/18/12 17:07	AJMC	TAL SAV

Laboratory References:

TAL SAV = TestAmerica Savannah, 5102 LaRoche Avenue, Savannah, GA 31404, TEL (912)354-7858

Serial Number 48828

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE: Key West PAS	PROJECT NO.: 11-2168	PROJECT LOCATION (STATE): FL
TAL (LAB) PROJECT MANAGER:	P.O. NUMBER: 11-2168	CONTRACT NO.:
CLIENT (SITE) PM: Andrew Nixon	CLIENT PHONE: 561-687-8200	CLIENT FAX: 561-640-7375
CLIENT NAME: Ardaman and Assoc.	CLIENT E-MAIL: anixon@ardaman.com	
CLIENT ADDRESS: 2200 N. Florida Mango Rd, #101, WPB, FL 33409		
COMPANY CONTRACTING THIS WORK (if applicable):		

PAGE ___ OF ___

STANDARD REPORT DELIVERY ●

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT:

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B	8270C	8082	FL PRO	4 RCRA	6011					REMARKS
								PRESERVATIVE										
								NUMBER OF CONTAINERS SUBMITTED										
4/11/12	9:30	MW-1		X				3	2	2	2	1	3					
4/11/12	10:48	MW-2		X				3	2	2	2	1	3					"EQB-1"
04/10/12		EQB-1																← Sample was not listed on the COC same bottle types received.

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
[signature]	4/11/12	15:56	[signature]	4/11/12	1556			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
[signature]	4/11/12	1556						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
[signature]	04/12/12	0922	YES ○ NO ○		680 78497	0.6°C / 0.4°C

TAL 8240-680 (1008)

Serial Number 48827

ANALYSIS REQUEST AND CHAIN OF CUSTODY RECORD

TestAmerica

THE LEADER IN ENVIRONMENTAL TESTING

TestAmerica Savannah
5102 LaRoche Avenue
Savannah, GA 31404

Website: www.testamericainc.com
Phone: (912) 354-7858
Fax: (912) 352-0165

Alternate Laboratory Name/Location

Phone:
Fax:

PROJECT REFERENCE	PROJECT NO.	PROJECT LOCATION (STATE)
Key West NAS	11-2168	FL
TAL (LAB) PROJECT MANAGER	P.O. NUMBER 11-2168	CONTRACT NO.
CLIENT (SITE) PM Andrew Nixon	CLIENT PHONE 561-687-8200	CLIENT FAX 561-640-7375
CLIENT NAME Ardaman & Associates	CLIENT E-MAIL anixon@ardaman.com	
CLIENT ADDRESS 2200 N. Florida Mango Rd., #101, WPB, FL 33409		
COMPANY CONTRACTING THIS WORK (if applicable)		

PAGE ___ OF ___

STANDARD REPORT DELIVERY ●

DATE DUE _____

EXPEDITED REPORT DELIVERY (SURCHARGE) ○

DATE DUE _____

NUMBER OF COOLERS SUBMITTED PER SHIPMENT: 1

SAMPLE DATE	SAMPLE TIME	SAMPLE IDENTIFICATION	COMPOSITE (C) OR GRAB (G) INDICATE	AQUEOUS (WATER)	SOLID OR SEMISOLID	AIR	NONAQUEOUS LIQUID (OIL, SOLVENT, ...)	8260B	8270C	8082	FLPRO	J PCBs						REMARKS
								PRESERVATIVE										
								NUMBER OF CONTAINERS SUBMITTED										
4/10/12	9:07	SS-1			X			3	1	1	1	1						
4/10/12	13:30	SS-2			X			3	1	1	1	1						
		Trip Blank																

RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME	RELINQUISHED BY: (SIGNATURE)	DATE	TIME
	4/10/12			4/11/12	1300			
RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME	RECEIVED BY: (SIGNATURE)	DATE	TIME
	4/11/12	1056						

LABORATORY USE ONLY

RECEIVED FOR LABORATORY BY: (SIGNATURE)	DATE	TIME	CUSTODY INTACT	CUSTODY SEAL NO.	SAVANNAH LOG NO.	LABORATORY REMARKS
	04/12/12	0422	YES ○ NO ○		78497	REC IN Ft. Lauderdale 14°C 0.4°C

TA1.8240-680 (1008)

Login Sample Receipt Checklist

Client: Ardaman & Associates Inc.

Job Number: 680-78497-1
SDG Number: AKW01

Login Number: 78497
List Number: 1
Creator: Barnett, Eddie T

List Source: TestAmerica Savannah

Question	Answer	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	14 C.0/Ft Lauderdale 4/11/12, 0.4 C/TA Savannah 4/12/12
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
Is the Field Sampler's name present on COC?	N/A	
There are no discrepancies between the sample IDs on the containers and the COC.	False	EQB-1 sample, as well as trip blank sample -4, was not listed on the COC.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
Sample Preservation Verified.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Insufficient volume received for MS/MSD.
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	
Residual Chlorine Checked.	N/A	

Certification Summary

Client: Ardaman & Associates Inc.
Project/Site: Key West Naval Air Station - APR 2012

TestAmerica Job ID: 680-78497-1
SDG: AKW01

Laboratory	Authority	Program	EPA Region	Certification ID
TestAmerica Savannah	A2LA	DoD ELAP		0399-01
TestAmerica Savannah	A2LA	ISO/IEC 17025		399.01
TestAmerica Savannah	Alabama	State Program	4	41450
TestAmerica Savannah	Arkansas	State Program	6	N/A
TestAmerica Savannah	Arkansas DEQ	State Program	6	88-0692
TestAmerica Savannah	California	NELAC	9	3217CA
TestAmerica Savannah	Colorado	State Program	8	N/A
TestAmerica Savannah	Connecticut	State Program	1	PH-0161
TestAmerica Savannah	Florida	NELAC	4	E87052
TestAmerica Savannah	GA Dept. of Agriculture	State Program	4	N/A
TestAmerica Savannah	Georgia	State Program	4	803
TestAmerica Savannah	Georgia	State Program	4	N/A
TestAmerica Savannah	Guam	State Program	9	09-005r
TestAmerica Savannah	Hawaii	State Program	9	N/A
TestAmerica Savannah	Illinois	NELAC	5	200022
TestAmerica Savannah	Indiana	State Program	5	N/A
TestAmerica Savannah	Iowa	State Program	7	353
TestAmerica Savannah	Kentucky	State Program	4	90084
TestAmerica Savannah	Kentucky (UST)	State Program	4	18
TestAmerica Savannah	Louisiana	NELAC	6	30690
TestAmerica Savannah	Louisiana	NELAC	6	LA100015
TestAmerica Savannah	Maine	State Program	1	GA00006
TestAmerica Savannah	Maryland	State Program	3	250
TestAmerica Savannah	Massachusetts	State Program	1	M-GA006
TestAmerica Savannah	Michigan	State Program	5	9925
TestAmerica Savannah	Mississippi	State Program	4	N/A
TestAmerica Savannah	Montana	State Program	8	CERT0081
TestAmerica Savannah	Nebraska	State Program	7	TestAmerica-Savannah
TestAmerica Savannah	New Jersey	NELAC	2	GA769
TestAmerica Savannah	New Mexico	State Program	6	N/A
TestAmerica Savannah	New York	NELAC	2	10842
TestAmerica Savannah	North Carolina DENR	State Program	4	269
TestAmerica Savannah	North Carolina DHHS	State Program	4	13701
TestAmerica Savannah	Oklahoma	State Program	6	9984
TestAmerica Savannah	Pennsylvania	NELAC	3	68-00474
TestAmerica Savannah	Puerto Rico	State Program	2	GA00006
TestAmerica Savannah	Rhode Island	State Program	1	LAO00244
TestAmerica Savannah	South Carolina	State Program	4	98001
TestAmerica Savannah	Tennessee	State Program	4	TN02961
TestAmerica Savannah	Texas	NELAC	6	T104704185-08-TX
TestAmerica Savannah	USDA	Federal		SAV 3-04
TestAmerica Savannah	Vermont	State Program	1	87052
TestAmerica Savannah	Virginia	NELAC	3	460161
TestAmerica Savannah	Washington	State Program	10	C1794
TestAmerica Savannah	West Virginia	State Program	3	9950C
TestAmerica Savannah	West Virginia DEP	State Program	3	94
TestAmerica Savannah	Wisconsin	State Program	5	999819810
TestAmerica Savannah	Wyoming	State Program	8	8TMS-Q

Accreditation may not be offered or required for all methods and analytes reported in this package. Please contact your project manager for the laboratory's current list of certified methods and analytes.

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Key West NAS	SITE LOCATION: Key West
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 4/11/12

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 1.25	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (12 feet – 1.25 feet) X .16 gallons/foot = 1.7 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6	PURGING INITIATED AT: 10:15	PURGING ENDED AT: 10:31	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
10:19	1.0	1.0	.25	1.37	7.54	26.22	21720	7.8	10	clear	slt.
10:23	1.0	2.0		1.37	7.60	26.15	22565	6.9	9	"	"
10:27	1.0	3.0		1.37	7.88	26.11	23738	6.6	8	"	"
10:29	.5	3.5		1.37	7.13	26.20	24777	6.7	8	"	"
10:31	.5	4.0		1.37	7.43	26.23	25771	6.6	8	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: William Dunning/Ardaman	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 10:32	SAMPLING ENDED AT: 10:48
PUMP OR TUBING DEPTH IN WELL (feet): 6	TUBING MATERIAL CODE: PP	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-2	3	CG	40mL	None	N/A	N/A	8260B	SM	
"	2	AG	1L	"	"	"	8270C	APP	
"	2	AG	1L	"	"	"	8082	APP	
"	1	PP	250mL	HNO_3	"	"	4 RCRA	APP	
"	2	AG	1L	HCL	"	"	FLPRO	APP	
"	3	CG	40mL	HCL	"	"	8011	SM	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: Key West NAS		SITE LOCATION: Key West	
WELL NO: MW-1	SAMPLE ID: MW-1		DATE: 4/11/12

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 3/8	WELL SCREEN INTERVAL DEPTH: 2 feet to 12 feet	STATIC DEPTH TO WATER (feet): 2.09	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= (12 feet – 2.09 feet) X .16 gallons/foot = 1.6 gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 3	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 3	PURGING INITIATED AT: 8:57	PURGING ENDED AT: 9:13	TOTAL VOLUME PURGED (gallons): 4.0

TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (circle units) µmhos/cm or µS/cm	DISSOLVED OXYGEN (circle units) mg/L or % saturation	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
9:01	1.0	1.0	.25	2.21	7.40	25.41	8168	11.7	9	clear	none
9:05	1.0	2.0	↓	2.21	7.40	25.41	8107	11.0	9	"	"
9:09	1.0	3.0		2.21	7.55	25.41	7948	10.9	9	"	"
9:11	.5	3.5		2.21	7.05	25.42	7917	10.6	9	"	"
9:13	.5	4.0		2.21	6.95	25.43	7926	10.6	9	"	"

WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88
TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

PURGING EQUIPMENT CODES: B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; O = Other (Specify)

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: William Dunning/Ardaman	SAMPLER(S) SIGNATURE(S): [signature]	SAMPLING INITIATED AT: 9:14	SAMPLING ENDED AT: 9:30
PUMP OR TUBING DEPTH IN WELL (feet): 3	TUBING MATERIAL CODE: PP	FIELD-FILTERED: Y (N) Filtration Equipment Type:	FILTER SIZE: ____ µm
FIELD DECONTAMINATION: PUMP Y (N)	TUBING Y N (replaced)	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE	SAMPLE PUMP FLOW RATE (mL per minute)
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH			
MW-1	3	CG	40mL	None	N/A	N/A	8260B	SM	
"	2	AG	1L	"	"	"	8270C	APP	
"	2	AG	1L	"	"	"	8082	"	
"	1	PP	250mL	HNO_3	"	"	4 RCRA	"	
"	2	AG	1L	HCL	"	"	FLPRO	"	
"	3	CG	40mL	HCL	"	"	8011	SM	

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)

SAMPLING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); O = Other (Specify)

NOTES: 1. **The above do not constitute all of the information required by Chapter 62-160, F.A.C.**
2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)
pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

Revision Date: February 12, 2009

APPENDIX 3

SBG SUPPLIED INFORMATION

Ardaman & Associates, Inc.

Florida Department of Environmental Protection

Bob Martinez Center
2600 Blair Stone Road
Tallahassee, Florida 32399-2400

Charlie Crist
Governor

Jeff Kottkamp
Lt. Governor

Michael W. Sole
Secretary

March 16, 2010

Mr. Dana Hayworth, P.G.
Department of the Navy
Naval Facilities Engineering Command Southeast
Building 135, Ajax Street
Naval Air Station Jacksonville
Jacksonville Florida, 32212

Re: Soil and Groundwater Assessment Letter Report, Naval Air Station Key West-Boca Chica, Valve Vaults Bravo Taxi Way and Runway #7, Naval Air Station Key West, Florida

Dear Mr. Hayworth:

The Department has completed the technical review of the above referenced document dated November 20, 2009 (received January 8, 2010 via email) and has the following comments:

1. **General Comment:** The Department would like to recommend that the name for this site be established as, "Boca Chica Bravo Valve Pit and Runway #7 Valve Pit.

2. **Page 3, Groundwater and Data Summary, 1st paragraph:** Per 62-770, Petroleum Contamination Site Cleanup Criteria and 62-762, Above Ground Storage Tank Systems of the Florida Administrative Code (F.A.C.), the groundwater sampling method used is not correct. Sampling the groundwater in an open valve pit is not going to provide the correct analytical data to determine if groundwater contamination is present at this site. The Department requires that monitoring wells be installed in these source areas to determine if groundwater contamination is an issue.

3. **Page 3, Groundwater and Data Summary, 2nd and 3rd paragraphs:** Although the groundwater data collected in the open pit is not valid, the Department still requires the findings still to be addressed. The Department requires that the groundwater be sampled for the laboratory methods listed in 62-770 F.A.C., Table C entitled, "For used oil, for identified products not listed in the Gasoline or Kerosene Analytical Groups, and for products for which the specific identity is unknown". The Department's rationale behind this request is threefold:

   a. Even though the groundwater was not correctly sampled by CEI, the Navy is still required to determine if the petroleum and chlorinated solvent contaminants are not in the groundwater and soil at this site.

b. Per the email provided by NAS Key West on March 1, 2010, Malcolm Pirnie (United States Navy Unexploded Ordinance Contractor) the Bravo Valve Pit may be co-located adjacent to a former Rocket Launch Pad and Jet Engine Test Facility in the early 1960's. This former site could be a possible source for the chlorinated solvents found at this site.

c. Regardless of whether or not this site is an Environmental Restoration, Navy (ER,N) or a Non ER,N site the contamination at this site will need to be fully assessed and remediated by N.A.S. Key West.

4. **Page 6, Conclusions:** The Department does not concur with 1st conclusion listed in this section. CEI will need to correctly install monitoring wells and sample the groundwater at these sites prior to determining the correct path forward for this site.

If I can be of any further assistance with this matter, please contact me at (850) 245-8998.

Sincerely

Tracie L. Bolanos

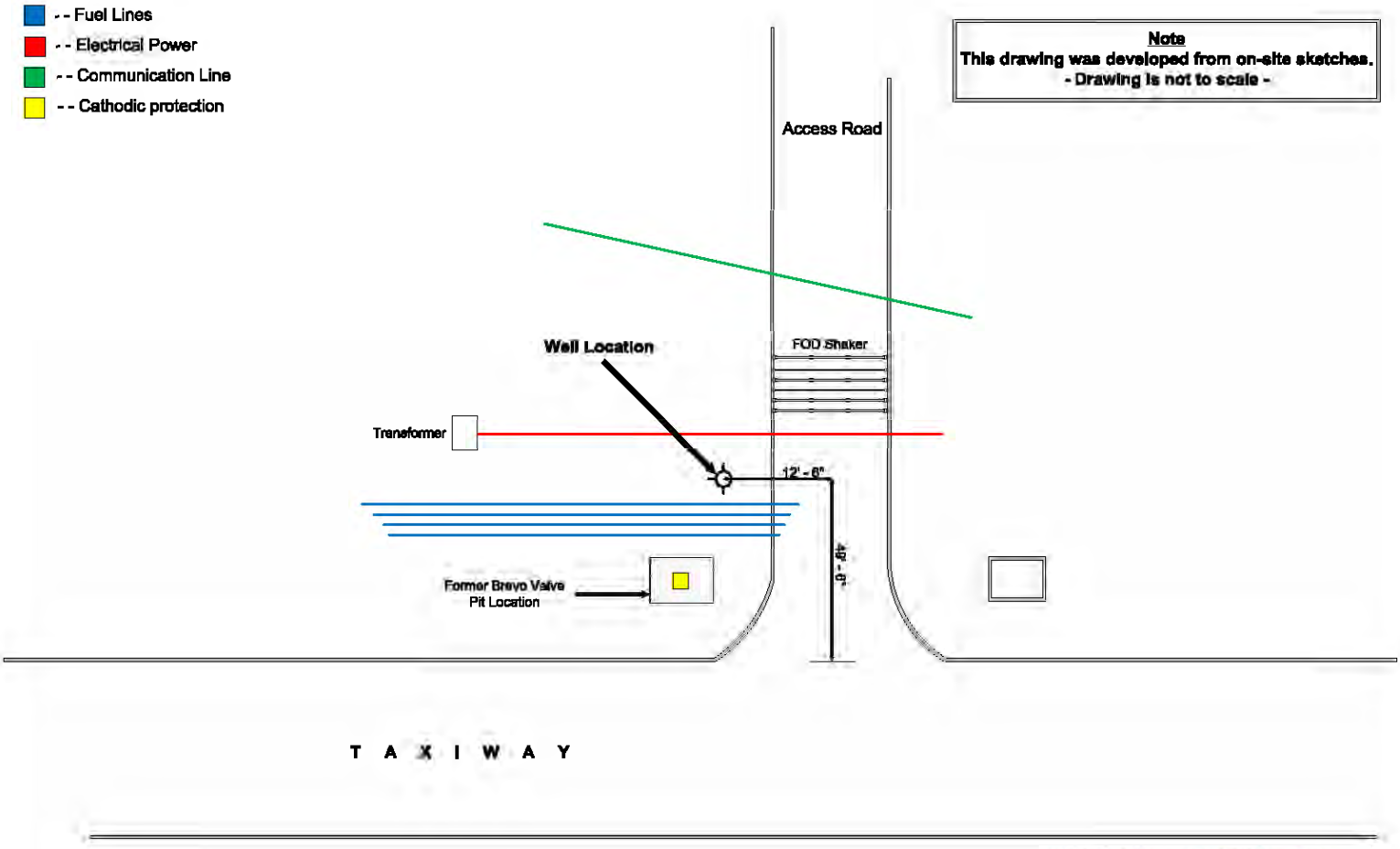
Tracie Lynn Bolanos
Remedial Project Manager
Federal Programs Section
Bureau of Waste Cleanup

cc: Mr. Robert Courtright, Naval Air Station Key West, Key West, Florida
Ms. Amy Twitty, CH2M Hill, Navarre Beach, Florida
Mr. Frank Nemec, South District Office, Fort Meyers, Florida

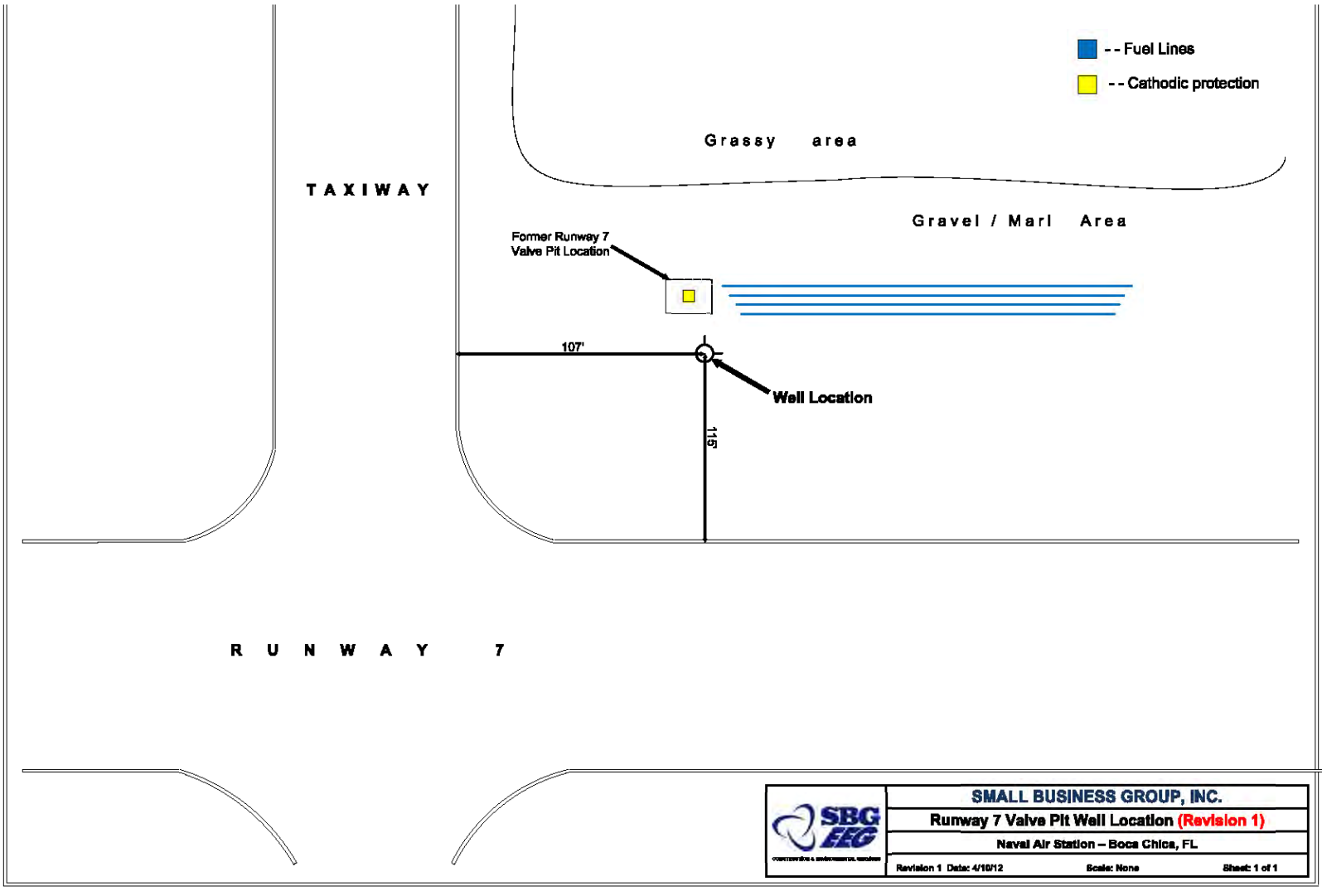
JJC ESN

- - Fuel Lines
- - Electrical Power
- - Communication Line
- - Cathodic protection

Note
This drawing was developed from on-site sketches.
- Drawing is not to scale -



SBG EEG	**SMALL BUSINESS GROUP, INC.**
	Bravo Valve Pit Well Location (Revision 1)
	Naval Air Station – Boca Chica, FL
	Revision 1 Date: 4/10/12 Scale: None Sheet: 1 of 1



SBG EEG	SMALL BUSINESS GROUP, INC.
	Runway 7 Valve Pit Well Location (Revision 1)
	Naval Air Station – Boca Chica, FL
	Revision 1 Date: 4/10/12 Scale: None Sheet: 1 of 1

NASKW Monitoring Wells April 2012

Bravo Valve Pit well location circled. Note yellow stanchion for fuel piping cathodic protection.

Bravo well after casing installation and during filter sand pack installation.

Bravo well being developed prior to sampling

Bravo well during drilling

Bravo well pad installation

Completed well MW-1 (former Bravo valve pit)

NASKW Monitoring Wells April 2012

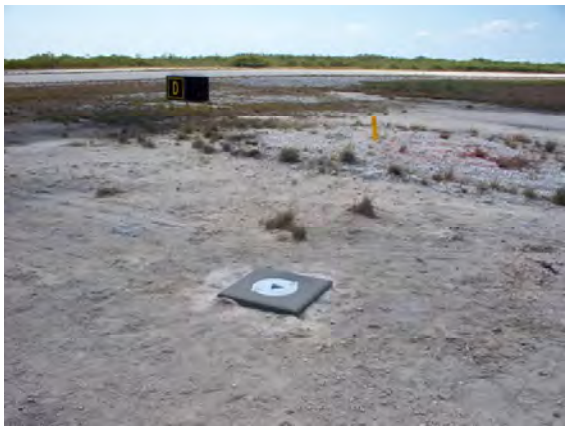
Runway 7 Valve Pit well location circled. Note yellow stanchion for fuel piping cathodic protection.

Split spoon sampling underway.

Runway 7 well pad installation

Runway 7 well during split spoon sampling.

Runway 7 well after well casing installation and during filter sand installation



Completed well MW-2 (former Runway 7 valve pit)

APPENDIX 4

WASTE DISPOSAL MANIFESTS

Ardaman & Associates, Inc.

Dade
(305) 477-7497

EMC Oil Corporation
P.O. Box 520882 - Miami, FL 33152

Toll Free
(800) 344-8688

UNIFORM WASTE TRANSPORTERS MANIFEST

NO HAZARDOUS MIXTURES ACCEPTED - READ BOTTOM OF MANIFEST

1. Generator's Name and Mailing Address: U S NAVAL AIR STATION, BLDG A 1125, KEY WEST FL 33040
PO#: 1431-033
2. Generator's Phone ( ) County of Origin (MONROE)

A. Manifest Document #: 69552
B. Generator's ID #: FL6170022952
EPA _____ STATE _____

3. Transporter 1 Company Name: EMC Oil Corporation
8470 N.W. 68th Street, Miami, FL 33166
4. US EPA ID Number: FLR000000166

C. State Transporter's ID: FLR000000166
D. Transporter's Phone: (305) 477-7497

5. Designated Facility Name and Site Address: CBI, 3030 N.W. So. River Dr., Miami, FL 33142
6. FLD 981770040

E. Dade County ID: SW-01124, LW-00227, LW-00233
F. Facility's Phone: 305-636-2030

GENERATOR

7. Waste shipping & name description (HM)	8. Containers No.	Type	9. Total Quantity	10. Unit Wt./Vol.	11. Price	G CHARGES
OILY WATER			165 gal		0.65	107.25
EMPTY DRS DISPOSAL	3	DM	ATT		10.00	30.00
SERVICE CHARGE					150.00	150.00

H. Additional Descriptions for Materials Listed Above

IMPORTANT: Payment due upon receipt of invoice. A service charge of 1½% (18% per annum) will be charged on over 30 days past due balance in the event it shall become necessary to collect the herein above sums or any part thereof, the purchaser agrees to pay all the replaceable cost thereof.

I. Total Due: $287.25

Please pay on this invoice within 15 days. Thank you.

12. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are all in respects in proper condition for transport by highway according to applicable international and national government regulations. I also confirm that the contents of this consignment contains no hazardous materials. (In the event that these products/material are found to be Hazardous, I accept the responsibility for its proper disposal under Federal and State Regulations, including any contamination caused through commingling.)

Printed Typed Name: Andrew Nixon | Signature | Month 5 Day 31 Year 12

TRANSPT

13. Transporter 1 Acknowledgment of Receipt of Materials

Printed Typed Name: GEORGE L VICENTE | Signature | Month 5 Day 31 Year 12

FACILITY

14. Facility Owner or Operator: Certification of receipt of waste material covered by this manifest.

Printed Typed Name: Andrea Cedeno | Signature | Month 6 Day 18 Year 12

Below 1000 ppm | Halogen Levels | Above 1000 ppm

Dear Generator: The following chemicals contain hazardous substances which when mixed with used oil reduces the recycling potential and can cause harmful effects to the environment.

DO NOT MIX WITH USED OIL
Antifreeze - Freon - Solvents - Thinner - Degreasers - Detergents - Cleaners - Radiator Fluid - Leaded Gasoline - Cutting Oil

CAN MIX WITH USED OIL
Motor Oil - Diesel Fuel - Grease - Brake Fluids - Hydraulic Fluids - Transmission Fluids

These lists are based on current information and may be expanded as more data becomes available. THANK YOU

WHITE - Original YELLOW - Transporter PINK - Transporter GOLDENROD - Generator

MC approval # 083415

NON-HAZARDOUS WASTE MANIFEST	1. Generator ID Number NONREGULATED	2. Page 1 of 1	3. Emergency Response Phone 1-800-424-0800	4. Waste Tracking Number 08529

5. Generator's Name and Mailing Address
EMC OIL CORP
8470 N.W. 68 STREET MIAMI FL 33166
305 477 7497

Generator's Site Address (if different than mailing address)

Generator's Phone:

6. Transporter 1 Company Name: EMC OIL CORP — U.S. EPA ID Number

7. Transporter 2 Company Name — U.S. EPA ID Number

8. Designated Facility Name and Site Address
CLIFF BERRY INCORPORATED
3039 N.W. SOUTH RIVER DRIVE MIAMI, FL 33142

U.S. EPA ID Number: FLD058560899

Facility's Phone: 305-638-2030

9. Waste Shipping Name and Description	10. Containers No.	10. Containers Type	11. Total Quantity	12. Unit Wt./Vol.
1. OILY WATER	001	TK	6000	gal
2.				
3.				
4.				

13. Special Handling Instructions and Additional Information

14. GENERATOR'S/OFFEROR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by the proper shipping name, and are classified, packaged, marked and labeled/placarded, and are in all respects in proper condition for transport according to applicable international and national governmental regulations.

Generator's/Offeror's Printed/Typed Name: Edwin Leon — Signature — Month 6 Day 18 Year 12

15. International Shipments ☐ Import to U.S. ☐ Export from U.S. Port of entry/exit:
Transporter Signature (for exports only): Date leaving U.S.:

16. Transporter Acknowledgment of Receipt of Materials
Transporter 1 Printed/Typed Name: Sergio A. Vicente — Signature — Month 6 Day 18 Year 12
Transporter 2 Printed/Typed Name — Signature — Month Day Year

17. Discrepancy
17a. Discrepancy Indication Space ☐ Quantity ☐ Type ☐ Residue ☐ Partial Rejection ☐ Full Rejection

Manifest Reference Number:

17b. Alternate Facility (or Generator) — U.S. EPA ID Number

Facility's Phone:

17c. Signature of Alternate Facility (or Generator) — Month Day Year

18. Designated Facility Owner or Operator: Certification of receipt of materials covered by the manifest except as noted in Item 17a
Printed/Typed Name: Alan F. — Signature — Month 6 Day 18 Year 12

GENERATOR — TRANSPORTER — INT'L — DESIGNATED FACILITY

169-BLC-O 5 11977 (Rev. 9/09) DESIGNATED FACILITY TO GENERATOR

FROM :EMC OIL CO FAX NO. :3054779410 Jul. 11 2012 03:33AM P4

Dade
(305) 477-7497

EMC Oil Corporation
P.O. Box 520882 - Miami, FL 33152

Toll Free
(800) 344-8688

UNIFORM WASTE TRANSPORTERS MANIFEST

NO HAZARDOUS MIXTURES ACCEPTED - READ BOTTOM OF MANIFEST

1. Generator's Name and Mailing Address — PO# 1431-033
U S NAVAL AIR STATION
BLDG A 1125, KEY WEST FL 33040
2. Generator's Phone ( ) — County of Origin (MONROE)

A. Manifest Document # 69554
B. Generator's ID #FL6170022952
EPA _____ STATE _____

3. Transporter 1 Company Name — 4. US EPA ID Number
EMC Oil Corporation
8470 N.W. 68th Street, Miami, FL 33166 — FLR000000166

C. State Transporter's ID FLR000000166
D. Transporter's Phone (305) 477-7497

5. Designated Facility Name and Site Address — 6.
MEDLEY LANDFILL
9350 NW 89 AVE
MEDLEY, FL 33178

E. Dade County ID SW-01124 LW-00227 LW-00233
F. Facility's Phone 305-883-7670

7. Waste shipping & name description (HM)	8. Containers No.	Type	9. Total Quantity	10. Unit Wt./Vol	11. Price	G CHARGES
NON REGULATED CONT. SOIL	4	DM	220	Gal	175.00	700.00

GENERATOR

H. Additional Descriptions for Materials Listed Above

IMPORTANT: Payment due upon receipt of invoice. A service charge of 1½% (18% per annum) will be charged on over 30 days past due balance in the event it shall become necessary to collect the herein above sums or any part thereof, the purchaser agrees to pay all the replaceable cost thereof.

I. Total Due 700.00

Please pay on this invoice within 15 days. Thank you.

12. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are all in respects in proper condition for transport by highway according to applicable international and national government regulations. I also confirm that the contents of this consignment contains no hazardous materials. (In the event that these products/material are found to be Hazardous, I accept the responsibility for its proper disposal under Federal and State Regulations, including any contamination caused through commingling.)

Printed Typed Name: X Andrew Nixon — Signature: X — Month Day Year: 5 3 12

TRANSPT

13. Transporter 1 Acknowledgment of Receipt of Materials

Printed Typed Name: GEORGE L. VICENTE — Signature: — Month Day Year: 5 3 12

FACILITY

14. Facility Owner or Operator: Certification of receipt of waste material covered by this manifest.

Printed Typed Name: Andrea Cedeno — Signature: — Month Day Year: 10 22 12

Halogen Levels: Below 1000 ppm — Above 1000 ppm

Dear Generator: The following chemicals contain hazardous substances which when mixed with used oil reduces the recycling potential and can cause harmful effects to the environment.

DO NOT MIX WITH USED OIL
Antifreeze - Freon - Solvents - Thinner - Degreasers - Detergents - Cleaners - Radiator Fluid - Leaded Gasoline - Cutting Oil

CAN MIX WITH USED OIL
Motor Oil - Diesel Fuel - Grease - Brake Fluids - Hydraulic Fluids - Transmission Fluids

These lists are based on current information and may be expanded as more data becomes available. THANK YOU

WHITE - Original YELLOW - Transporter PINK - Transporter GOLDENROD - Generator

MC approval # 083415

NON-HAZARDOUS MANIFEST

2. Page 1 of

A. Manifest Number: WMNA 00750340

B. State Generator's ID

C. State Transporter's ID

D. Transporter's Phone

E. State Transporter's ID

F. Transporter's Phone

G. State Facility ID

H. State Facility Phone: 305.883.7670

3. Generator's Mailing Address

166

4. Generator's Phone: 305.473.9420

A ID Number

A ID Number

PA ID Number

MIDDLEY LANDFILL
9350 NW 89 AVENUE
MIDDLEY, FLORIDA 33178

13. Containers No.	Type	14. Total Quantity	15. Unit Wt./Vol.	Misc. Comments

NON HAZARDOUS SOLID NON-WASTE

Profile #

Profile #

Profile #

Profile #

K. Disposal Location:

Cell | Level

Grid

CONT # 2819102

CONTACT / PHONE NO.

Purchase Order #

ted by 40 CFR Part 261 or over applicable state law, have been fully and
rtation according to applicable regulations.

Month 10 Day 22 Year 12

Andrea Cedeno

Month 10 Day 22 Year 12

Printed Name: Juan C Ortiz

Month | Day | Year

Printed Name

dge, the above-described waste was managed in compliance with all

vered by this manifest.

Month 10 Day 22 Year 12

Printed Name | Signature

2 COPY

#1 COPY

Yellow-GENERATOR #1 COPY

White-TRANSPORTER, STORAGE, TREATMENT, DISPOSAL FACILITY COPY

Blue-GENERATOR

Pink-FACILITY USE ONLY

Gray-TRANSPORTER