FINAL
ANNUAL MONITORING REPORT
JP-5 LINE AREA
MARINE CORPS BASE, CAMP LEJEUNE
ONSLOW COUNTY, NORTH CAROLINA

Prepared for:

DEPARTMENT OF THE NAVY
Contract No.

Atlantic Division
Naval Facilities Engineering Command
6506 Hampton Boulevard
Building A (South East Wing) 3rd Floor
Norfolk, VA 23508

Submitted by:

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Task Order 0011
Shaw Project No. 845823
January 2004

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TABLE OF CONTENTS

1.0 INTRODUCTION 1-1

1.1 CAMP LEJEUNE MARINE CORPS BASE LOCATION AND DESCRIPTION 1-1

1.2 JP-5 LINE AREA SITE DESCRIPTION 1-2

2.0 CONTAMINATION INVESTIGATION HISTORY 2-1

2.1 JP-5 LINE AREA 2-1

2.2 CORRECTIVE ACTION PLAN 2-1

3.0 REMEDIAL SYSTEM OPERATION AND MONITORING 3-1

3.1 GROUNDWATER RECOVERY/TREATMENT SYSTEM OPERATION 3-1

3.1.1 SYSTEM REPAIR AND TROUBLESHOOTING 3-2

3.1.2 SYSTEM-DERIVED WASTE 3-2

3.2 REMEDIAL SYSTEM MONITORING 3-2

3.2.1 GROUNDWATER ELEVATION MEASUREMENTS 3-2

3.2.2 GROUNDWATER TREATMENT SYSTEM MONITORING 3-2

3.2.3 GROUNDWATER SAMPLING AND ANALYSES MONITORING 3-3

4.0 REMEDIATION SYSTEM MONITORING RESULTS 4-1

4.1 GROUNDWATER ELEVATION MEASUREMENTS 4-1

4.2 GROUNDWATER SAMPLING AND ANALYSIS 4-1

4.2.1 GROUNDWATER TREATMENT SYSTEM ANALYTICAL RESULTS 4-1

4.2.2 MONITORING WELL ANALYTICAL RESULTS 4-2

5.0 CONCLUSIONS AND RECOMMENDATIONS 5-1

Tables

Table 2.1: Site Rehabilitation Goals
Table 3.1: Soil and Water Transportation and Disposal Log
Table 3.2: Groundwater Elevation Table
Table 4.1: Groundwater Treatment System Analytical Results
Table 4.2: Groundwater Analytical Results

Figures

Figure 1.1: Vicinity Map
Figure 1.2: Site Map
Figure 4.1: Groundwater Elevation Map, September 23, 1998
Figure 4.2: Groundwater Elevation Map, March 22, 1999
Figure 4.3: Groundwater Elevation Map, March 23, 2000
Figure 4.4: Groundwater Elevation Map, June 19, 2001
Figure 4.5: Groundwater Elevation Map, March 19, 2002

APPENDIX A: GROUNDWATER TREATMENT SYSTEM LABORATORY ANALYTICAL REPORTS
APPENDIX B: GROUNDWATER LABORATORY ANALYTICAL REPORTS

1.0 INTRODUCTION

From February 1998 through April 2002, J.A. Jones Environmental Services Company (J.A. Jones) implemented the selected approach as outlined in the Corrective Action Plan (CAP) for the JP-5 Line Area submitted by O'Brian & Gere Engineers in June of 1991. Based upon the recommendations of the CAP, a free product recovery system and a groundwater extraction and treatment system were installed in February of 1994. A long-term monitoring (LTM) program was also recommended in the CAP.

Annual monitoring reports have not been completed for this site. The Department of the Navy Atlantic Division, Naval Facilities Engineering Command (NAVFACENGCOM), has retained Shaw Environmental, Inc. to complete this Annual Monitoring Report.

This annual monitoring report describes system operation and monitoring results collected from February 1998 through April 2002 from the groundwater recovery and treatment system installed at the JP-5 Line Area site to remediate a release of petroleum. The report is being submitted in accordance with the Corrective Action Plan dated June 1991 and is in compliance with *Groundwater Section Guidelines for the Investigation and Remediation of Soil and Groundwater, Volume II, Petroleum Underground Storage Tanks*, published by the State of North Carolina's Department of Environment and Natural Resources (NCDENR) Division of Water Quality dated April 2001.

The report provides a brief history of the environmental history of the site, summarizes the corrective action plan, and describes the installation and operation of the recommended remedial alternative. The report provides a discussion of monitoring results of the groundwater recovery and treatment system operation and the status of groundwater quality compared to baseline data.

1.1 CAMP LEJEUNE MARINE CORPS BASE LOCATION AND DESCRIPTION

Located in Onslow County, North Carolina, Marine Corps Base (MCB) Camp Lejeune is a training base for the United States Marine Corps. The base covers approximately 236 square miles (153,000 acres) and includes 14 miles of coastline. MCB Camp Lejeune is bound to the southeast by the Atlantic Ocean and to the northeast by State Route 24. Wooded areas are located north, east, and west of the site. The town of Jacksonville, North Carolina is located north of the Base (*Figure 1.1).*

1.2 JP-5 LINE AREA SITE DESCRIPTION

The JP-5 Line Area is located at Marine Corps Air Station New River. Several parking lots and a helicopter hanger occupy this area. *Figure 1.2* provides a layout of the JP-5 Line Area.

2.0 CONTAMINATION INVESTIGATION HISTORY

2.1 JP-5 LINE AREA

In the early 1980s, several environmental investigations completed at the site, identified leaks in the JP-5 fuel line. Upon discovery of the leak the pipeline was shut down and fuel was trucked from the fuel farm to day tanks at the flight line. During the summer of 1984 the pipeline was replaced. Results of these investigations identified both dissolved phase contamination and free product in the vicinity of the JP-5 fuel line.

In May of 1986 a site assessment was conducted by ATEC Associates, Inc. to identify the extent of JP-5 fuel contamination in the JP-5 Line Area. An interim remedial system to remove free product from the area was installed in October 1986. Operation of the interim system was terminated in 1987 due to hangar construction activities. A total of 4,043 gallons of JP-5 fuel was recovered by the interim system.

2.2 CORRECTIVE ACTION PLAN

A Corrective Action Plan (CAP) for the JP-5 Line Area was submitted by O'Brian & Gere Engineers in June of 1991. Based upon the recommendations of the CAP, a free product recovery system and a groundwater extraction and treatment system were installed in February of 1994. A long-term monitoring (LTM) program was also recommended in the CAP.

The following three remedial goals were developed for the site:

- Remove free-phase product from the subsurface to the extent practicable,
- Prevent further migration of contaminated groundwater,
- Rehabilitate the groundwater by removing any dissolved petroleum constituents in concentrations exceeding North Carolina's groundwater quality standards.

Table 2.1 presents the analytes of concern, their respective target concentrations, and current contaminant concentrations at the site.

3.0 REMEDIAL SYSTEM OPERATION AND MONITORING

From 1998 through March 2002, J.A. Jones provided Long Term Monitoring (LTM), operation, and maintenance of the free product recovery and groundwater treatment systems at the site. On July 19, 2000 J.A. Jones shut down the treatment system based on recommendations provided by Radian under the JP-5 Treatment System Optimization Study. The recommendations had previously received approval from the North Carolina Department of Environment and Natural Resources. AFVR events were performed on an as needed basis when product thickness was equal to or greater than 0.1 feet in the recovery well. The monitoring requirements of the JP-5 Line Area included monthly monitoring of free product levels in 11 wells and quarterly groundwater sampling and analysis from five wells.

On August 7, 2000 a passive product skimmer was installed in recovery well RW-1 to assist with free product recovery. On October 17, 2000 J.A. Jones completed the closure of the abandoned fuel line and a closure report was completed February 13, 2001.

3.1 GROUNDWATER RECOVERY/TREATMENT SYSTEM OPERATION

The recovery system at the JP-5 Line Area was in operation from February 1994 to July 2000. The remedial system was designed to recover free product and to remediate contaminated groundwater. Contaminated groundwater was recovered from two wells; treated using an oil/water separator, air stripping, followed by carbon adsorption; and discharged to the Base wastewater treatment plant (WWTP).

During the groundwater recovery system operation, approximately 1,840,000 gallons of groundwater was recovered and treated prior to disposal at the Base WWTP. During this time an estimated 0.5 gallons of dissolved petroleum hydrocarbons was recovered.

The free product recovery system consisted of two recovery wells (RW-1 and RW-2) located within the contaminant plume. The recovery wells were designed to prevent the migration of contamination, recover free product, and extract contaminated groundwater. Free product was recovered from the recovery wells through the use of pneumatic pumps. A controller that established pumping rates and optimized free product recovery set the operation cycle of the pumps.

Starting in August 1999, AFVR actions were conducted at the recovery wells to enhance the removal of free product. AFVR events were completed f product thickness was

equal to or greater than 0.1 feet in a recovery well. The recovery wells RW-1 and RW-2 were gauged weekly for product thickness.

3.1.1 SYSTEM REPAIR AND TROUBLESHOOTING

During operation of the system, no major modifications or upgrades were performed. Non-scheduled operations and maintenance events were periodically required to troubleshoot equipment and to repair and adjust remedial system equipment. Maintenance work performed on the system included the replacement of product recovery lines and recovery well pumps. These replacements, along with the routine maintenance schedule were required to maximize the effectiveness and efficiency of the free product recovery and groundwater treatment system.

3.1.2 SYSTEM-DERIVED WASTE

Between April 1999 and December 2001approximately 51,450 gallons of groundwater from monitoring well development and AFVR events has been transported and disposed. In addition, a total of 36 tons of soil generated from soil cuttings accumulated during vertical drilling was also disposed. System-derived waste generated from AFVR activities has been treated at the Shaw North Treatment Facility. The transportation and disposal log, presented as *Table 3.1*, provides the complete history of the waste material accumulated during construction activities as well as recovered groundwater during treatment system operation including the transporter, waste treatment destination, date of shipment, volume and/or weight.

3.2 REMEDIAL SYSTEM MONITORING

3.2.1 GROUNDWATER ELEVATION MEASUREMENTS

Depth to groundwater measurements were collected under static (i.e., system not operating) groundwater conditions following a one week period of treatment system shut down in preparation for the groundwater sampling event. The depth to groundwater measurement results are presented in *Table 3.2*.

3.2.2 GROUNDWATER TREATMENT SYSTEM MONITORING

In addition to the monitoring activities performed at the recovery and monitoring wells, samples are collected monthly from the effluent of the oil-water separator, the air stripper, the first activated carbon adsorption unit, and the second activated carbon adsorption unit (i.e., treatment system effluent).

The treatment system samples were delivered by overnight carrier to Paradigm and analyzed for volatile aromatic hydrocarbons using USEPA Method 602, and polynuclear aromatic hydrocarbons using USEPA Method 625.

3.2.3 GROUNDWATER SAMPLING AND ANALYSES MONITORING

LTM of the JP-5 Line Area included monthly monitoring of free product levels in 11 wells (2 recovery wells and 9 monitoring wells) and quarterly sampling of groundwater from five monitoring wells.

Groundwater samples were collected quarterly from groundwater monitoring wells OBG-4, OBG-5, MW-7, MW-8, and MW-13. Groundwater samples were delivered by overnight carrier to Paradigm and analyzed for volatile aromatic hydrocarbons using USEPA Methods 601 and 602 and polynuclear aromatic hydrocarbons using USEPA Method 625.

4.0 REMEDIATION SYSTEM MONITORING RESULTS

Depths to groundwater measurements have been collected monthly from select monitoring wells at the site. Groundwater samples have been collected for analysis from monitoring wells OBG-4, OBG-5, MW-7, MW-8, and MW-13 on a quarterly schedule.

4.1 GROUNDWATER ELEVATION MEASUREMENTS

The depth to groundwater has ranged from 2.0 feet bls to over 13 feet bls in monitoring wells at the site. Groundwater elevations have ranged from 12.5 feet National Geodetic Vertical Datum (NGVD) to 20 feet NGVD in the monitoring wells. Based on the historical groundwater elevation measurements, the groundwater flow direction is to the northeast with a gradient of approximately 0.02 ft/ft. Static (i.e., system not operating) groundwater elevation contour maps for September 23, 1998, March 22, 1999, March 23, 2000, June 19, 2001, and March 19, 2002 are provided in *Figures 4.1* through *4.5*. Groundwater elevation measurements are summarized in *Table 3.2*.

Dating back to 1998 free phase product has been observed in three on-site wells (W-10, RW-1 and RW-2). Monitoring well W-10 displayed approximately 0.9 feet from April through July 1998. By September 1998 AFVR events conducted at W-10 had removed product from the well. Product has not been measured in monitoring well W-10 since October 1998. Recovery well RW-2 consistently displayed product from April 1998 to July 1999. Measured product thickness ranged from 0.02 feet in July 1999 to 4.3 feet in April 1998. Recovery well RW-1 consistently displayed the presence of free product from April 1998 through April 2002. Measured product thickness has decreased from a high of 7.8 feet in April 1998 to 0.6 feet in April 2002. Depth to product measurements are provided in *Table 3.2*.

4.2 GROUNDWATER SAMPLING AND ANALYSIS

4.2.1 Groundwater Treatment System Analytical Results

The effluent from the groundwater treatment system was sampled monthly beginning in July 1998 until the system was shut down in May 2000. The system effluent analytical results remained below laboratory quantitation limits for all contaminants of concern during operation of the system. *Table 4.1* presents a summary of analytical results. *Appendix A* provides copies of the laboratory analytical reports from the groundwater treatment system sampling events.

4.2.2 Monitoring Well Analytical Results

Groundwater sample collection and analysis was completed quarterly beginning in March 1998 and continued through March 2002. Groundwater samples were collected from monitoring wells OBG-4, OBG-5, MW-7, MW-8, and MW-13. Based on laboratory analytical results VOCs were not detected above the method quantitation limit in any of the groundwater samples dating back to March 1998.

Bis(2-ethylhexyl)phthalate, naphthalene, 1-methylnaphthalene, and 2-methylnaphthalene were the only SVOCs detected in groundwater samples collected from the five wells. And these compounds have not been detected since the September 23, 1998 sampling event. Bis(2-ethylhexyl)phthalate is primarily used as a plasticizer in polyvinyl chloride resigns and as a non plasticizer used as a replacement for PCBs in dielectric fluids for electric capacitors. It is also found in analytical results as a false positive caused by one of the following sources: sample containers, handling plastics during extractions, plastic sheeting and gloves used in the field and laboratory, plastic wrapping of pipets and other lab supplies, and tygon tubing. Also, the occurrence of the compound appears to be inconsistent for individual wells. For this reason, Shaw does not believe that the source of bis(2-ethylhexyl)phthalate is related to the JP-5 Fuel Line area.

Table 4.2 presents a summary of the detected contaminant concentrations in the groundwater samples collected from the monitoring wells. *Appendix B* provides copies of the laboratory analytical reports from the groundwater monitoring well sampling events.

5.0 CONCLUSIONS AND RECOMMENDATIONS

The persistent presence of measurable free product in well RW-1 requires that free product recovery efforts be continued in the JP-5 Line Area. Free product recovery rates have diminished since installation of the interim groundwater recovery system in 1986. Use of AFVR at the site has proven to be the most effective and efficient method (coupled with the use of the passive skimmer) to enhance product recovery when free product is observed in RW-1. Groundwater/free product measurements should continue to be recorded on a weekly basis at the recovery wells (RW-1 and RW-2). When free phase product is observed in a well at a thickness greater than 0.1 feet, an AFVR event will be completed at the well.

Groundwater samples have not detected VOC concentrations exceeding groundwater standards dating back to March 1998 and SVOCs (with the exception of bis(2ethylhexyl)phthalate) dating back to September 1998. The bis(2ethylhexyl)phthalate is thought to be a laboratory introduced cross-contamination, and not a site contaminant. Therefore, the Navy recommends discontinuing groundwater sample collection and analysis from monitoring wells OBG-4, OBG-5, MW-7, MW-8 and MW-13.

Because of the persistence of free phase product in RW-1 and the history of free phase product in RW-2 and W-10 (located adjacent to RW-2), Shaw recommends quarterly groundwater sample collection and analysis from RW-1 and RW-2 (when free product has been removed) and OBG-3 (located between RW-1 and RW-2. The samples will be analyzed for volatile aromatic hydrocarbons using USEPA Methods 601 and 602 and polynuclear aromatic hydrocarbons using USEPA Method 625. It should be noted that Catlin is currently evaluating remedial system operation performance. Remedial system enhancements/optimization recommendations will be developed following completion of the evaluation.

TABLES

TABLE 2.1

MCB CAMP LEJEUNE
JP-5 LINE AREA ANNUAL REPORT
GROUNDWATER
SITE REHABILITATION GOALS

ANALYTE	1998 MAXIMUM CONCENTRATION	2002 MAXIMUM CONCENTRATION	TARGET CONCENTRATION (NORTH CAROLINA STANDARDS)*
Benzene	BQL	BQL	1 ppb
Toluene	BQL	BQL	1000 ppb
Ethylbenzene	BQL	BQL	29 ppb
Xylenes	BQL	BQL	530 ppb
Naphthalene	39 ppb	BQL	21
1-Methylnaphthalene	16 ppb	BQL	Detection Limit
2-Methylnaphthalene	28 ppb	BQL	28

ppb parts per billion
* Goals of remediation are to achieve target concentrations or less

Table 3-1 TRANSPORTATION AND DISPOSAL LOG
J.A. JONES ENVIRONMENTAL SERVICES COMPANY
MCAS NEW RIVER, NORTH CAROLINA
PROJECT NUMBER: 005-067f

GALLONS TO DATE	**51,455.50**
TONS TO DATE	**36.00**
DRUMS TO DATE	**10.00**

DATE SHIPPED	DISPOSAL FACILITY	HAULER	TONS	GALLONS	DRUMS	MANIFEST NUMBER	LOAD NUMBER	COMMENTS
				JP-5 Line				
4/22/1999	ES&J Enterprises 1555 Holland Rd. Autryville, North Carolina	ES&J Enterprises	18			834	S-001	Petroleum Contaminated Soil from Storage Tank Spill
4/22/1999	ES&J Enterprises 1555 Holland Rd. Autryville, North Carolina	ES&J Enterprises	18			836	S-002	Petroleum Contaminated Soil from Storage Tank Spill
5/27/1999	Fisher Industrial Service, Inc 402 Webster Chapel Rd Glencoe, AL 35905	Envirochem			7	195	D-001	Petroleum Contaminated Water from Storage Tank Spill
5/27/1999	Fisher Industrial Service, Inc 402 Webster Chapel Rd Glencoe, AL 35905	Envirochem			3	195	D-002	Empty Drums
8/18/1999	Building 976 North Plant	J.A. Jones		738		821	W-001	AFVR
9/1/1999	Building 976 North Plant	J.A. Jones		627.5		821	W-002	AFVR
1/28/2000	Building 976 North Plant	J.A. Jones		735		821	W-003	AFVR
3/27/2000	Shaw North Plant	J.A. Jones		400		821	W-004	AFVR
4/27/2000	Shaw North Plant	J.A. Jones		2,220		821	W-005	AFVR
5/11/2000	Shaw North Plant	J.A. Jones		2,215		1018	W-006	AFVR
5/31/2000	Shaw North Plant	J.A. Jones		1,875		948	W-007	AFVR
6/20/000	Shaw North Plant	J.A. Jones		2,270		958	W-008	AFVR
6/29/2000	Shaw North Plant	J.A. Jones		2,483		961	W-009	AFVR
7/13/2000	Shaw North Plant	J.A. Jones		2,242		967	W-010	AFVR
11/16/2000	Shaw North Plant	J.A. Jones		2,373		1053	W-011	AFVR
1/17/2001	Shaw North Plant	J.A. Jones		2,345		1288	W-012	AFVR
2/28/2001	Shaw North Plant	J.A. Jones		2,108		1298	W-013	AFVR
3/30/2001	Shaw North Plant	J.A. Jones		2,361		1453	W-014	AFVR
4/25/2001	Shaw North Plant	J.A. Jones		3,159		2544	W-015	AFVR
5/29/2001	Shaw North Plant	J.A. Jones		3,554		2569	W-016	AFVR
6/27/2001	Shaw North Plant	J.A. Jones		3,159		2597	W-017	AFVR
8/27/2001	Shaw North Plant	J.A. Jones		3,370		2647	W-018	AFVR
10/2/2001	Shaw North Plant	J.A. Jones		2,966		2671	W-019	AFVR
10/29/2001	Shaw North Plant	J.A. Jones		3,340		2692	W-020	AFVR
11/26/2001	Shaw North Plant	J.A. Jones		3,510		2684	W-021	AFVR
12/12/2001	Shaw North Plant	J.A. Jones		3,405		2725	W-022	AFVR
TOTAL as of 4/31/02			**36.00**	**48,050.50**	**10.00**	**SOIL:**	**2**	**Loads**
						WATER:	**22**	**Loads**
						DRUMS:	**2**	**Loads**

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	4/12/2002			3/19/2002			2/14/2002		
		Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			Not Measured			Not Measured			3.28	
OBG-4	21.09		7.41	13.68		7.15	13.94		7.44	13.65
OBG-5	22.88		5.84	17.04		5.84	17.04		6.19	16.69
OBG-6	21.63		5.90	15.73		5.82	15.81		6.02	15.61
W-2	24.29		6.81	17.48		6.72	17.57		Not Measured	
W-7	26.50		6.80	19.70		6.72	19.78		6.74	19.76
W-8	26.52		11.41	15.11		11.52	15.00		11.90	14.62
W-10	25.88		5.88	20.00		5.72	20.16		5.93	19.95
W-13			5.71			5.69			5.98	
RW-1		5.55	6.12		5.51	6.15		5.68	6.29	
RW-2			7.68			7.51			7.62	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR event

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	12/18/2001			12/12/01[1]			11/26/01[2]		
		Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			Not Measured			Not Measured			Not Measured	
OBG-4	21.09		8.03	13.06		8.41	12.68		8.85	12.24
OBG-5	22.88		7.20	15.68		7.69	15.19		8.38	14.50
OBG-6	21.63		7.36	14.27		8.38	13.25		8.65	12.98
W-2	24.29		Not Measured			7.53	16.76		Not Measured	
W-7	26.50		7.58	18.92		7.89	18.61		Not Measured	
W-8	26.52		12.94	13.58		13.60	12.92		Not Measured	
W-10	25.88		6.55	19.33		7.20	18.68		Not Measured	
W-13			6.55			7.00			7.40	
RW-1		6.42	6.50			Not Measured			10.47	
RW-2			8.40			Not Measured			Not Measured	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	11/26/01[1]			10/29/01[2]			10/29/01[1]		
		Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			Not Measured			Not Measured	Not Measured		Not Measured	Not Measured
OBG-4	21.09		8.05	13.04		8.58	12.51		7.79	13.30
OBG-5	22.88		7.23	15.65		8.03	14.85		6.92	15.96
OBG-6	21.63		7.83	13.80		8.00	13.63		7.31	14.32
W-2	24.29		Not Measured			Not Measured			Not Measured	
W-7	26.50		Not Measured			Not Measured			Not Measured	
W-8	26.52		Not Measured			Not Measured			Not Measured	
W-10	25.88		Not Measured			Not Measured			Not Measured	
W-13			6.65			7.10			6.33	
RW-1		6.50	6.75		6.10	10.95		6.10	6.50	
RW-2			Not Measured			Not Measured			Not Measured	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		10/02/01[2]			10/02/01[1]			9/24/2001		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			Not Measured	Not Measured		Not Measured	Not Measured		Not Measured	Not Measured
OBG-4	21.09		7.91	13.18		7.20	13.89		6.90	
OBG-5	22.88		7.28	15.60		6.25	16.63		5.80	17.08
OBG-6	21.63		7.30	14.33		6.62	15.01		6.26	15.37
W-2	24.29		Not Measured			Not Measured			6.98	17.31
W-7	26.50		Not Measured			Not Measured			7.15	19.35
W-8	26.52		Not Measured			Not Measured			11.23	15.29
W-10	25.88		Not Measured			Not Measured			6.23	19.65
W-13			6.40			5.70			5.16	
RW-1		5.45	9.10		5.45	6.33			6.42	
RW-2			Not Measured			Not Measured		5.24	6.08	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	8/27/01[2]			8/27/01[1]			7/26/01[2]		
		Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			Not Measured			Not Measured			Not Measured	
OBG-4	21.09		7.46	13.63		6.76	14.33		7.03	7.30
OBG-5	22.88		6.93	15.95		5.51	17.37		Not Measured	
OBG-6	21.63		6.50	15.13		5.70	15.93		5.90	10.03
W-2	24.29		6.88	17.41		6.87	17.42		6.68	10.74
W-7	26.50		6.90	19.60		6.89	19.61		6.35	13.26
W-8	26.52		11.23	15.29		10.88	15.64		11.38	4.26
W-10	25.88		6.10	19.78		6.01	19.87		5.28	14.59
W-13			5.78			5.18			5.53	
RW-1			9.20		5.02	5.52			9.23	
RW-2			Not Measured			Not Measured			Not Measured	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		7/26/01[1]			6/27/01[1]			6/19/2001		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			Not Measured			Not Measured			6.42	
OBG-4	21.09		6.79	7.54		6.33	14.76		6.54	14.55
OBG-5	22.88		5.43	11.94		5.03	17.85		5.25	17.63
OBG-6	21.63		5.61	10.32		5.02	16.61		5.28	16.35
W-2	24.29		6.60	10.82		6.35	17.94		6.42	17.87
W-7	26.50		6.25	13.36		6.13	20.37		6.20	20.30
W-8	26.52		10.95	4.69		8.14	18.38		9.45	17.07
W-10	25.88		5.14	14.73		5.15	20.73		5.30	20.58
W-13			5.18			4.75			4.85	
RW-1		4.98	5.50		4.65	4.95		4.90	5.05	
RW-2			Not Measured			6.70			6.95	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		5/29/01[2]			5/29/01[1]			4/25/01[2]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			Not Measured			Not Measured			3.42	
OBG-4	21.09		7.97	13.12		7.12	13.97		7.90	13.19
OBG-5	22.88		7.50	15.38		6.10	16.78		6.50	16.38
OBG-6	21.63		7.21	14.42		6.82	14.81		7.69	13.94
W-2	24.29		Not Measured			Not Measured			6.50	17.79
W-7	26.50		5.76	20.74		6.65	19.85		7.40	19.10
W-8	26.52		7.26	19.26		6.78	19.74		11.70	14.82
W-10	25.88		4.95	20.93		5.10	20.78		5.35	20.53
W-13			6.46			5.27			6.40	
RW-1			9.72		5.56	5.92			10.45	
RW-2			8.68			7.46			9.35	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		4/25/01[1]			3/30/01[2]			3/30/01[1]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.40			2.32			2.26	
OBG-4	21.09		6.93	14.16		7.22	13.87		6.35	14.74
OBG-5	22.88		5.83	17.05		6.21	16.67		5.12	17.76
OBG-6	21.63		6.68	14.95		6.80	14.83		7.93	13.70
W-2	24.29		6.78	17.51		5.63	18.66		5.55	18.74
W-7	26.50		7.38	19.12		5.59	20.91		5.52	20.98
W-8	26.52		11.52	15.00		9.26	17.26		9.13	17.39
W-10	25.88		6.02	19.86		4.40	21.48		4.26	21.62
W-13			5.50			5.71			5.03	
RW-1		5.45	5.80			11.56		4.76	4.86	
RW-2			7.50			8.53			7.65	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		3/19/2001			2/28/01[2]			2/28/01[1]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.96			2.42			2.42	
OBG-4	21.09		6.64	14.45		7.60	13.49		6.65	14.44
OBG-5	22.88		5.41	17.47		6.24	16.64		5.26	17.62
OBG-6	21.63		6.13	15.50		6.83	14.80		5.92	15.71
W-2	24.29		6.65	17.64		6.00	18.29		5.93	18.36
W-7	26.50		6.61	19.89		5.55	20.95		5.62	20.88
W-8	26.52		10.27	16.25		10.75	15.77		10.57	15.95
W-10	25.88		5.06	20.82		4.63	21.25		4.60	21.28
W-13			5.23			6.05			5.13	
RW-1		4.93	5.35			9.07		5.10	5.56	
RW-2			7.04			8.76			7.10	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		1/17/01[2]			1/17/01[1]			12/20/2000		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.40			3.45			3.14	
OBG-4	21.09		7.79	13.30		6.99	14.10		6.55	14.54
OBG-5	22.88		Not Measured			Not Measured			5.47	17.41
OBG-6	21.63		7.62	14.01		6.70	14.93		6.09	15.54
W-2	24.29		6.74	17.55		6.75	17.54		6.87	17.42
W-7	26.50		6.38	20.12		6.36	20.14		6.18	20.32
W-8	26.52		11.85	14.67		11.50	15.02		10.12	16.40
W-10	25.88		4.93	20.95		4.91	20.97		5.02	20.86
W-13			6.33			5.78			5.18	
RW-1			9.19		5.58	6.04		5.10	5.35	
RW-2			9.15			7.57			7.03	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		11/16/00[2]			11/16/00[1]			9/18/2000		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			4.14			4.12			3.27	
OBG-4	21.09		8.01	13.08		7.32	13.77		6.34	14.75
OBG-5	22.88		6.92	15.96		6.28	16.60		5.28	17.60
OBG-6	21.63		7.87	13.76		7.02	14.61		5.83	15.80
W-2	24.29		7.60	16.69		7.62	16.67		6.67	17.62
W-7	26.50		7.75	18.75		7.76	18.74		7.15	19.35
W-8	26.52		12.13	14.39		11.96	14.56		9.82	16.70
W-10	25.88		6.76	19.12		6.77	19.11		6.25	19.63
W-13			6.51			5.86			4.60	
RW-1			9.43		5.65	5.85		4.75	4.88	
RW-2			10.52			7.98			7.24	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		7/13/00[2]			7/13/00[1]			6/29/00[2]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.76			3.72			3.16	
OBG-4	21.09		8.15	12.94		7.45	13.64		7.84	13.25
OBG-5	22.88		7.65	15.23		6.62	16.26		Not Measured	
OBG-6	21.63		8.93	12.70		7.39	14.24		8.23	13.40
W-2	24.29		7.13	17.16		7.11	17.18		6.69	17.60
W-7	26.50		7.73	18.77		7.70	18.80		7.40	19.10
W-8	26.52		12.62	13.90		12.23	14.29		12.29	14.23
W-10	25.88		7.19	18.69		7.01	18.87		6.48	19.40
W-13			6.63			6.02			6.23	
RW-1			9.10		5.77	6.15			8.09	
RW-2			10.35			8.16			9.44	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		6/29/00[1]			6/20/00[2]			6/20/00[1]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.26			2.71			2.65	
OBG-4	21.09		7.14	13.95		7.77	13.32		7.18	13.91
OBG-5	22.88		Not Measured			7.33	15.55		6.18	16.70
OBG-6	21.63		7.11	14.52		8.19	13.44		6.93	14.70
W-2	24.29		6.72	17.57		6.59	17.70		6.50	17.79
W-7	26.50		7.36	19.14		7.30	19.20		7.35	19.15
W-8	26.52		11.76	14.76		12.35	14.17		11.82	14.70
W-10	25.88		6.32	19.56		6.15	19.73		6.14	19.74
W-13			5.80			6.45			5.35	
RW-1		5.52	5.65			8.18		5.51	5.90	
RW-2			8.40			9.27			8.60	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		5/31/00[2]			5/31/00[1]			5/25/2000		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.80			3.73			3.27	
OBG-4	21.09		7.73	13.36		7.03	14.06		6.89	14.20
OBG-5	22.88		6.53			5.98	16.90		Not Measured	
OBG-6	21.63		8.22	13.41		7.09	14.54		6.93	14.70
W-2	24.29		7.29	17.00		7.27	17.02		6.72	17.57
W-7	26.50		7.67	18.83		7.65	18.85		7.58	18.92
W-8	26.52		11.86	14.66		11.60	14.92		11.30	15.22
W-10	25.88		6.51	19.37		6.27	19.61		6.12	19.76
W-13			6.30			5.60			5.41	
RW-1			8.30		5.45	5.50		5.30	5.34	
RW-2			10.20			8.20			9.13	

Notes:
t = feet
oc = top of casing elevation
msl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		5/11/00[2]			5/11/00[1]			4/26/00[2]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			2.98			2.91			2.21	
OBG-4	21.09		7.18	13.91		6.51	14.58		7.20	13.89
OBG-5	22.88		Not Measured			Not Measured			5.95	16.93
OBG-6	21.63		7.62	14.01		6.40	15.23		7.45	14.18
W-2	24.29		6.38	17.91		6.32	17.97		6.38	17.91
W-7	26.50		7.22	19.28		7.20	19.30		6.02	20.48
W-8	26.52		10.79	15.73		10.46	16.06		10.38	16.14
W-10	25.88		5.98	19.90		5.91	19.97		5.62	20.26
W-13			5.75			4.80			5.72	
RW-1			7.40		4.89	5.07			8.90	
RW-2			8.83			7.65			9.20	

Notes:
t = feet
oc = top of casing elevation
msl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		4/26/00[1]			4/17/2000			3/27/00[2]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			2.21			2.37			2.64	
OBG-4	21.09		5.49	15.60		6.61	14.48		6.75	14.34
OBG-5	22.88		5.23	17.65		5.43	17.45		5.79	17.09
OBG-6	21.63		6.22	15.41		6.33	15.30		6.50	15.13
W-2	24.29		6.34	17.95		6.24	18.05		6.29	18.00
W-7	26.50		5.93	20.57		5.97	20.53		6.59	19.91
W-8	26.52		9.98	16.54		10.13	16.39		10.78	15.74
W-10	25.88		5.57	20.31		5.30	20.58		5.19	20.69
W-13			5.02			4.98			5.37	
RW-1		5.82	6.92		4.80	5.70			7.29	
RW-2			7.90			8.15			11.12	

Notes:
: = feet
oc = top of casing elevation
msl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		3/27/00[1]			3/23/2000			3/7/00[2]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			2.64			2.76			3.39	
OBG-4	21.09		6.75	14.34		NOT MEASURED			7.40	13.69
OBG-5	22.88		5.79	17.09		5.53	17.35		7.15	15.73
OBG-6	21.63		6.50	15.13		6.13	15.50		7.37	14.26
W-2	24.29		6.29	18.00		6.72	17.57		6.87	17.42
W-7	26.50		6.59	19.91		6.20	20.30		7.21	19.29
W-8	26.52		10.78	15.74		10.40	16.12		11.50	15.02
W-10	25.88		5.19	20.69		5.22	20.66		5.44	20.44
W-13			5.36			5.06			NOT MEASURED	
RW-1		5.00	5.30		5.15	5.33			8.54	
RW-2			9.16			8.34			8.90	

lotes:
: = feet
)c = top of casing elevation
ısl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		3/7/00[1]			2/23/2000			1/27/2000		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.41			3.15			2.57	
OBG-4	21.09		6.85	14.24		6.64	14.45		6.75	14.34
OBG-5	22.88		6.93	15.95		5.69	17.19		5.45	17.43
OBG-6	21.63		6.91	14.72		6.68	14.95		6.54	15.09
W-2	24.29		6.93	17.36		6.80	17.49		6.53	17.76
W-7	26.50		7.21	19.29		6.98	19.52		5.43	21.07
W-8	26.52		11.36	15.16		10.96	15.56		9.28	17.24
W-10	25.88		5.15	20.73		5.50	20.38		4.98	20.90
W-13			NOT MEASURED			5.28			5.25	
RW-1		5.18	3.60		5.02	5.72		4.92	5.95	
RW-2			8.62			8.92			2.13	

Notes:
t = feet
oc = top of casing elevation
msl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		12/28/1999			11/18/1999			10/22/1999		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.68			3.42			1.96	
OBG-4	21.09		7.40	13.69		6.68	14.41		5.66	15.43
OBG-5	22.88		6.55	16.33		5.63	17.25		4.61	18.27
OBG-6	21.63		7.69	13.94		6.55	15.08		5.43	16.20
W-2	24.29		7.30	16.99		7.58	16.71		6.45	17.84
W-7	26.50		7.36	19.14		7.59	18.91		7.56	18.94
W-8	26.52		11.66	14.86		9.09	17.43		6.31	20.21
W-10	25.88		6.63	19.25		6.85	19.03		5.35	20.53
W-13			5.94			5.17			Not Measured	
RW-1			7.40		9.54	10.31			14.22	
RW-2			8.96			8.96			Not Measured	

Notes:
t = feet
oc = top of casing elevation
msl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		9/23/1999		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			1.96	
OBG-4	21.09		5.96	15.13
OBG-5	22.88		4.73	18.15
OBG-6	21.63		5.66	15.97
W-2	24.29		6.31	17.98
W-7	26.50		5.48	21.02
W-8	26.52		5.96	20.56
W-10	25.88		5.61	20.27
W-13			4.49	
RW-1		6.40	7.00	
RW-2			14.12	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		9/1/99[2]			9/1/99[1]		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			2.55			2.51	
OBG-4	21.09		7.24	13.85		7.07	14.02
OBG-5	22.88		5.96	16.92		5.75	17.13
OBG-6	21.63		6.51	15.12		6.15	15.48
W-2	24.29		6.80	17.49		6.80	17.49
W-7	26.50		6.17	20.33		6.10	20.40
W-8	26.52		7.18	19.34		7.11	19.41
W-10	25.88		6.12	19.76		5.59	20.29
W-13			Not Measured			Not Measured	
RW-1			6.10		6.15	6.80	
RW-2			9.22			4.90	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		8/17/99[2]			8/17/99[1]			7/22/1999		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.58			3.58			2.89	
OBG-4	21.09		7.75	13.34		7.64	13.45		7.05	14.04
OBG-5	22.88		6.93	15.95		6.65	16.23		6.86	16.02
OBG-6	21.63		7.51	14.12		7.21	14.42		6.64	14.99
W-2	24.29		7.18	17.11		7.20	17.09		6.80	17.49
W-7	26.50		8.02	18.48		8.03	18.47		7.23	19.27
W-8	26.52		12.14	14.38		12.07	14.45		8.66	17.86
W-10	25.88		8.05	17.83		7.36	18.52		6.42	19.46
W-13			Not Measured			Not Measured			Not Measured	
RW-1			6.75		6.00	6.23		4.63	8.82	
RW-2			10.80			8.56		7.82	7.84	

Notes:
t = feet
oc = top of casing elevation
msl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		6/16/1999			5/20/1999			4/26/1999		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.42			2.88			Not Measured	
OBG-4	21.09		7.41	13.68		6.74	14.35		7.19	13.90
OBG-5	22.88		9.21	13.67		8.35	14.53		8.87	14.01
OBG-6	21.63		6.48	15.15		6.17	15.46		6.71	14.92
W-2	24.29		3.80	20.49		6.82	17.47		7.15	17.14
W-7	26.50		7.44	19.06		7.06	19.44		7.63	18.87
W-8	26.52		10.57	15.95		7.38	19.14		7.20	19.32
W-10	25.88		6.24	19.64		5.90	19.98		6.55	19.33
W-13			5.76			5.37			Not Measured	
RW-1		8.65	12.27		7.20	10.89		8.46	13.02	
RW-2		8.32	8.35		7.52	7.54			8.11	

Notes:
t = feet
oc = top of casing elevation
msl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		3/22/1999			1/22/1999			12/22/1998		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			2.36			3.31			3.22	
OBG-4	21.09		7.18	13.91		8.09	13.00		8.02	13.07
OBG-5	22.88		7.72	15.16		9.71	13.17		9.69	13.19
OBG-6	21.63		6.12	15.51		8.21	13.42		8.31	13.32
W-2	24.29		6.45	17.84		4.30	19.99		4.35	19.94
W-7	26.50		5.79	20.71		6.35	20.15		6.92	19.58
W-8	26.52		6.96	19.56		7.26	19.26		9.79	16.73
W-10	25.88	Trace	5.02	20.86	Trace	6.33	19.55	6.78	6.79	19.10
W-13			5.76			8.46			8.51	
RW-1		4.80	10.16		11.59	12.67		12.67	13.69	
RW-2			9.40			14.17		8.94	8.98	

Notes:
t = feet
oc = top of casing elevation
msl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		10/21/1998			9/23/1998			7/21/1998		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.85			3.24			3.62	
OBG-4	21.09		7.21	13.88		6.27	14.82		6.87	14.22
OBG-5	22.88		9.03	13.85		7.90	14.98		6.72	16.16
OBG-6	21.63		7.07	14.56		8.17	13.46		6.62	15.01
W-2	24.29		5.10	19.19		4.45	19.84		3.93	20.36
W-7	26.50		7.85	18.65		7.31	19.19		6.91	19.59
W-8	26.52		9.25	17.27		8.88	17.64		7.09	19.43
W-10	25.88		7.62	18.26	Trace	6.84	19.04	6.40	7.28	19.48
W-13			6.68			5.74			6.26	
RW-1		5.13	8.12		4.25	6.18		5.83	8.53	
RW-2		8.33	8.37			7.05		7.03	8.01	

lotes:
: = feet
oc = top of casing elevation
nsl = mean sea level
Initial water level survey prior to AFVR event
Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		6/25/1998			5/25/1998			4/29/1998		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			3.85			Not Measured			2.15	
OBG-4	21.09		6.62	14.47		Not Measured			6.43	14.66
OBG-5	22.88		8.69	14.19		Not Measured			8.37	14.51
OBG-6	21.63		6.49	15.14		Not Measured			6.78	14.85
W-2	24.29		3.82	20.47		Not Measured			3.75	20.54
W-7	26.50		7.19	19.31		Not Measured			7.16	19.34
W-8	26.52		7.02	19.50		Not Measured			7.09	19.43
W-10	25.88	6.36	7.25	19.52		Not Measured		5.87	6.74	20.01
W-13			6.14			Not Measured			6.05	
RW-1		4.31	8.60		3.75	11.42		3.44	11.23	
RW-2		7.37	8.33		6.08	10.35		6.49	10.80	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 3.2
JP-5 Line Area
Marine Corps Air Station
New River, North Carolina
Groundwater Level Measurement Summary

		3/9/1998		
Sample Point	Top of Casing Elevation (ft., msl)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
OBG-2			0.79	
OBG-4	21.09		5.32	15.77
OBG-5	22.88		6.95	15.93
OBG-6	21.63		5.60	16.03
W-2	24.29		2.85	21.44
W-7	26.50		5.31	21.19
W-8	26.52		5.10	21.42
W-10	25.88		4.61	21.27
W-13			4.98	
RW-1			Not Measured	
RW-2			Not Measured	

Notes:
ft = feet
toc = top of casing elevation
msl = mean sea level
[1] Initial water level survey prior to AFVR event
[2] Final water level survey following AFVR even

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	OWS-E							
		Event	UST4141-OWS-E-00B3	UST4141-OWS-E-00B2	UST4141-OWS-E-00B1	UST4141-OWS-E-00A3^	UST4141-OWS-E-00A2^	UST4141-OWS-E-00A1	UST4141-OWS-E-99D3	UST4141-OWS-E-99D2
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/20/2000 *	5/25/2000	4/18/2000 *	3/23/2000 *	2/23/2000 *	1/31/2000 *	12/28/1999 *	11/18/1999 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	**2**	**2**	BQL
Toluene	1000		**23**	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		**10**	BQL	BQL	BQL	**3**	**18**	**18**	**6**
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	**48**	**57**	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	**15**	BQL	BQL
1-Methylnaphthalene	Detection Limit		**24**	BQL	BQL	BQL	BQL	**110**	**51**	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	**65**	**13**	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

Detected concentrations above the regulatory limits are indicated by shading.

NA indicates that the sample was not analyzed for the constituent.

BQL = Below Laboratory Quntitation Limits

* verified with laboratory data package

Sample Locations:

OWS-E: Oil /Water Seperator Effluent

AS-E: Air Stripper Effluent

ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	OWS-E							
		Event	UST4141-OWS-E-99D1	UST4141-OWS-E-99C3	UST4141-OWS-E-99C2	UST4141-OWS-E-99C1	UST4141-OWS-E-99B3	UST4141-OWS-E-99B2	UST4141-OWS-E-99A4	UST4141-OWS-E-99A3
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/22/1999 *	9/23/1999 *	8/19/1999 *	7/30/1999 *	6/16/1999 *	5/18/1999 *	4/26/1999 *	3/22/1999 *
Benzene	1		BQL	BQL	BQL	**2**	**2**	**3**	**2**	BQL
Ethylbenzene	29		BQL	**2**	**2**	**6**	**16**	**17**	**16**	BQL
Toluene	1000		BQL	BQL	BQL	**3**	**1**	**3**	**4**	BQL
Total Xylenes	530		**2**	**7**	**27**	**70**	**64**	**88**	**96**	**4**
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	**26**	**17**	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	**10**	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	**17**	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	**79**	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	**13**	**30**	**46**	**110**	BQL	**21**	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	**94**	BQL	BQL	BQL

Notes:

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Detected concentrations are indicated in boldface type.

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Sample Locations:

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ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	OWS-E							
		Event	UST4141-OWS-E-99A2	UST4141-OWS-E-99A1	UST4141-OWS-E-98D3	UST4141-OWS-E-98D2	UST4141-OWS-E-98D1	UST4141-OWS-E-98C3	UST4141-OWS-E-98C2	UST4141-OWS-E-98C1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	2/22/1999 *	1/21/1999 *	12/21/1998	11/23/1998	10/29/1998	9/25/1998	8/28/1998	7/28/1998
Benzene	1		BQL	**2**	**4**	BQL	**4**	**2**	**2**	**2**
Ethylbenzene	29		**7**	**3**	**10**	**3**	**26**	**3**	**2**	**1**
Toluene	1000		BQL	**1**	**1**	BQL	**4**	**3**	BQL	BQL
Total Xylenes	530		**40**	**23**	**45**	**19**	**126**	**20**	**12**	**12**
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	**130**	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		**48**	BQL	BQL	**22**	**130**	BQL	BQL	BQL
2-Methylnaphthalene	28		**44**	BQL	BQL	BQL	**150**	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

Detected concentrations above the regulatory limits are indicated by shading.

NA indicates that the sample was not analyzed for the constituent.

BQL = Below Laboratory Quntitation Limits

* verified with laboratory data package

Sample Locations:

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AS-E: Air Stripper Effluent

ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	AS-E							
		Event	UST4141-AS-E-00B3	UST4141-AS-E-00B2	UST4141-AS-E-00B1	UST4141-AS-E-00A3^	UST4141-AS-E-00A2^	UST4141-AS-E-00A1	UST4141-AS-E-99D3	UST4141-AS-E-99D2
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/20/2000 *	5/25/2000	4/18/2000 *	3/23/2000 *	2/23/2000 *	1/31/2000 *	12/28/1999 *	11/18/1999 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	**28**	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

Detected concentrations above the regulatory limits are indicated by shading.

NA indicates that the sample was not analyzed for the constituent.

BQL = Below Laboratory Quntitation Limits

* verified with laboratory data package

Sample Locations:

OWS-E: Oil /Water Seperator Effluent

AS-E: Air Stripper Effluent

ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	AS-E							
		Event	UST4141-AS-E-99D1	UST4141-AS-E-99C3	UST4141-AS-E-99C2	UST4141-AS-E-99C1	UST4141-AS-E-99B3	UST4141-AS-E-99B2	UST4141-AS-E-99A4	UST4141-AS-E-99A3
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/22/1999 *	9/23/1999 *	8/19/1999 *	7/30/1999 *	6/16/1999 *	5/18/1999 *	4/26/1999 *	3/22/1999 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

Detected concentrations above the regulatory limits are indicated by shading.

NA indicates that the sample was not analyzed for the constituent.

BQL = Below Laboratory Quntitation Limits

* verified with laboratory data package

Sample Locations:

OWS-E: Oil /Water Seperator Effluent

AS-E: Air Stripper Effluent

ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	AS-E							
		Event	UST4141-AS-E-99A2	UST4141-AS-E-99A1	UST4141-AS-E-98D3	UST4141-AS-E-98D2	UST4141-AS-E-98D1	UST4141-AS-E-98C3	UST4141-AS-E-98C2	UST4141-AS-E-98C1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	2/22/1999 *	1/21/1999 *	12/21/1998	11/23/1998	10/29/1998	9/25/1998	8/28/1998	7/28/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

Detected concentrations above the regulatory limits are indicated by shading.

NA indicates that the sample was not analyzed for the constituent.

BQL = Below Laboratory Quntitation Limits

* verified with laboratory data package

Sample Locations:

OWS-E: Oil /Water Seperator Effluent

AS-E: Air Stripper Effluent

ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	ACA1							
		Event	UST4141-ACA1-E-00B3	UST4141-ACA1-E-00B2	UST4141-ACA1-E-00B1	UST4141-ACA1-E-00A3^	UST4141-ACA1-E-00A2^	UST4141-ACA1-E-00A1	UST4141-ACA1-E-99D3	UST4141-ACA1-E-99D2
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/20/2000 *	5/25/2000	4/18/2000 *	3/23/2000 *	2/23/2000 *	1/31/2000 *	12/28/1999 *	11/18/1999 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	**12**	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

Detected concentrations above the regulatory limits are indicated by shading.

NA indicates that the sample was not analyzed for the constituent.

BQL = Below Laboratory Quntitation Limits

* verified with laboratory data package

Sample Locations:

OWS-E: Oil /Water Seperator Effluent

AS-E: Air Stripper Effluent

ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	ACA1								
		Event	UST4141-ACA1-E-99D1	UST4141-ACA1-E-99C3	UST4141-ACA1-E-99C2	UST4141-ACA1-E-99C1	UST4141-ACA1-E-99B3	UST4141-ACA1-E-99B2	UST4141-ACA1-E-99A4	UST4141-ACA1-E-99A3	UST4141-ACA1-E-99A2
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/22/1999 *	9/23/1999 *	8/19/1999 *	7/30/1999 *	6/16/1999 *	5/18/1999 *	4/26/1999 *	3/22/1999 *	2/22/1999 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L											
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	**16**	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

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Sample Locations:

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AS-E: Air Stripper Effluent

ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	ACA1						
		Event	UST4141-ACA1-E-99A1	UST4141-ACA1-E-98D3	UST4141-ACA1-E-98D2	UST4141-ACA1-E-98D1	UST4141-ACA1-E-98C3	UST4141-ACA1-E-98C2	UST4141-ACA1-E-98C1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/21/1999 *	12/21/1998	11/23/1998	10/29/1998	9/25/1998	8/28/1998	7/28/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L									
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

Detected concentrations above the regulatory limits are indicated by shading.

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Sample Locations:

OWS-E: Oil /Water Seperator Effluent

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EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	EFF							
		Event	UST4141-EFF-E-00B3	UST4141-EFF-E-00B2	UST4141-EFF-E-00B1	UST4141-EFF-E-00A3^	UST4141-EFF-E-00A2^	UST4141-EFF-E-00A1	UST4141-EFF-E-99D3	UST4141-EFF-E-99D2
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/20/2000 *	5/25/2000	4/18/2000 *	3/23/2000 *	2/24/2000 *	1/31/2000 *	12/28/1999 *	11/18/1999 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

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EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	EFF							
		Event	UST4141-EFF-E-99D1	UST4141-EFF-E-99C3	UST4141-EFF-E-99C2	UST4141-EFF-E-99C1	UST4141-EFF-E-99B3	UST4141-EFF-E-99B2	UST4141-EFF-E-99A4	UST4141-EFF-E-99A3
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/22/1999 *	9/23/1999 *	8/19/1999 *	7/30/1999 *	6/16/1999 *	5/18/1999 *	4/26/1999 *	3/22/1999 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

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Sample Locations:

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ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-1
Summary of Detected Concentrations
Groundwater Recovery and Treatment System Samples
JP-5 Line Area

Parameter	NCDENR	Sample ID	EFF							
		Event	UST4141-EFF-E-99A2	UST4141-EFF-E-99A1	UST4141-EFF-98D3	UST4141-EFF-98D2	UST4141-EFF-98D1	UST4141-EFF-98C3	UST4141-EFF-98C2	UST4141-EFF-98C1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	2/22/1999 *	1/21/1999 *	12/21/1998	11/23/1998	10/29/1998	9/25/1998	8/28/1998	7/28/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Semi-Volitile Organic Compounds by USEPA Method 625, ug/L										
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Fluoranthene	280		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL	BQL	BQL

Notes:

^ Recovery well RW-1 was not operational during the sampling event.

Detected concentrations are indicated in boldface type.

Detected concentrations above the regulatory limits are indicated by shading.

NA indicates that the sample was not analyzed for the constituent.

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Sample Locations:

OWS-E: Oil /Water Seperator Effluent

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ACA1-E: Activated Carbon Adsorption Unit Number One Effluent

EFF: Final Effluent from Groundwater Treatment System

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	OBG-4					
		Sample ID	USTAS4141-OBG04-02D	USTAS4141-OBG04-02C	USTAS4141-OBG04-02B	USTAS4141-OBG04-02A	USTAS4141-OBG04-01D	USTAS4141-OBG04-01C
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	12/2/2002 *#	9/18/2002 #	6/19/2002 *#	3/19/2002 *#	12/18/2001 *#	9/24/2001 #
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		**14**	BQL	**23**	**18**	BQL	**23**
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
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BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	OBG-4					
		Sample ID	USTAS4141-OBG04-01B	USTAS4141-OBG04-01A	USTAS4141-OBG04-00D	USTAS4141-OBG04-00C	USTAS4141-OBG04-00B	USTAS4141-OBG04-00A
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/19/2001 *#	3/19/2001 *#	12/20/2000 *#	9/18/2000 *#	6/20/2000 *#	3/23/2000 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		**45**	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	OBG-4					
		Sample ID	USTAS4141-OBG04-99D	USTAS4141-OBG04-99C	USTAS4141-OBG04-99B	USTAS4141-OBG04-99A	USTAS4141-OBG04-98D	USTAS4141-OBG04-98C
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	12/28/1999 *#	9/23/1999 *#	6/16/1999 #	3/22/1999 *#	12/21/1998	9/23/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	**39**
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	**16**
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	**28**

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
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* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	OBG-4		OBG-5			
		Sample ID	USTAS4141-OBG04-98B	USTAS4141-OBG04-98A	USTAS4141-OBG05-02D	USTAS4141-OBG05-02C	USTAS4141-OBG05-02B	USTAS4141-OBG05-02A
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/25/1998	3/9/1998	12/2/2002 *#	9/18/2002 #	6/19/2002 *#	3/19/2002 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	**50**	**31**	**42**	**22**
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	OBG-5					
		Sample ID	USTAS4141-OBG05-01D	USTAS4141-OBG05-01C	USTAS4141-OBG05-01B	USTAS4141-OBG05-01A	USTAS4141-OBG05-00D	USTAS4141-OBG05-00C
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	12/18/2001 *#	9/24/2001 #	6/19/2001 *#	3/19/2001 *#	12/20/2000 *#	9/18/2000 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		**25**	**41**	**13**	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	OBG-5					
		Sample ID	USTAS4141-OBG05-00B	USTAS4141-OBG05-00A	USTAS4141-OBG05-99D	USTAS4141-OBG05-99C	USTAS4141-OBG05-99B	USTAS4141-OBG05-99A
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/20/2000 *#	3/23/2000 *#	12/28/1999 *#	9/23/1999 *#	6/16/1999 #	3/22/1999 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	OBG-5				MW-7	
		Sample ID	USTAS4141-OBG05-98D	USTAS4141-OBG05-98C	USTAS4141-OBG05-98B	USTAS4141-OBG05-98A	USTAS4141-MW07-02D	USTAS4141-MW07-02C
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	12/21/1998	9/23/1998	6/25/1998	3/9/1998	12/2/2002 *#	9/18/2002 #
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	**290**	**23**
Naphthalene	21		BQL	**32**	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	**11**	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	**24**	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-7					
		Sample ID	USTAS4141-MW07-02B	USTAS4141-MW07-02A	USTAS4141-MW07-01D	USTAS4141-MW07-01C	USTAS4141-MW07-01B	USTAS4141-MW07-01A
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/19/2002 *#	3/19/2002 *#	12/18/2001 *#	9/24/2001 #	6/19/2001 *#	3/19/2001 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		**250**	**110**	**180**	**100**	**140**	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-7					
		Sample ID	USTAS4141-MW07-00D	USTAS4141-MW07-00C	USTAS4141-MW07-00B	USTAS4141-MW07-00A	USTAS4141-MW07-99D	USTAS4141-MW07-99C
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	12/20/2000 *#	9/18/2000 *#	6/20/2000 *#	3/23/2000 *#	12/28/1999 *#	9/23/1999 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	**24**	**10**
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-7					
		Sample ID	USTAS4141-MW07-99B	USTAS4141-MW07-99A	USTAS4141-MW07-98D	USTAS4141-MW07-98C	USTAS4141-MW07-98B	USTAS4141-MW07-98A
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/16/1999 #	3/22/1999 *#	12/21/1998	9/23/1998	6/25/1998	3/9/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		**15**	**21**	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-8					
		Sample ID	USTAS4141-MW08-02D	USTAS4141-MW08-01C	USTAS4141-MW08-01B	USTAS4141-MW08-01A	USTAS4141-MW08-01D	USTAS4141-MW08-01C
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	12/2/2002 *#	9/18/2002 #	6/19/2002 *#	3/19/2002 *#	12/18/2001 *#	9/24/2001 #
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		**23**	**34**	**30**	**70**	**48**	**38**
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-8					
		Sample ID	USTAS4141-MW08-01B	USTAS4141-MW08-01A	USTAS4141-MW08-00D	USTAS4141-MW08-00C	USTAS4141-MW08-00B	USTAS4141-MW08-00A
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/19/2001 *#	3/19/2001 *#	12/20/2000 *#	9/18/2000 *#	6/20/2000 *#	3/23/2000 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		**29**	**11**	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-8					
		Sample ID	USTAS4141-MW08-99D	USTAS4141-MW08-99C	USTAS4141-MW08-99B	USTAS4141-MW08-99A	USTAS4141-MW08-98D	USTAS4141-MW08-98C
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	12/28/1999 *#	9/23/1999 *#	6/16/1999 #	3/22/1999 *#	12/21/1998	9/23/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	**11**
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-8		MW-13			
		Sample ID	USTAS4141-MW08-98B	USTAS4141-MW08-98A	USTAS4141-MW13-02D	USTAS4141-MW13-01C	USTAS4141-MW13-01B	USTAS4141-MW13-01A
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/25/1998	3/9/1998	12/2/2002 *#	9/18/2002 #	6/19/2002 *#	3/19/2002 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	**380**	BQL	**74**	**47**
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-13					
		Sample ID	USTAS4141-MW13-01D	USTAS4141-MW13-01C	USTAS4141-MW13-01B	USTAS4141-MW13-01A	USTAS4141-MW13-00D	USTAS4141-MW13-00C
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	12/18/2001 *#	9/24/2001 #	6/19/2001 *#	3/19/2001 *#	12/20/2000 *#	9/18/2000 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		**22**	**22**	**37**	**65**	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-13					
		Sample ID	USTAS4141-MW13-00B	USTAS4141-MW13-00A	USTAS4141-MW13-99D	USTAS4141-MW13-99C	USTAS4141-MW13-99B	USTAS4141-MW13-99A
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/20/2000 *#	3/23/2000 *#	12/28/1999 *#	9/23/1999 *#	6/16/1999 #	3/22/1999 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L								
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL	BQL	**24**
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

Table 4-2

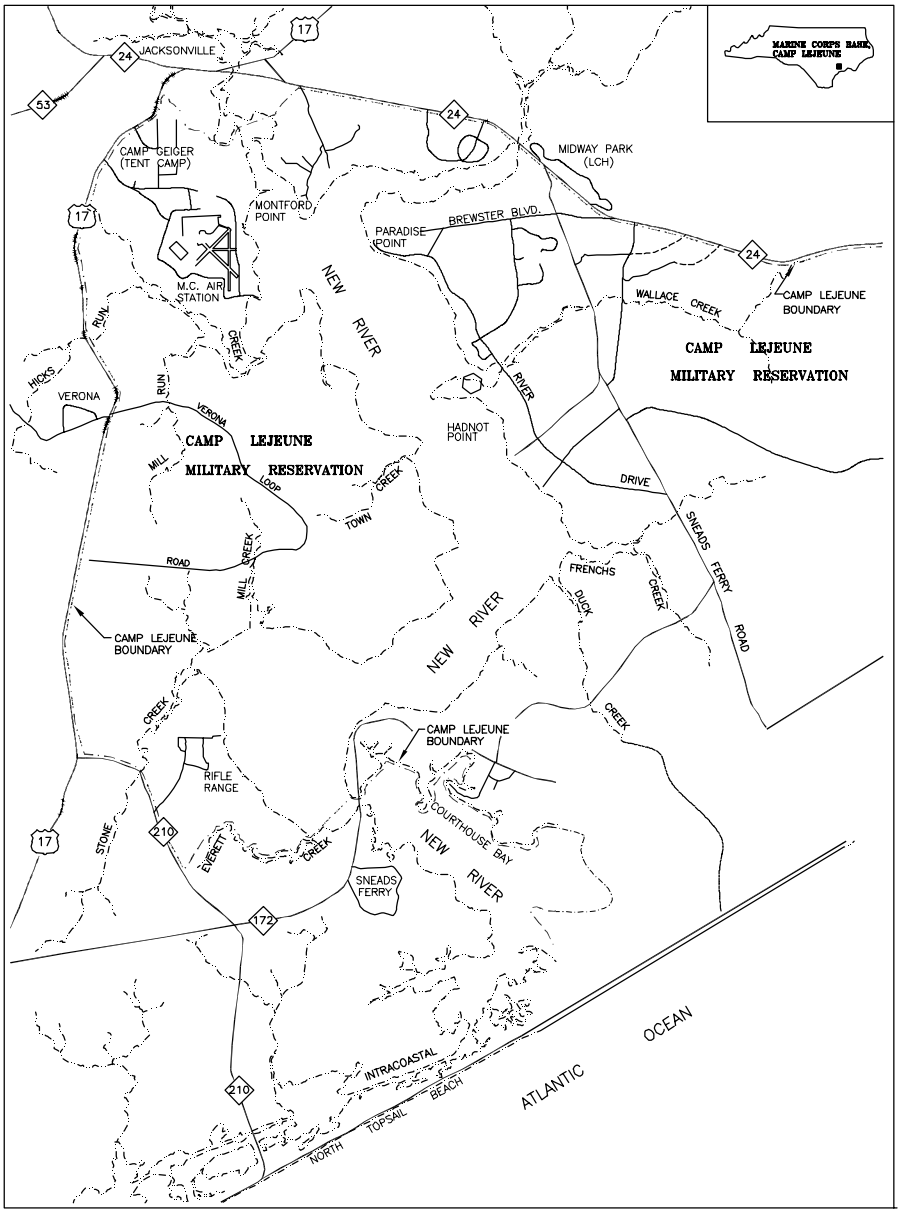
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
JP-5 Line Area
Marine Corps Air Station
Camp Lejeune, North Carolina

Parameter	NCDENR	Sample Location	MW-13			
		Sample ID	USTAS4141-MW13-98D	USTAS4141-MW13-98C	USTAS4141-MW13-98B	USTAS4141-MW13-98A
Volatile Aromatic Hydrocarbons by USEPA method 602, ug/L	**Regulatory Limit**	**Sample Date**	12/21/1998	9/23/1998	6/25/1998	3/9/1998
Benzene	1		BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL
Semivolatile Organic Compounds by USEPA method 625/8270C, ug/L						
Bis(2-ethylhexyl)phthalate	Detection Limit		BQL	BQL	BQL	BQL
Naphthalene	21		BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL

Notes:
Detected concentrations are indicated in boldface type.
Detected concentrations above the regulatory limits are indicated by shading.
NA indicates that the sample was not analyzed for the constituent.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package
# verified with electronic data deliverables

FIGURES

MARINE CORPS BASE, CAMP LEJEUNE
NORTH CAROLINA



VICINITY MAP

1"= 1.5 MILES 0 1.5 3 4.5 6 7.5

● B-728, GOTTSCHALK

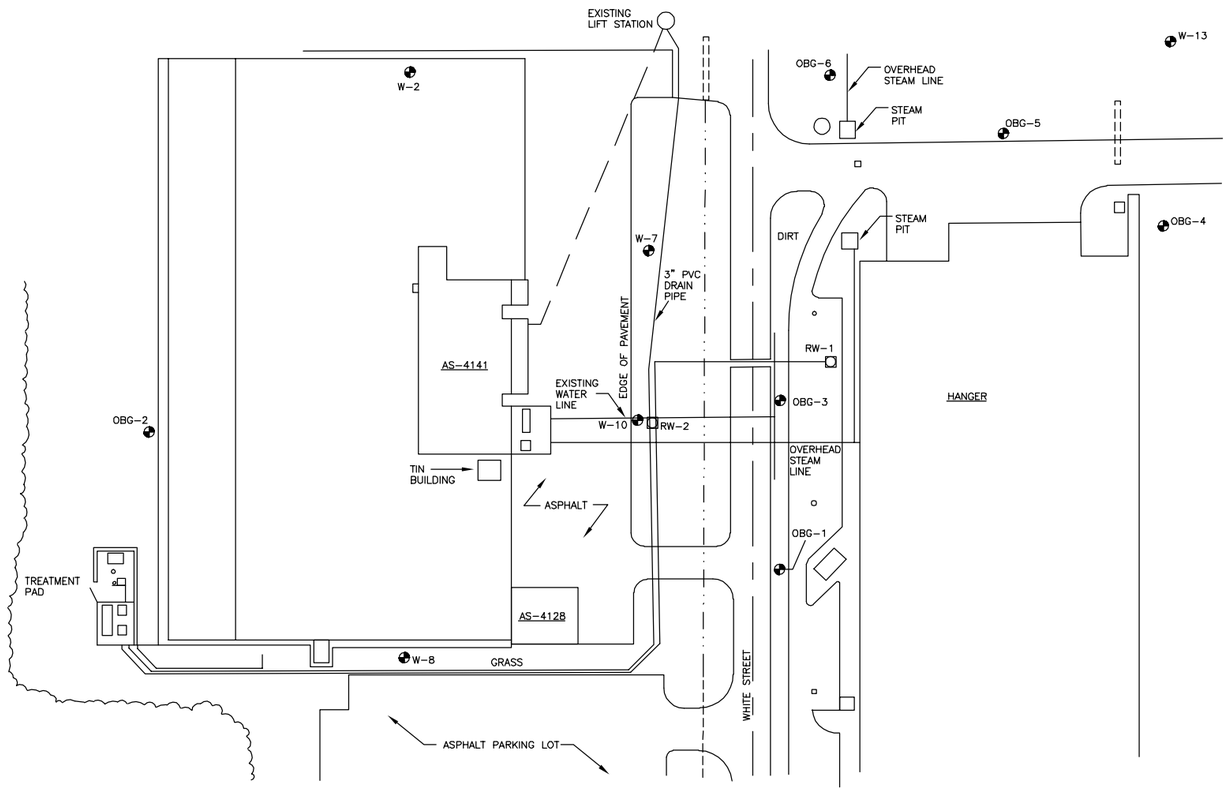
Shaw Environmental, Inc.		
DRAWN BY	J. LANGE	11/4/03
CHECKED BY	–	–
APPROVED BY	J. DUNN	–
REV. 0	SHEET # –	PROJECT NO. 845823

FIGURE 1-1
VICINITY MAP
JP-5 LINE AREA

PREPARED FOR
MCB CAMP LEJEUNE

J:\LANTDIV\LEJEUNE\824603\WP\824603-FIG1.DWG

IMAGE	X-REF	OFFICE	DRAWING NUMBER
---	---	Atlanta, GA	JP-5-FIG1-2



LEGEND

- MONITORING WELL
- RECOVERY WELL

SITE MAP

NOTE:

1. SITE LAYOUT AND MONITORING WELL LOCATIONS DETERMINED IN CORRECTIVE ACTION PLAN PREPARED BY O'BRIEN & GERE ENGINEERS, DATED JUNE 1991.

0 80 160
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS

REV	DATE	BY	CHK'D	APPR'VD	DESCRIPTION/ISSUE

Shaw Environmental, Inc.

PROJECT NO. 845823		
DESIGNED BY	CHECKED BY	APPROVED BY
RBK	RBK	
DRAWN BY		
JEL		

DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
JP-5 LINE AREA
CAMP GEIGER, NORTH CAROLINA

SITE PLAN

SCALE:	SIZE:
AS SHOWN	D

DELIVERY ORDER NO.
0011

CONSTR. CONTRACT NO.
N62470-02-D-3260

NAVFAC DRAWING NO.
?

SHEET I.D.
1-2

IMAGE	X-REF	OFFICE	DRAWING NUMBER
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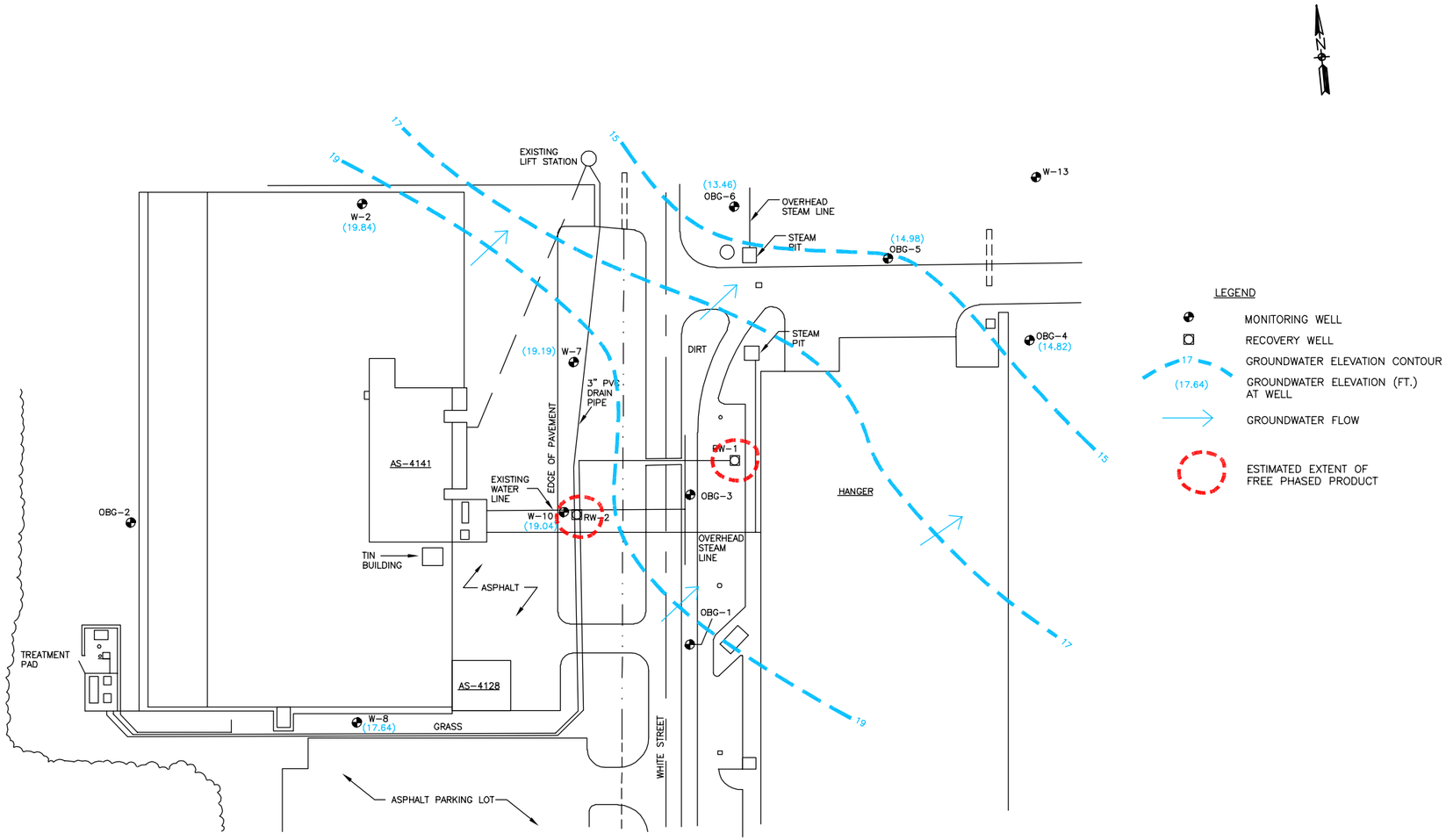


GROUNDWATER ELEVATION CONTOUR MAP
SEPTEMBER 23, 1998

NOTE:

1. SITE LAYOUT AND MONITORING WELL LOCATIONS DETERMINED IN CORRECTIVE ACTION PLAN PREPARED BY O'BRIEN & GERE ENGINEERS, DATED JUNE 1991.

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS

REV	DATE	BY	CHK'D	APP'VD	DESCRIPTION/ISSUE

Shaw Environmental, Inc.

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
RBK	JEL	RBK	

PROJECT NO. 845823

DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
JP-5 LINE AREA
CAMP GEIGER, NORTH CAROLINA

GROUNDWATER ELEVATION CONTOUR MAP
SEPTEMBER 23, 1998

SCALE:	SIZE:
AS SHOWN	D

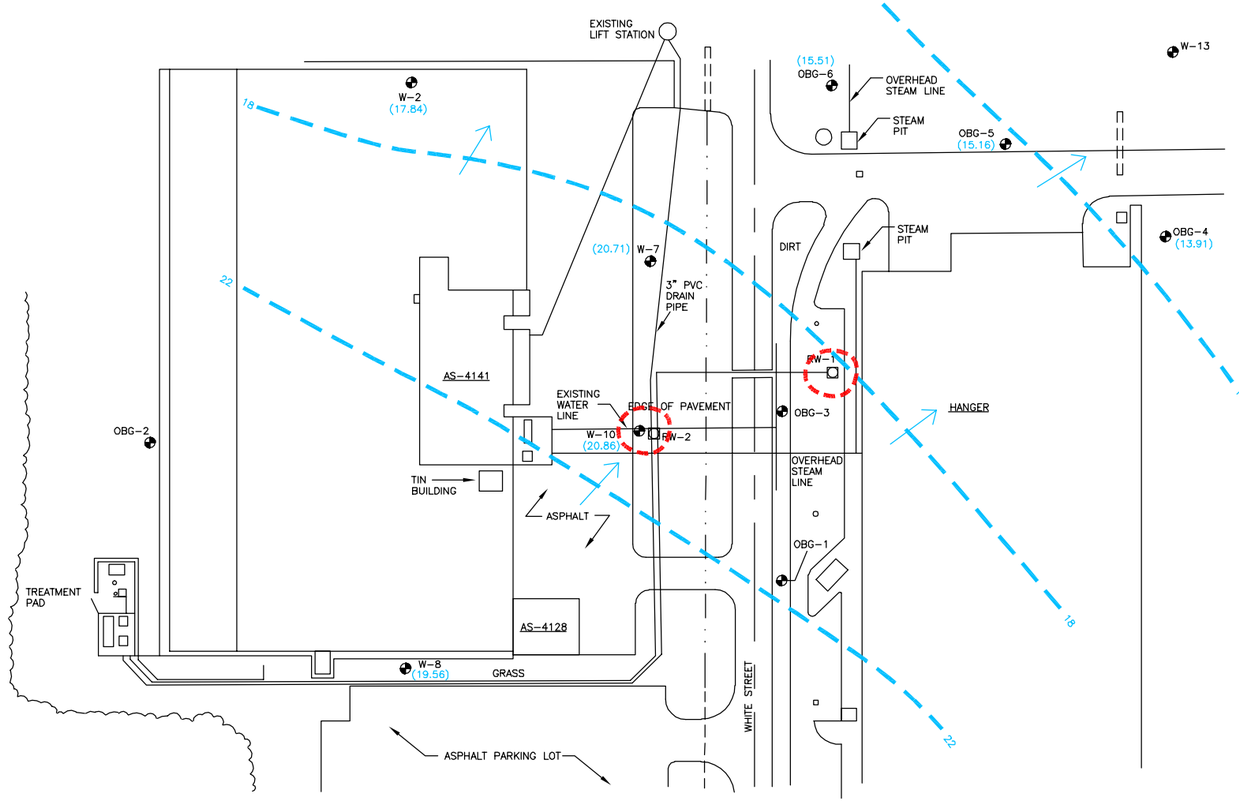
DELIVERY ORDER NO.
0011

CONSTR. CONTRACT NO.
N62470-02-D-3260

NAVFAC DRAWING NO.
?

SHEET I.D.
4-1

IMAGE	X-REF	OFFICE	DRAWING NUMBER
---	---	*Atlanta, GA*	JP-5-FIG4-2



LEGEND

- MONITORING WELL
- RECOVERY WELL
- 17 GROUNDWATER ELEVATION CONTOUR
- (13.91) GROUNDWATER ELEVATION (FT.) AT WELL
- GROUNDWATER FLOW
- ESTIMATED EXTENT OF FREE PHASED PRODUCT

GROUNDWATER ELEVATION CONTOUR MAP
MARCH 22, 1999

NOTE:

1. SITE LAYOUT AND MONITORING WELL LOCATIONS DETERMINED IN CORRECTIVE ACTION PLAN PREPARED BY O'BRIEN & GERE ENGINEERS, DATED JUNE 1991.

0 80 160
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS				
REV	DATE	BY	CHK'D	APPV'D

DESCRIPTION/ISSUE

PROJECT NO. 845823

DESIGNED BY	RBK
DRAWN BY	JEL
CHECKED BY	RBK
APPROVED BY	

Shaw Environmental, Inc.

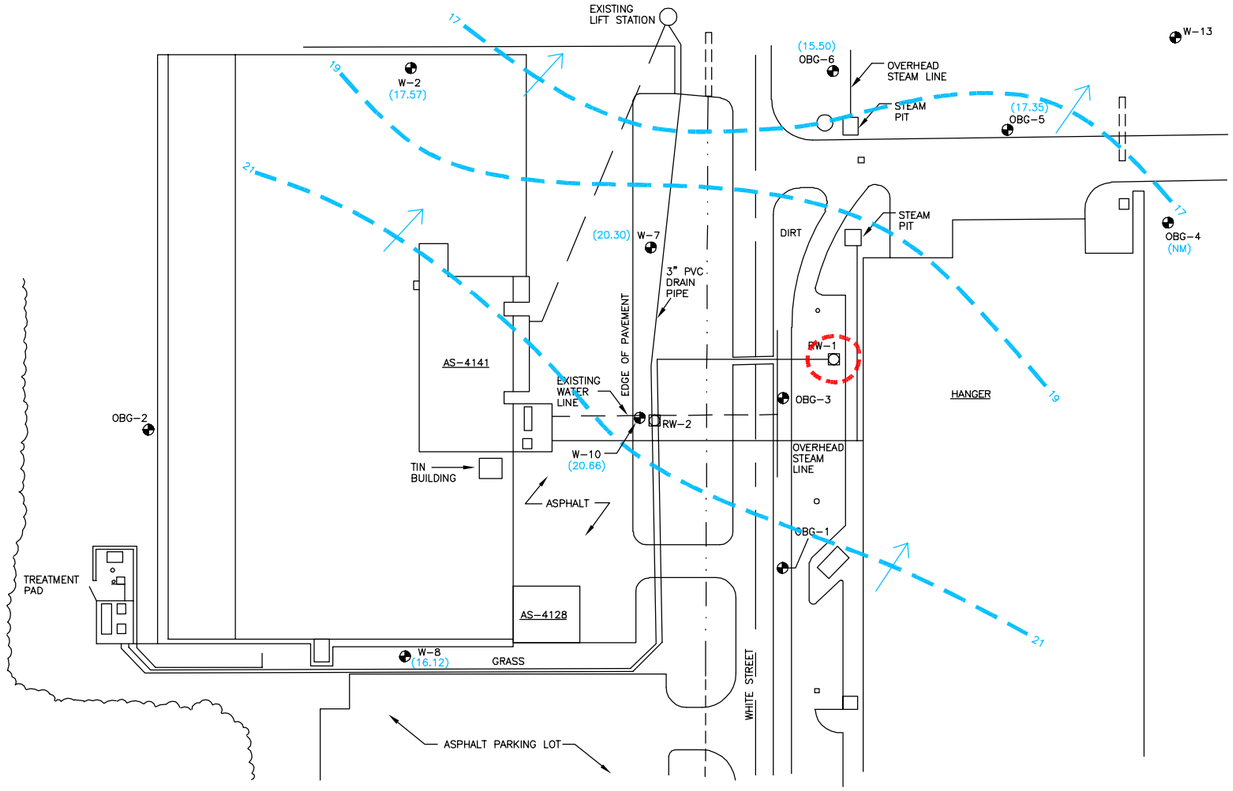
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
JP-5 LINE AREA
CAMP GEIGER, NORTH CAROLINA

GROUNDWATERELEVATION CONTOUR MAP
MARCH 22, 1999

SCALE: AS SHOWN	SIZE: D
DELIVERY ORDER NO. 0011	
CONSTR. CONTRACT NO. N62470-02-D-3260	
NAVFAC DRAWING NO. ?	
SHEET I.D. 4-2	

IMAGE	X-REF	OFFICE	DRAWING NUMBER
---	---	*Atlanta, GA*	JP-5-FIG4-3



LEGEND

- MONITORING WELL
- RECOVERY WELL
- 17 — GROUNDWATER ELEVATION CONTOUR
- (17.35) — GROUNDWATER ELEVATION (FT.) AT WELL
- (NM) — NOT MEASURED
- GROUNDWATER FLOW
- ESTIMATED EXTENT OF FREE PHASED PRODUCT

GROUNDWATER ELEVATION CONTOUR MAP
MARCH 23, 2000

NOTE:

1. SITE LAYOUT AND MONITORING WELL LOCATIONS DETERMINED IN CORRECTIVE ACTION PLAN PREPARED BY O'BRIEN & GERE ENGINEERS, DATED JUNE 1991.

0 80 160
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS

REV	DATE	BY	CHK'D	APR'VD	DESCRIPTION/ISSUE

PROJECT NO. 845823

DESIGNED BY	CHECKED BY	APPROVED BY
RBK	RBK	
DRAWN BY		
JEL		

Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
JP-5 LINE AREA
CAMP GEIGER, NORTH CAROLINA

GROUNDWATERELEVATION CONTOUR MAP
MARCH 23, 2000

SCALE:	SIZE:
AS SHOWN	D

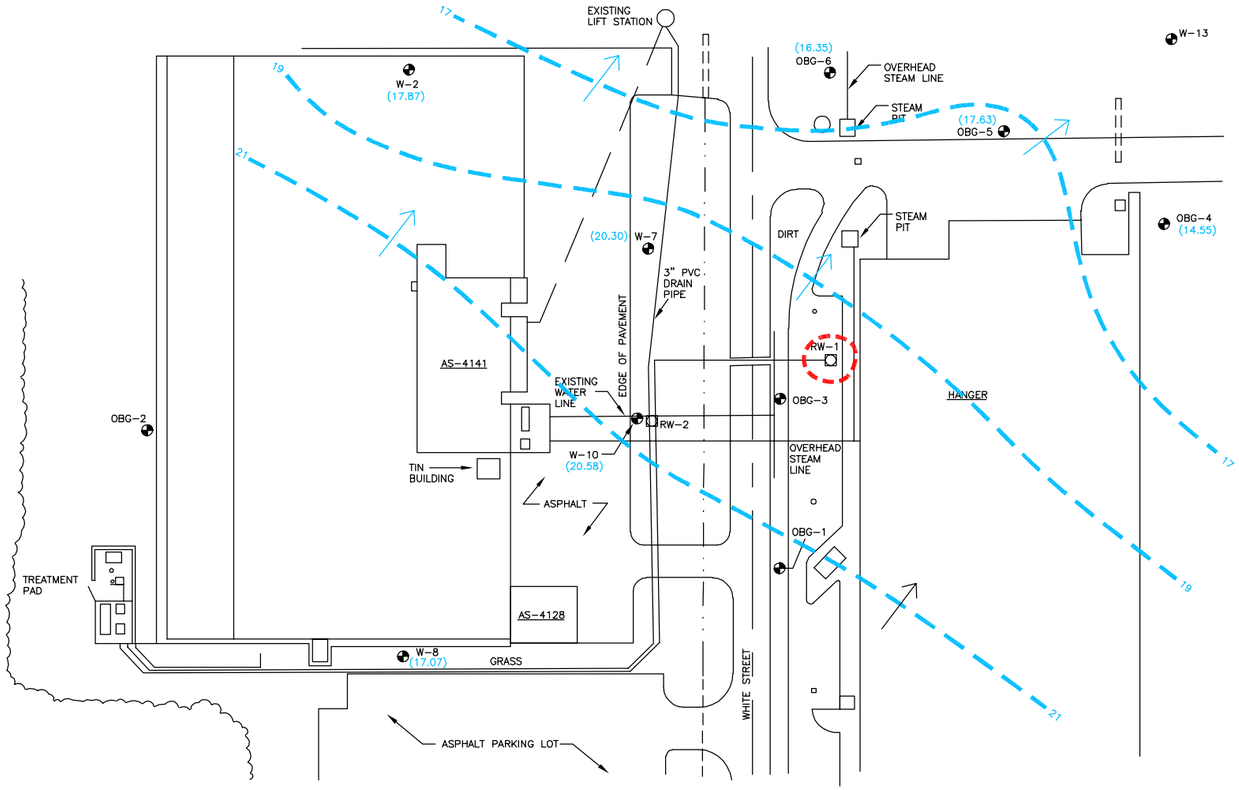
DELIVERY ORDER NO.
0011

CONSTR. CONTRACT NO.
N62470-02-D-3260

NAVFAC DRAWING NO.
?

SHEET I.D.
4-3

IMAGE	X-REF	OFFICE	DRAWING NUMBER
---	---	*Atlanta, GA*	JP-5-FIG4-4



LEGEND

- MONITORING WELL
- RECOVERY WELL
- 17 — GROUNDWATER ELEVATION CONTOUR
- (14.55) — GROUNDWATER ELEVATION (FT.) AT WELL
- GROUNDWATER FLOW
- ESTIMATED EXTENT OF FREE PHASED PRODUCT

GROUNDWATER ELEVATION CONTOUR MAP

JUNE 19, 2001

NOTE:

1. SITE LAYOUT AND MONITORING WELL LOCATIONS DETERMINED IN CORRECTIVE ACTION PLAN PREPARED BY O'BRIEN & GERE ENGINEERS, DATED JUNE 1991.

0 80 160
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/08/03
FORMAT REVISION

REVISIONS					
REV	DATE	BY	CHK'D	APPV'D	DESCRIPTION/ISSUE

Shaw Environmental, Inc.

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
RBK	JEL	RBK	

PROJECT NO. 845823

DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
JP-5 LINE AREA
CAMP GEIGER, NORTH CAROLINA

GROUNDWATERELEVATION CONTOUR MAP
JUNE 19, 2001

SCALE:	SIZE:
AS SHOWN	D

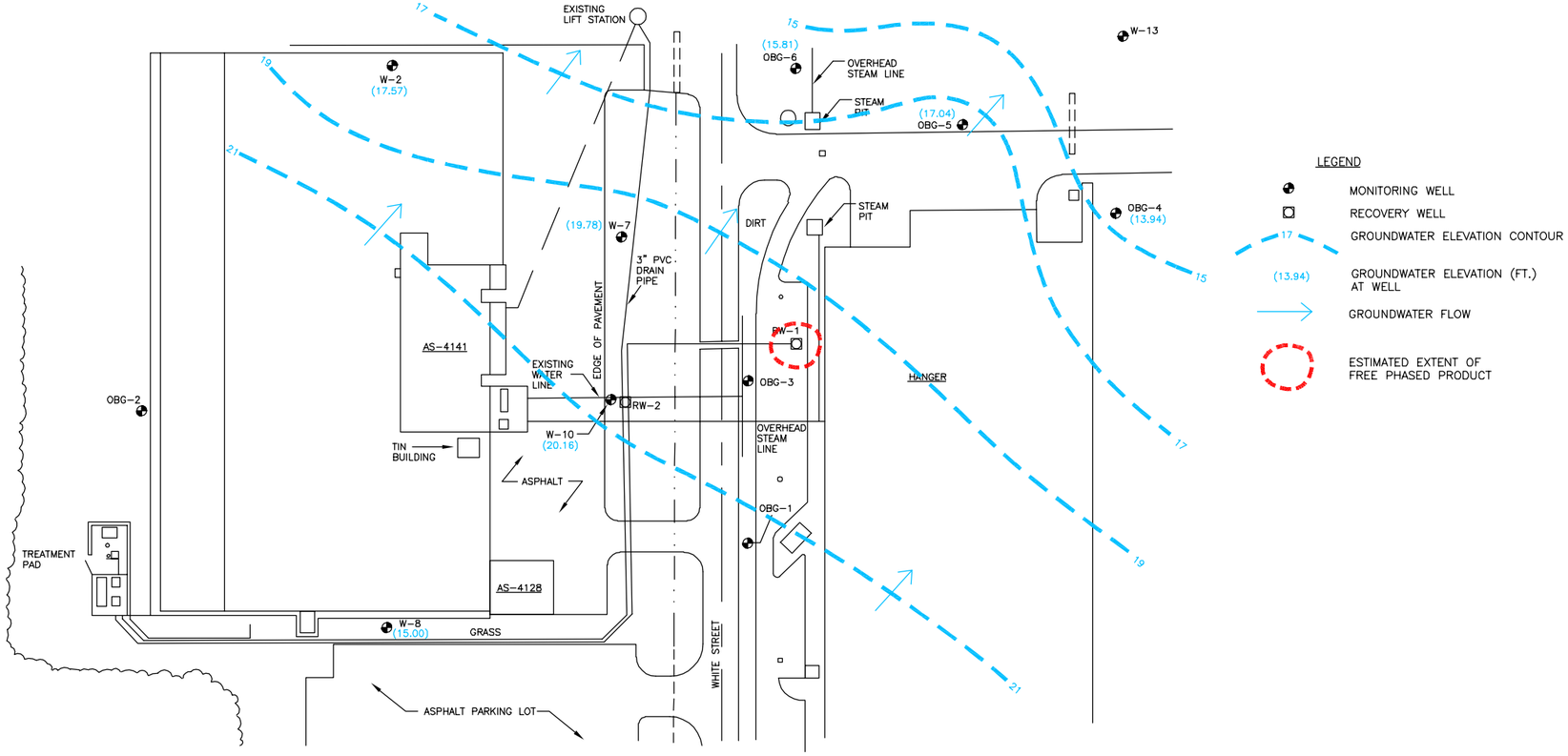
DELIVERY ORDER NO.
0011

CONSTR. CONTRACT NO.
N62470-02-D-3260

NAVFAC DRAWING NO.
?

SHEET I.D.
4-4

IMAGE	X-REF	OFFICE	DRAWING NUMBER
---	---	Atlanta, GA	JP-5-FIG4-5



GROUNDWATER ELEVATION CONTOUR MAP
MARCH 19, 2002

NOTE:

1. SITE LAYOUT AND MONITORING WELL LOCATIONS DETERMINED IN CORRECTIVE ACTION PLAN PREPARED BY O'BRIEN & GERE ENGINEERS, DATED JUNE 1991.

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS				
REV	DATE	BY	CHK'D APPR'VD	DESCRIPTION/ISSUE

Shaw Environmental, Inc.

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
RBK	JEL	RBK	

PROJECT NO. 845823

DEPARTMENT OF THE NAVY
NAVAL STATION
ATLANTIC DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
JP-5 LINE AREA
CAMP GEIGER, NORTH CAROLINA

GROUNDWATERELEVATION CONTOUR MAP
MARCH 19, 2002

SCALE: AS SHOWN	SIZE: D
DELIVERY ORDER NO. 0011	
CONSTR. CONTRACT NO. N62470-02-D-3260	
NAVFAC DRAWING NO. ?	
SHEET I.D. 4-5	

APPENDIX A

GROUNDWATER TREATMENT SYSTEM LABORATORY ANALYTICAL REPORTS

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89963
Lab Project ID: G182-524

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/27/00	1	1	BQL
Chlorobenzene	6/27/00	1	1	BQL
1,2-Dichlorobenzene	6/27/00	1	2	BQL
1,3-Dichlorobenzene	6/27/00	1	2	BQL
1,4-Dichlorobenzene	6/27/00	1	2	BQL
Ethylbenzene	6/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/27/00	1	2	BQL
Toluene	6/27/00	1	1	**23**
m/p-Xylene	6/27/00	1	2	**3**
o-Xylene	6/27/00	1	2	**7**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	106

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: mc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-AS-E-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89989
Lab Project ID: G182-524

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/28/00	1	1	BQL
Chlorobenzene	6/28/00	1	1	BQL
1,2-Dichlorobenzene	6/28/00	1	2	BQL
1,3-Dichlorobenzene	6/28/00	1	2	BQL
1,4-Dichlorobenzene	6/28/00	1	2	BQL
Ethylbenzene	6/28/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/28/00	1	2	BQL
Toluene	6/28/00	1	1	BQL
m/p-Xylene	6/28/00	1	2	BQL
o-Xylene	6/28/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: MM

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89990
Lab Project ID: G182-524

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/28/00	1	1	BQL
Chlorobenzene	6/28/00	1	1	BQL
1,2-Dichlorobenzene	6/28/00	1	2	BQL
1,3-Dichlorobenzene	6/28/00	1	2	BQL
1,4-Dichlorobenzene	6/28/00	1	2	BQL
Ethylbenzene	6/28/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/28/00	1	2	BQL
Toluene	6/28/00	1	1	BQL
m/p-Xylene	6/28/00	1	2	BQL
o-Xylene	6/28/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: mn

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89991
Lab Project ID: G182-524

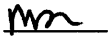
Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/28/00	1	1	BQL
Chlorobenzene	6/28/00	1	1	BQL
1,2-Dichlorobenzene	6/28/00	1	2	BQL
1,3-Dichlorobenzene	6/28/00	1	2	BQL
1,4-Dichlorobenzene	6/28/00	1	2	BQL
Ethylbenzene	6/28/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/28/00	1	2	BQL
Toluene	6/28/00	1	1	BQL
m/p-Xylene	6/28/00	1	2	BQL
o-Xylene	6/28/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89963
Lab Project ID: G182-524
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89963
Lab Project ID: G182-524
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	**24**
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

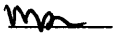
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
2-Fluorophenol	10	9.5	95
Nitrobenzene-d5	10	9.9	99
Phenol-d6	10	9.2	92
2,4,6-Tribromophenol	10	12	120
4-Terphenyl-d14	10	10.6	106

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89989
Lab Project ID: G182-524
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89989
Lab Project ID: G182-524
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
2-Fluorophenol	10	9.4	94
Nitrobenzene-d5	10	9.3	93
Phenol-d6	10	9.2	92
2,4,6-Tribromophenol	10	11	110
4-Terphenyl-d14	10	11.5	115

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89990
Lab Project ID: G182-524
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89990
Lab Project ID: G182-524
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	7.4	74
Nitrobenzene-d5	10	9.7	97
Phenol-d6	10	8.2	82
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	9.2	92

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89991
Lab Project ID: G182-524
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/28/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 89991
Lab Project ID: G182-524
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/28/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.1	101
2-Fluorophenol	10	10.1	101
Nitrobenzene-d5	10	10	100
Phenol-d6	10	9.3	93
2,4,6-Tribromophenol	10	10.4	104
4-Terphenyl-d14	10	12.4	124

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Jeff Henninger
Phone: 904-363-0911

Date: 6/20/00
Turnaround: Standard
Job Number: T.O.# 46
Page 1 of 1

Report To: Jeff Henninger

Invoice To:

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE	Preservative & No. Bottles:	Preservative & No. Bottles:	Analyses: 602 **	Analyses: 625	Analyses:	Analyses:	Analyses:	Analyses:	Analyses:	Comments
USTAS4141-OWS-E-00B3	6/20/00	1015	W	3	1			X	X						6182-52A
USTAS4141-AS-E-00B3		1025	W	3	1			X	X						602** analysis is to include
USTAS4141-ACA1-E-00B3		1035	W	3	1			X	X						methyl-tert-butyl-ether.
USTAS4141-EFF-00B3	6/20/00	1045	W	3	1			X	X						
															Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	6/20/00	16:00		6/21/00	1005	1.5

Sampled By	Airbill #
R. Sample	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86046
Lab Project ID: G182-505
Matrix: Water

Date Collected: 4/18/00
Date Received: 4/19/00
Date Analyzed: 5/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86046
Lab Project ID: G182-505
Matrix: Water

Date Collected: 4/18/00
Date Received: 4/19/00
Date Analyzed: 5/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
2-Fluorophenol	10	7.5	75
Nitrobenzene-d5	10	8.6	86
Phenol-d6	10	7.7	77
2,4,6-Tribromophenol	10	10.4	104
4-Terphenyl-d14	10	10.5	105

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86047
Lab Project ID: G182-505
Matrix: Water

Date Collected: 4/18/00
Date Received: 4/19/00
Date Analyzed: 5/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86047
Lab Project ID: G182-505
Matrix: Water

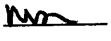
Date Collected: 4/18/00
Date Received: 4/19/00
Date Analyzed: 5/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
2-Fluorophenol	10	9.1	91
Nitrobenzene-d5	10	10	100
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	10.5	105
4-Terphenyl-d14	10	10.4	104

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86048
Lab Project ID: G182-505
Matrix: Water

Date Collected: 4/18/00
Date Received: 4/19/00
Date Analyzed: 5/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86048
Lab Project ID: G182-505
Matrix: Water

Date Collected: 4/18/00
Date Received: 4/19/00
Date Analyzed: 5/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	7.1	71
Nitrobenzene-d5	10	10.2	102
Phenol-d6	10	8.7	87
2,4,6-Tribromophenol	10	10.4	104
4-Terphenyl-d14	10	10	100

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86049
Lab Project ID: G182-505
Matrix: Water

Date Collected: 4/18/00
Date Received: 4/19/00
Date Analyzed: 5/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86049
Lab Project ID: G182-505
Matrix: Water

Date Collected: 4/18/00
Date Received: 4/19/00
Date Analyzed: 5/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.6	106
2-Fluorophenol	10	8.2	82
Nitrobenzene-d5	10	9.4	94
Phenol-d6	10	9	90
2,4,6-Tribromophenol	10	9.9	99
4-Terphenyl-d14	10	10.8	108

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OWS-E-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86046
Lab Project ID: G182-505

Analyzed By: RNP
Date Collected: 04/18/00
Date Received: 04/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/30/00	1	1	BQL
Chlorobenzene	4/30/00	1	1	BQL
1,2-Dichlorobenzene	4/30/00	1	2	BQL
1,3-Dichlorobenzene	4/30/00	1	2	BQL
1,4-Dichlorobenzene	4/30/00	1	2	BQL
Ethylbenzene	4/30/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/30/00	1	2	BQL
Toluene	4/30/00	1	1	BQL
m/p-Xylene	4/30/00	1	2	BQL
o-Xylene	4/30/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	109

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: [signature]

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-AS-E-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86047
Lab Project ID: G182-505

Analyzed By: EKR
Date Collected: 04/18/00
Date Received: 04/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/1/00	1	1	BQL
Chlorobenzene	5/1/00	1	1	BQL
1,2-Dichlorobenzene	5/1/00	1	2	BQL
1,3-Dichlorobenzene	5/1/00	1	2	BQL
1,4-Dichlorobenzene	5/1/00	1	2	BQL
Ethylbenzene	5/1/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/1/00	1	2	BQL
Toluene	5/1/00	1	1	BQL
m/p-Xylene	5/1/00	1	2	BQL
o-Xylene	5/1/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86048
Lab Project ID: G182-505

Analyzed By: EKR
Date Collected: 04/18/00
Date Received: 04/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/1/00	1	1	BQL
Chlorobenzene	5/1/00	1	1	BQL
1,2-Dichlorobenzene	5/1/00	1	2	BQL
1,3-Dichlorobenzene	5/1/00	1	2	BQL
1,4-Dichlorobenzene	5/1/00	1	2	BQL
Ethylbenzene	5/1/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/1/00	1	2	BQL
Toluene	5/1/00	1	1	BQL
m/p-Xylene	5/1/00	1	2	BQL
o-Xylene	5/1/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-00B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 86049
Lab Project ID: G182-505

Analyzed By: EKR
Date Collected: 04/18/00
Date Received: 04/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/1/00	1	1	BQL
Chlorobenzene	5/1/00	1	1	BQL
1,2-Dichlorobenzene	5/1/00	1	2	BQL
1,3-Dichlorobenzene	5/1/00	1	2	BQL
1,4-Dichlorobenzene	5/1/00	1	2	BQL
Ethylbenzene	5/1/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/1/00	1	2	BQL
Toluene	5/1/00	1	1	BQL
m/p-Xylene	5/1/00	1	2	BQL
o-Xylene	5/1/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: [signature]

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : ~~Casey Hudson~~ Jeff Henninger
Phone: 904-363-0911

Date: 4/18/00
Turnaround: Standard
Job Number T.O.# 46
Page 1 of 1

Report To:
~~Casey Hudson~~ Jeff Henninger

Invoice To:

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE	Preservative & No. Bottles:	Preservative & No. Bottles:	Analyses: 602 **	Analyses: 625	Analyses:	Analyses:	Analyses:	Analyses:	Analyses:	Comments
															G182-505
USTAS4141-OWS-E-00B1	4/18/00	12:30	W	3	1			X	X						602** analysis is to include
USTAS4141-AS-E--00B1		12:35	W	3	1			X	X						methyl-tert-butyl-ether.
USTAS4141-ACA1-E--00B1		12:40	W	3	1			X	X						
USTAS4141-EFF--00B1		12:50	W	3	1			X	X						Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
RICHARD SAMPLE	4/18/00	16:00		4/19/00	0955	0.1	R. Sample	
							T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-EFF-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82409
Lab Project ID: G182-478

Analyzed By: RNP
Date Collected: 02/24/00
Date Received: 02/25/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/7/00	1	1	BQL
Chlorobenzene	3/7/00	1	1	BQL
1,2-Dichlorobenzene	3/7/00	1	2	BQL
1,3-Dichlorobenzene	3/7/00	1	2	BQL
1,4-Dichlorobenzene	3/7/00	1	2	BQL
Ethylbenzene	3/7/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/7/00	1	2	BQL
Toluene	3/7/00	1	1	BQL
m/p-Xylene	3/7/00	1	2	BQL
o-Xylene	3/7/00	1	2	BQL

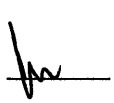
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	106

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82409
Lab Project ID: G182-478
Matrix: Water

Date Collected: 2/24/00
Date Received: 2/25/00
Date Analyzed: 3/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82409
Lab Project ID: G182-478
Matrix: Water

Date Collected: 2/24/00
Date Received: 2/25/00
Date Analyzed: 3/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

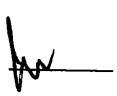
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
2-Fluorophenol	10	9.4	94
Nitrobenzene-d5	10	9.9	99
Phenol-d6	10	8.5	86
2,4,6-Tribromophenol	10	8.3	83
4-Terphenyl-d14	10	11.5	115

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 2/24/00
Turnaround: Standard
Job Number T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE	Preservative & No. Bottles:	Preservative & No. Bottles:	Analyses: 602 **	Analyses: 625	Analyses:	Analyses:	Analyses:	Analyses:	Analyses:	Comments
															9182-478
USTAS4141-EFF-00A2	2/24/00	13:45	W	3	1			X	X						
															602** analysis is to include
															methyl-tert-butyl-ether.
															Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
	2/24/00	1600		2/25/00	0935	0.4

Sampled By	Airbill #
R. Sample	
T. ELLERMAN	

Paradigm Analytical Laboratories, Inc

NC Certification #481

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 2/24/00
Turnaround: Standard
Job Number T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE			Analyses: 602 **	Analyses: 625						Comments
USTAS4141-EFF-00A2	2/24/00	13:45	W	3	1			X	X						6182-478
															602** analysis is to include
															methyl-tert-butyl-ether.
															Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
	2/24/00	1600		2/25/00	0935	0.4

Sampled By	Airbill #
R. Sample	
T. ELLERMAN	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82405
Lab Project ID: G182-477

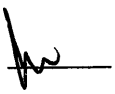
Analyzed By: RNP
Date Collected: 02/23/00
Date Received: 02/25/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/6/00	1	1	BQL
Chlorobenzene	3/6/00	1	1	BQL
1,2-Dichlorobenzene	3/6/00	1	2	BQL
1,3-Dichlorobenzene	3/6/00	1	2	BQL
1,4-Dichlorobenzene	3/6/00	1	2	BQL
Ethylbenzene	3/6/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/6/00	1	2	BQL
Toluene	3/6/00	1	1	BQL
m/p-Xylene	3/6/00	1	2	BQL
o-Xylene	3/6/00	1	2	3

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	107

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-AS-E-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82406
Lab Project ID: G182-477

Analyzed By: RNP
Date Collected: 02/23/00
Date Received: 02/25/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/6/00	1	1	BQL
Chlorobenzene	3/6/00	1	1	BQL
1,2-Dichlorobenzene	3/6/00	1	2	BQL
1,3-Dichlorobenzene	3/6/00	1	2	BQL
1,4-Dichlorobenzene	3/6/00	1	2	BQL
Ethylbenzene	3/6/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/6/00	1	2	BQL
Toluene	3/6/00	1	1	BQL
m/p-Xylene	3/6/00	1	2	BQL
o-Xylene	3/6/00	1	2	BQL

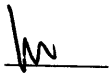
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	108

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-ACA1-E-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82407
Lab Project ID: G182-477

Analyzed By: RNP
Date Collected: 02/23/00
Date Received: 02/25/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/6/00	1	1	BQL
Chlorobenzene	3/6/00	1	1	BQL
1,2-Dichlorobenzene	3/6/00	1	2	BQL
1,3-Dichlorobenzene	3/6/00	1	2	BQL
1,4-Dichlorobenzene	3/6/00	1	2	BQL
Ethylbenzene	3/6/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/6/00	1	2	BQL
Toluene	3/6/00	1	1	BQL
m/p-Xylene	3/6/00	1	2	BQL
o-Xylene	3/6/00	1	2	BQL

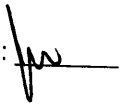
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82405
Lab Project ID: G182-477
Matrix: Water

Date Collected: 2/23/00
Date Received: 2/25/00
Date Analyzed: 3/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82405
Lab Project ID: G182-477
Matrix: Water

Date Collected: 2/23/00
Date Received: 2/25/00
Date Analyzed: 3/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.2	72
2-Fluorophenol	10	8	80
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	8	80
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	12.5	125

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82406
Lab Project ID: G182-477
Matrix: Water

Date Collected: 2/23/00
Date Received: 2/25/00
Date Analyzed: 3/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82406
Lab Project ID: G182-477
Matrix: Water

Date Collected: 2/23/00
Date Received: 2/25/00
Date Analyzed: 3/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

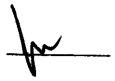
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	10.3	103
Nitrobenzene-d5	10	10.8	108
Phenol-d6	10	9.2	92
2,4,6-Tribromophenol	10	10.6	106
4-Terphenyl-d14	10	12.6	126

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82407
Lab Project ID: G182-477
Matrix: Water

Date Collected: 2/23/00
Date Received: 2/25/00
Date Analyzed: 3/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00A2
Client Project ID: JP-5 Line Area
Lab Sample ID: 82407
Lab Project ID: G182-477
Matrix: Water

Date Collected: 2/23/00
Date Received: 2/25/00
Date Analyzed: 3/2/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

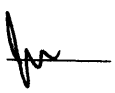
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	8.3	83
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	7.7	77
2,4,6-Tribromophenol	10	8.6	86
4-Terphenyl-d14	10	11.3	113

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 2/24/00
Turnaround: Standard
Job Number T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	NONE			Analyses: 602 **	625						Comments
USTAS4141-OWS-E-00A2	2/23/00	1350	W	3	1			X	X						602** analysis is to include
USTAS4141-AS-E-00A2	2/23/00	1400	W	3	1			X	X						methyl-tert-butyl-ether.
USTAS4141-ACA1-E-00A2	2/23/00	1415	W	3	1			X	X						
															Temp. blank provided by lab.

G182-477

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	2/24/00	1600		2/25/00	0935	0.4

Sampled By	Airbill #
R. Sample	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80433
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	48
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80433
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	**110**
2-Methylnaphthalene	10	**65**
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	**15**
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
2-Fluorophenol	10	9.6	96
Nitrobenzene-d5	10	10.2	102
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	13.6	136
4-Terphenyl-d14	10	9.9	99

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80434
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80434
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
2-Fluorophenol	10	8.1	81
Nitrobenzene-d5	10	9	90
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	10.1	101
4-Terphenyl-d14	10	9.8	98

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80435
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	12
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80435
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
2-Fluorophenol	10	8.7	87
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	8.3	83
4-Terphenyl-d14	10	10.2	102

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80436
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	20	BQL
3,3'-Dichlorobenzidine	10	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	50	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	10	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	20	BQL
Hexachlorocyclopentadiene		

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80436
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
2-Fluorophenol	10	8	80
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.2	82
2,4,6-Tribromophenol	10	8.6	86
4-Terphenyl-d14	10	10.5	105

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OWS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80433
Lab Project ID: G182-460

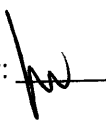
Analyzed By: EKR
Date Collected: 01/31/00
Date Received: 02/01/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/7/00	1	1	BQL
Chlorobenzene	2/7/00	1	1	BQL
1,2-Dichlorobenzene	2/7/00	1	2	BQL
1,3-Dichlorobenzene	2/7/00	1	2	BQL
1,4-Dichlorobenzene	2/7/00	1	2	BQL
Ethylbenzene	2/7/00	1	1	**2**
Methyl-tert-butyl ether (MTBE)	2/7/00	1	2	BQL
Toluene	2/7/00	1	1	BQL
m/p-Xylene	2/7/00	1	2	**8**
o-Xylene	2/7/00	1	2	**10**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-AS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80434
Lab Project ID: G182-460

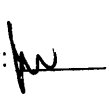
Analyzed By: EKR
Date Collected: 01/31/00
Date Received: 02/01/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/7/00	1	1	BQL
Chlorobenzene	2/7/00	1	1	BQL
1,2-Dichlorobenzene	2/7/00	1	2	BQL
1,3-Dichlorobenzene	2/7/00	1	2	BQL
1,4-Dichlorobenzene	2/7/00	1	2	BQL
Ethylbenzene	2/7/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/7/00	1	2	BQL
Toluene	2/7/00	1	1	BQL
m/p-Xylene	2/7/00	1	2	BQL
o-Xylene	2/7/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-ACA1-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80435
Lab Project ID: G182-460

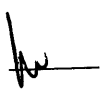
Analyzed By: EKR
Date Collected: 01/31/00
Date Received: 02/01/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/7/00	1	1	BQL
Chlorobenzene	2/7/00	1	1	BQL
1,2-Dichlorobenzene	2/7/00	1	2	BQL
1,3-Dichlorobenzene	2/7/00	1	2	BQL
1,4-Dichlorobenzene	2/7/00	1	2	BQL
Ethylbenzene	2/7/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/7/00	1	2	BQL
Toluene	2/7/00	1	1	BQL
m/p-Xylene	2/7/00	1	2	BQL
o-Xylene	2/7/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-EFF-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80436
Lab Project ID: G182-460

Analyzed By: EKR
Date Collected: 01/31/00
Date Received: 02/01/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/7/00	1	1	BQL
Chlorobenzene	2/7/00	1	1	BQL
1,2-Dichlorobenzene	2/7/00	1	2	BQL
1,3-Dichlorobenzene	2/7/00	1	2	BQL
1,4-Dichlorobenzene	2/7/00	1	2	BQL
Ethylbenzene	2/7/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/7/00	1	2	BQL
Toluene	2/7/00	1	1	BQL
m/p-Xylene	2/7/00	1	2	BQL
o-Xylene	2/7/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80433
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**48**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80433
Lab Project ID: G182-460
Matrix: Water

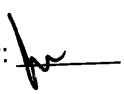
Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	15
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
2-Fluorophenol	10	9.6	96
Nitrobenzene-d5	10	10.2	102
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	13.6	136
4-Terphenyl-d14	10	9.9	99

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80434
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80434
Lab Project ID: G182-460
Matrix: Water

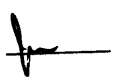
Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
2-Fluorophenol	10	8.1	81
Nitrobenzene-d5	10	9	90
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	10.1	101
4-Terphenyl-d14	10	9.8	98

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80435
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	12
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80435
Lab Project ID: G182-460
Matrix: Water

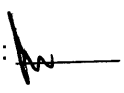
Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
2-Fluorophenol	10	8.7	87
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	8.3	83
4-Terphenyl-d14	10	10.2	102

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80436
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-00A1
Client Project ID: JP-5 Line Area
Lab Sample ID: 80436
Lab Project ID: G182-460
Matrix: Water

Date Collected: 1/31/00
Date Received: 2/1/00
Date Analyzed: 2/6/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

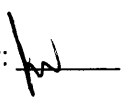
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
2-Fluorophenol	10	8	80
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.2	82
2,4,6-Tribromophenol	10	8.6	86
4-Terphenyl-d14	10	10.5	105

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 01/31/00
Turnaround: Standard
Job Number: T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

Paradigm Quote # :

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE	Preservative & No. Bottles	Preservative & No. Bottles	Analyses: 602 **	Analyses: 625	Analyses	Analyses	Analyses	Analyses	Analyses	Comments
															G182-460
USTAS4141-OWS-E-00A1	01/31/00	13:40	W	3	1			X	X						602** analysis is to include
USTAS4141-AS-E-00A1		13:35	W	3	1			X	X						methyl-tert-butyl-ether.
USTAS4141-ACA1-E-00A1		13:45	W	3	1			X	X						
USTAS4141-EFF-00A1	01/31/00	13:50	W	3	1			X	X						Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	01/31/00	1600		2/1/00	1000	0.9

Sampled By	Airbill #
R. Sample	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78803
Lab Project ID: G182-444

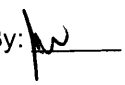
Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/4/00	1	1	BQL
Chlorobenzene	1/4/00	1	1	BQL
1,2-Dichlorobenzene	1/4/00	1	2	BQL
1,3-Dichlorobenzene	1/4/00	1	2	BQL
1,4-Dichlorobenzene	1/4/00	1	2	BQL
Ethylbenzene	1/4/00	1	1	**2**
Methyl-tert-butyl ether (MTBE)	1/4/00	1	2	BQL
Toluene	1/4/00	1	1	BQL
m/p-Xylene	1/4/00	1	2	**7**
o-Xylene	1/4/00	1	2	**11**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-AS-E-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78804
Lab Project ID: G182-444

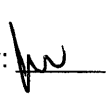
Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/4/00	1	1	BQL
Chlorobenzene	1/4/00	1	1	BQL
1,2-Dichlorobenzene	1/4/00	1	2	BQL
1,3-Dichlorobenzene	1/4/00	1	2	BQL
1,4-Dichlorobenzene	1/4/00	1	2	BQL
Ethylbenzene	1/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/4/00	1	2	BQL
Toluene	1/4/00	1	1	BQL
m/p-Xylene	1/4/00	1	2	BQL
o-Xylene	1/4/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78805
Lab Project ID: G182-444

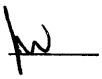
Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/4/00	1	1	BQL
Chlorobenzene	1/4/00	1	1	BQL
1,2-Dichlorobenzene	1/4/00	1	2	BQL
1,3-Dichlorobenzene	1/4/00	1	2	BQL
1,4-Dichlorobenzene	1/4/00	1	2	BQL
Ethylbenzene	1/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/4/00	1	2	BQL
Toluene	1/4/00	1	1	BQL
m/p-Xylene	1/4/00	1	2	BQL
o-Xylene	1/4/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78806
Lab Project ID: G182-444

Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/4/00	1	1	BQL
Chlorobenzene	1/4/00	1	1	BQL
1,2-Dichlorobenzene	1/4/00	1	2	BQL
1,3-Dichlorobenzene	1/4/00	1	2	BQL
1,4-Dichlorobenzene	1/4/00	1	2	BQL
Ethylbenzene	1/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/4/00	1	2	BQL
Toluene	1/4/00	1	1	BQL
m/p-Xylene	1/4/00	1	2	BQL
o-Xylene	1/4/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78803
Lab Project ID: G182-444
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	57
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78803
Lab Project ID: G182-444
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	**51**
2-Methylnaphthalene	10	**13**
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

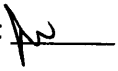
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.3	63
2-Fluorophenol	10	4.8	48
Nitrobenzene-d5	10	8	80
Phenol-d6	10	6.3	63
2,4,6-Tribromophenol	10	7.6	76
4-Terphenyl-d14	10	8.4	84

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78804
Lab Project ID: G182-444
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78804
Lab Project ID: G182-444
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	**28**
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

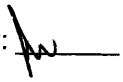
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.8	78
2-Fluorophenol	10	7.5	75
Nitrobenzene-d5	10	8.4	84
Phenol-d6	10	8.7	87
2,4,6-Tribromophenol	10	7.5	75
4-Terphenyl-d14	10	8.6	86

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78805
Lab Project ID: G182-444
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78805
Lab Project ID: G182-444
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
2-Fluorophenol	10	9	90
Nitrobenzene-d5	10	10.8	108
Phenol-d6	10	9.3	93
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	9.1	91

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78806
Lab Project ID: G182-444
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-99D3
Client Project ID: JP-5 Line Area
Lab Sample ID: 78806
Lab Project ID: G182-444
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

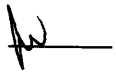
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
2-Fluorophenol	10	8.1	81
Nitrobenzene-d5	10	8.3	83
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	7.5	75
4-Terphenyl-d14	10	8.9	89

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 12/28/99
Turnaround: Standard
Job Number T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	NONE			Analyses: 602 **	625						Comments
USTAS4141-OWS-E-99D3	12/28/99	0938	W	3	1			X	X						6182-4424
USTAS4141-AS-E-99D3		0945	W	3	1			X	X						602** analysis is to include methyl-tert-butyl-ether.
USTAS4141-ACA1-E-99D3		0950	W	3	1			X	X						
USTAS4141-EFF-99D3	12/28/99	10:00	W	3	1			X	X						Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	12/28/99	1600		12/29/99	0930	3.0, 1.9

Sampled By	Airbill #
R. Sample	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76345
Lab Project ID: G182-426

Analyzed By: EKR
Date Collected: 11/18/99
Date Received: 11/19/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/23/99	1	1	BQL
Chlorobenzene	11/23/99	1	1	BQL
1,2-Dichlorobenzene	11/23/99	1	2	BQL
1,3-Dichlorobenzene	11/23/99	1	2	BQL
1,4-Dichlorobenzene	11/23/99	1	2	BQL
Ethylbenzene	11/23/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/23/99	1	2	BQL
Toluene	11/23/99	1	1	BQL
m/p-Xylene	11/23/99	1	2	BQL
o-Xylene	11/23/99	1	2	6

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-AS-E-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76346
Lab Project ID: G182-426

Analyzed By: EKR
Date Collected: 11/18/99
Date Received: 11/19/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/24/99	1	1	BQL
Chlorobenzene	11/24/99	1	1	BQL
1,2-Dichlorobenzene	11/24/99	1	2	BQL
1,3-Dichlorobenzene	11/24/99	1	2	BQL
1,4-Dichlorobenzene	11/24/99	1	2	BQL
Ethylbenzene	11/24/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/24/99	1	2	BQL
Toluene	11/24/99	1	1	BQL
m/p-Xylene	11/24/99	1	2	BQL
o-Xylene	11/24/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	104

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76347
Lab Project ID: G182-426

Analyzed By: EKR
Date Collected: 11/18/99
Date Received: 11/19/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/23/99	1	1	BQL
Chlorobenzene	11/23/99	1	1	BQL
1,2-Dichlorobenzene	11/23/99	1	2	BQL
1,3-Dichlorobenzene	11/23/99	1	2	BQL
1,4-Dichlorobenzene	11/23/99	1	2	BQL
Ethylbenzene	11/23/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/23/99	1	2	BQL
Toluene	11/23/99	1	1	BQL
m/p-Xylene	11/23/99	1	2	BQL
o-Xylene	11/23/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76348
Lab Project ID: G182-426

Analyzed By: EKR
Date Collected: 11/18/99
Date Received: 11/19/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/23/99	1	1	BQL
Chlorobenzene	11/23/99	1	1	BQL
1,2-Dichlorobenzene	11/23/99	1	2	BQL
1,3-Dichlorobenzene	11/23/99	1	2	BQL
1,4-Dichlorobenzene	11/23/99	1	2	BQL
Ethylbenzene	11/23/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/23/99	1	2	BQL
Toluene	11/23/99	1	1	BQL
m/p-Xylene	11/23/99	1	2	BQL
o-Xylene	11/23/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76345
Lab Project ID: G182-426
Matrix: Water

Date Collected: 11/18/99
Date Received: 11/19/99
Date Analyzed: 11/24/99
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76345
Lab Project ID: G182-426
Matrix: Water

Date Collected: 11/18/99
Date Received: 11/19/99
Date Analyzed: 11/24/99
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.4	74
2-Fluorophenol	10	6.8	68
Nitrobenzene-d5	10	7.4	74
Phenol-d6	10	7.7	77
2,4,6-Tribromophenol	10	10.4	104
4-Terphenyl-d14	10	8.5	85

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76346
Lab Project ID: G182-426
Matrix: Water

Date Collected: 11/18/99
Date Received: 11/19/99
Date Analyzed: 11/24/99
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76346
Lab Project ID: G182-426
Matrix: Water

Date Collected: 11/18/99
Date Received: 11/19/99
Date Analyzed: 11/24/99
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

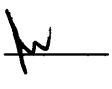
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
2-Fluorophenol	10	7.6	76
Nitrobenzene-d5	10	8.3	83
Phenol-d6	10	8.1	81
2,4,6-Tribromophenol	10	11.1	111
4-Terphenyl-d14	10	9.3	93

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76347
Lab Project ID: G182-426
Matrix: Water

Date Collected: 11/18/99
Date Received: 11/19/99
Date Analyzed: 11/24/99
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76347
Lab Project ID: G182-426
Matrix: Water

Date Collected: 11/18/99
Date Received: 11/19/99
Date Analyzed: 11/24/99
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

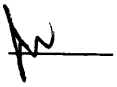
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.9	69
2-Fluorophenol	10	6	60
Nitrobenzene-d5	10	6.6	66
Phenol-d6	10	6.7	67
2,4,6-Tribromophenol	10	9.2	92
4-Terphenyl-d14	10	7.7	77

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76348
Lab Project ID: G182-426
Matrix: Water

Date Collected: 11/18/99
Date Received: 11/19/99
Date Analyzed: 11/25/99
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-99D2
Client Project ID: JP-5 Line Area
Lab Sample ID: 76348
Lab Project ID: G182-426
Matrix: Water

Date Collected: 11/18/99
Date Received: 11/19/99
Date Analyzed: 11/25/99
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

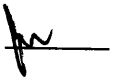
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
2-Fluorophenol	10	7	70
Nitrobenzene-d5	10	7.5	75
Phenol-d6	10	7.4	74
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	8.4	84

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 11/18/99
Turnaround: Standard
Job Number T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE			Analyses: 602 **	Analyses: 625						Comments
															G182-426
USTAS4141-OWS-E-99D2	11/18/99	0925	W	3	1			X	X						
USTAS4141-AS-E-99D2	11/18/99	0930	W	3	1			X	X						602** analysis is to include
USTAS4141-ACA1-E-99D2	11/18/99	0940	W	3	1			X	X						methyl-tert-butyl-ether.
USTAS4141-EFF-99D2	11/18/99	0945	W	3	1			X	X						
															Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	11/18/99	1630		11/19/99	930	-5.0

Sampled By	Airbill #
R. Sample	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OWS-E-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74598
Lab Project ID: G182-420

Analyzed By: EKR
Date Collected: 10/22/99
Date Received: 10/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	11/2/99	1	1	BQL	
Chlorobenzene	11/2/99	1	1	BQL	
1,2-Dichlorobenzene	11/2/99	1	2	BQL	
1,3-Dichlorobenzene	11/2/99	1	2	BQL	
1,4-Dichlorobenzene	11/2/99	1	2	BQL	
Ethylbenzene	11/2/99	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	11/2/99	1	2	BQL	
Toluene	11/2/99	1	1	BQL	
m/p-Xylene	11/2/99	1	2	BQL	
o-Xylene	11/2/99	1	2		**2**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-AS-E-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74599
Lab Project ID: G182-420

Analyzed By: EKR
Date Collected: 10/22/99
Date Received: 10/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/2/99	1	1	BQL
Chlorobenzene	11/2/99	1	1	BQL
1,2-Dichlorobenzene	11/2/99	1	2	BQL
1,3-Dichlorobenzene	11/2/99	1	2	BQL
1,4-Dichlorobenzene	11/2/99	1	2	BQL
Ethylbenzene	11/2/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/2/99	1	2	BQL
Toluene	11/2/99	1	1	BQL
m/p-Xylene	11/2/99	1	2	BQL
o-Xylene	11/2/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	104

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-ACA1-E-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74600
Lab Project ID: G182-420

Analyzed By: EKR
Date Collected: 10/22/99
Date Received: 10/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/2/99	1	1	BQL
Chlorobenzene	11/2/99	1	1	BQL
1,2-Dichlorobenzene	11/2/99	1	2	BQL
1,3-Dichlorobenzene	11/2/99	1	2	BQL
1,4-Dichlorobenzene	11/2/99	1	2	BQL
Ethylbenzene	11/2/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/2/99	1	2	BQL
Toluene	11/2/99	1	1	BQL
m/p-Xylene	11/2/99	1	2	BQL
o-Xylene	11/2/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	104

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-EFF-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74601
Lab Project ID: G182-420

Analyzed By: EKR
Date Collected: 10/22/99
Date Received: 10/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/2/99	1	1	BQL
Chlorobenzene	11/2/99	1	1	BQL
1,2-Dichlorobenzene	11/2/99	1	2	BQL
1,3-Dichlorobenzene	11/2/99	1	2	BQL
1,4-Dichlorobenzene	11/2/99	1	2	BQL
Ethylbenzene	11/2/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/2/99	1	2	BQL
Toluene	11/2/99	1	1	BQL
m/p-Xylene	11/2/99	1	2	BQL
o-Xylene	11/2/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	103

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles

by GCMS EPA 625

Client Sample ID: USTAS4141-OWS-E-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74598
Lab Project ID: G182-420
Matrix: Water

Date Collected: 10/22/99
Date Received: 10/23/99
Date Analyzed: 11/2/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles

by GCMS EPA 625

Client Sample ID: USTAS4141-OWS-E-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74598
Lab Project ID: G182-420
Matrix: Water

Date Collected: 10/22/99
Date Received: 10/23/99
Date Analyzed: 11/2/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	6.8	68
2-Fluorobiphenyl	10	10.2	102
2-Fluorophenol	10	9	90
4-Terphenyl-d14	10	10.6	106
Nitrobenzene-d5	10	9.6	96
Phenol-d6	10	9.3	93

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MN

Results for Semivolatiles

by GCMS EPA 625

Client Sample ID: USTAS4141-AS-E-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74599
Lab Project ID: G182-420
Matrix: Water

Date Collected: 10/22/99
Date Received: 10/23/99
Date Analyzed: 11/2/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles

by GCMS EPA 625

Client Sample ID: USTAS4141-AS-E-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74599
Lab Project ID: G182-420
Matrix: Water

Date Collected: 10/22/99
Date Received: 10/23/99
Date Analyzed: 11/2/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	6.4	64
2-Fluorobiphenyl	10	8	80
2-Fluorophenol	10	5.9	59
4-Terphenyl-d14	10	10.2	102
Nitrobenzene-d5	10	6.8	68
Phenol-d6	10	7.1	71

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS EPA 625

Client Sample ID: USTAS4141-ACA1-E-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74600
Lab Project ID: G182-420
Matrix: Water

Date Collected: 10/22/99
Date Received: 10/23/99
Date Analyzed: 11/2/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles

by GCMS EPA 625

Client Sample ID: USTAS4141-ACA1-E-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74600
Lab Project ID: G182-420
Matrix: Water

Date Collected: 10/22/99
Date Received: 10/23/99
Date Analyzed: 11/2/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	5.9	59
2-Fluorobiphenyl	10	9.7	97
2-Fluorophenol	10	7.4	74
4-Terphenyl-d14	10	10.9	109
Nitrobenzene-d5	10	8.9	89
Phenol-d6	10	8.7	87

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS EPA 625

Client Sample ID: USTAS4141-EFF-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74601
Lab Project ID: G182-420
Matrix: Water

Date Collected: 10/22/99
Date Received: 10/23/99
Date Analyzed: 11/2/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles
by GCMS EPA 625

Client Sample ID: USTAS4141-EFF-99D1
Client Project ID: JP-5 Line Area
Lab Sample ID: 74601
Lab Project ID: G182-420
Matrix: Water

Date Collected: 10/22/99
Date Received: 10/23/99
Date Analyzed: 11/2/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	5.3	53
2-Fluorobiphenyl	10	9.3	93
2-Fluorophenol	10	6.5	65
4-Terphenyl-d14	10	11.4	114
Nitrobenzene-d5	10	7.9	79
Phenol-d6	10	7.8	78

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way.Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 10/22/99
Turnaround: Standard
Job Number T.O # 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE	Analyses: 602 **	Analyses: 625	Comments
USTAS4141-OWS-E-99D1	10/22/99	10:35	W	3	1	X	X	G182420
USTAS4141-AS-E-99D1		10:40	W	3	1	X	X	602** analysis is to include
USTAS4141-ACA1-E-99D1		10:50	W	3	1	X	X	methyl-tert-butyl-ether
USTAS4141-EFF-99D1	10/22/99	10:55	W	3	1	X	X	

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	10/22/99	1600	E. Rales	10/23/99	10:30	1.5

Sampled By	Airbill #
R. Sample	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72908
Lab Project ID: G182-395

Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	9/29/99	1	1	BQL	
Chlorobenzene	9/29/99	1	1	BQL	
1,2-Dichlorobenzene	9/29/99	1	2	BQL	
1,3-Dichlorobenzene	9/29/99	1	2	BQL	
1,4-Dichlorobenzene	9/29/99	1	2	BQL	
Ethylbenzene	9/29/99	1	1		2
Methyl-tert-butyl ether (MTBE)	9/29/99	1	2	BQL	
Toluene	9/29/99	1	1	BQL	
m/p-Xylene	9/29/99	1	2		3
o-Xylene	9/29/99	1	2		4

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	107

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-AS-E-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72909
Lab Project ID: G182-395

Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/29/99	1	1	BQL
Chlorobenzene	9/29/99	1	1	BQL
1,2-Dichlorobenzene	9/29/99	1	2	BQL
1,3-Dichlorobenzene	9/29/99	1	2	BQL
1,4-Dichlorobenzene	9/29/99	1	2	BQL
Ethylbenzene	9/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/29/99	1	2	BQL
Toluene	9/29/99	1	1	BQL
m/p-Xylene	9/29/99	1	2	BQL
o-Xylene	9/29/99	1	2	BQL

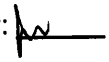
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	103

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72910
Lab Project ID: G182-395

Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/29/99	1	1	BQL
Chlorobenzene	9/29/99	1	1	BQL
1,2-Dichlorobenzene	9/29/99	1	2	BQL
1,3-Dichlorobenzene	9/29/99	1	2	BQL
1,4-Dichlorobenzene	9/29/99	1	2	BQL
Ethylbenzene	9/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/29/99	1	2	BQL
Toluene	9/29/99	1	1	BQL
m/p-Xylene	9/29/99	1	2	BQL
o-Xylene	9/29/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72911
Lab Project ID: G182-395

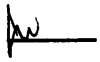
Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/29/99	1	1	BQL
Chlorobenzene	9/29/99	1	1	BQL
1,2-Dichlorobenzene	9/29/99	1	2	BQL
1,3-Dichlorobenzene	9/29/99	1	2	BQL
1,4-Dichlorobenzene	9/29/99	1	2	BQL
Ethylbenzene	9/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/29/99	1	2	BQL
Toluene	9/29/99	1	1	BQL
m/p-Xylene	9/29/99	1	2	BQL
o-Xylene	9/29/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72908
Lab Project ID: G182-395
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72908
Lab Project ID: G182-395
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	13
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.3	83
2-Fluorobiphenyl	10	8.9	89
2-Fluorophenol	10	7.2	72
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	7.7	77
Phenol-d6	10	7.8	78

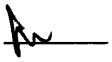
Comments:

Results are corrected for %solids and dilution where applicable.

Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72909
Lab Project ID: G182-395
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72909
Lab Project ID: G182-395
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

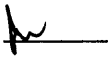
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.4	84
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	8	80
4-Terphenyl-d14	10	12	120
Nitrobenzene-d5	10	8.4	84
Phenol-d6	10	8.2	82

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72910
Lab Project ID: G182-395
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72910
Lab Project ID: G182-395
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	7.2	72
2-Fluorobiphenyl	10	9.8	98
2-Fluorophenol	10	8.1	81
4-Terphenyl-d14	10	12	120
Nitrobenzene-d5	10	8.3	83
Phenol-d6	10	8.1	81

Comments:

Results are corrected for %solids and dilution where applicable.

Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72911
Lab Project ID: G182-395
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99C3
Client Project ID: JP-5 Line Area
Lab Sample ID: 72911
Lab Project ID: G182-395
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

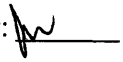
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	7.1	71
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	6.8	68
4-Terphenyl-d14	10	13	130
Nitrobenzene-d5	10	7.3	73
Phenol-d6	10	7.4	74

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 9/23/99
Turnaround: Standard
Job Number: T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE	Preservative & No. Bottles	Preservative & No. Bottles	Analyses: 602 **	Analyses: 625	Analyses	Analyses	Analyses	Analyses	Analyses	Comments
USTAS4141-OWS-E-99C3	9/23/99	0850	W	3	1			X	X						6182-395
USTAS4141-AS-E-99C3	9/23/99	0900	W	3	1			X	X						602** analysis is to include
USTAS4141-ACA1-E-99C3	9/23/99	0905	W	3	1			X	X						methyl-tert-butyl-ether.
USTAS4141-EFF-99C3	9/23/99	0910	W	3	1			X	X						
															Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	9/23/99	1600	E. Radus	9/24/99	1012	0.3

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OWS-E-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70954
Lab Project ID: G182-377

Analyzed By: ELP
Date Collected: 08/19/99
Date Received: 08/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/26/99	1	1	BQL
Chlorobenzene	8/26/99	1	1	BQL
1,2-Dichlorobenzene	8/26/99	1	2	BQL
1,3-Dichlorobenzene	8/26/99	1	2	BQL
1,4-Dichlorobenzene	8/26/99	1	2	BQL
Ethylbenzene	8/26/99	1	1	**2**
Methyl-tert-butyl ether (MTBE)	8/26/99	1	2	BQL
Toluene	8/26/99	1	1	BQL
m/p-Xylene	8/26/99	1	2	**6**
o-Xylene	8/26/99	1	2	**21**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	108

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-AS-E-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70955
Lab Project ID: G182-377

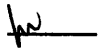
Analyzed By: ELP
Date Collected: 08/19/99
Date Received: 08/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/26/99	1	1	BQL
Chlorobenzene	8/26/99	1	1	BQL
1,2-Dichlorobenzene	8/26/99	1	2	BQL
1,3-Dichlorobenzene	8/26/99	1	2	BQL
1,4-Dichlorobenzene	8/26/99	1	2	BQL
Ethylbenzene	8/26/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/26/99	1	2	BQL
Toluene	8/26/99	1	1	BQL
m/p-Xylene	8/26/99	1	2	BQL
o-Xylene	8/26/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	107

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-ACA1-E-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70956
Lab Project ID: G182-377

Analyzed By: ELP
Date Collected: 08/19/99
Date Received: 08/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/26/99	1	1	BQL
Chlorobenzene	8/26/99	1	1	BQL
1,2-Dichlorobenzene	8/26/99	1	2	BQL
1,3-Dichlorobenzene	8/26/99	1	2	BQL
1,4-Dichlorobenzene	8/26/99	1	2	BQL
Ethylbenzene	8/26/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/26/99	1	2	BQL
Toluene	8/26/99	1	1	BQL
m/p-Xylene	8/26/99	1	2	BQL
o-Xylene	8/26/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	107

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: [signature]

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-EFF-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70957
Lab Project ID: G182-377

Analyzed By: ELP
Date Collected: 08/19/99
Date Received: 08/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/26/99	1	1	BQL
Chlorobenzene	8/26/99	1	1	BQL
1,2-Dichlorobenzene	8/26/99	1	2	BQL
1,3-Dichlorobenzene	8/26/99	1	2	BQL
1,4-Dichlorobenzene	8/26/99	1	2	BQL
Ethylbenzene	8/26/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/26/99	1	2	BQL
Toluene	8/26/99	1	1	BQL
m/p-Xylene	8/26/99	1	2	BQL
o-Xylene	8/26/99	1	2	BQL

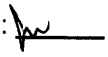
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	107

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70954
Lab Project ID: G182-377
Matrix: Water

Date Analyzed: 8/26/99
Analyzed By: MRC
Date Collected: 8/19/99
Date Received: 8/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**26**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	**17**
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70954
Lab Project ID: G182-377
Matrix: Water

Date Analyzed: 8/26/99
Analyzed By: MRC
Date Collected: 8/19/99
Date Received: 8/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	**30**
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	**10**
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	11	110
2-Fluorobiphenyl	10	7.1	71
2-Fluorophenol	10	6.4	64
4-Terphenyl-d14	10	6.1	61
Nitrobenzene-d5	10	8.2	82
Phenol-d6	10	7.7	77

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70955
Lab Project ID: G182-377
Matrix: Water

Date Analyzed: 8/26/99
Analyzed By: MRC
Date Collected: 8/19/99
Date Received: 8/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70955
Lab Project ID: G182-377
Matrix: Water

Date Analyzed: 8/26/99
Analyzed By: MRC
Date Collected: 8/19/99
Date Received: 8/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	9.8	98
2-Fluorobiphenyl	10	7.7	77
2-Fluorophenol	10	6.5	65
4-Terphenyl-d14	10	7.6	76
Nitrobenzene-d5	10	7.4	74
Phenol-d6	10	7.5	75

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70956
Lab Project ID: G182-377
Matrix: Water

Date Analyzed: 8/26/99
Analyzed By: MRC
Date Collected: 8/19/99
Date Received: 8/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70956
Lab Project ID: G182-377
Matrix: Water

Date Analyzed: 8/26/99
Analyzed By: MRC
Date Collected: 8/19/99
Date Received: 8/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.3	83
2-Fluorobiphenyl	10	7.6	76
2-Fluorophenol	10	6.9	69
4-Terphenyl-d14	10	7.9	79
Nitrobenzene-d5	10	7.7	77
Phenol-d6	10	7.5	75

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70957
Lab Project ID: G182-377
Matrix: Water

Date Analyzed: 8/26/99
Analyzed By: MRC
Date Collected: 8/19/99
Date Received: 8/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99C2
Client Project ID: JP-5 Line Area
Lab Sample ID: 70957
Lab Project ID: G182-377
Matrix: Water

Date Analyzed: 8/26/99
Analyzed By: MRC
Date Collected: 8/19/99
Date Received: 8/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.6	86
2-Fluorobiphenyl	10	8	80
2-Fluorophenol	10	6.9	69
4-Terphenyl-d14	10	8.2	82
Nitrobenzene-d5	10	8.2	82
Phenol-d6	10	7.9	79

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way
Address: Suite 10
Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 8/19/99
Turnaround: Standard
Job Number: T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

Paradigm Quote # :

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE	Preservative & No. Bottles:	Preservative & No. Bottles:	Analyses: 602 **	Analyses: 625	Analyses:	Analyses:	Analyses:	Analyses:	Analyses:
USTAS4141-OWS-E-99C2	8/19/99	0850	W	3	1			X	X					
USTAS4141-AS-E-99C2	8/19/99	0855	W	3	1			X	X					
USTAS4141-ACA1-E-99C2	8/19/99	0905	W	3	1			X	X					
USTAS4141-EFF-99C2	8/19/99	0910	W	3	1			X	X					

G182-377

602** analysis is to include methyl-tert-butyl-ether.

Temp. blank provided by lab.

EDD

Send To;
evansp@clb.usmc.mil

Copy To:
pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	8/19/99	1600		8/21/99	9:43	3.3°C
						2.4°C
						0.0°C
						1.4°C
						2.0°C

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

PARADIGM ANALYTICAL LABORATORIES, INC.

Facsimile Cover Sheet

Results enclosed ☐

TO: Casey Hudson
Name Company Fax Number

FROM: Emily
Name

DATE: 8/31

RE: JP-5 Line Area

COMMENTS

Please call (910) 350-1903 regarding any problems with this transmission.

Cover Sheet + _____ Pages

Paradigm Analytical Laboratories
2627 Northchase Parkway SE
Wilmington, NC 28405
Fax: (910) 350-1557

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69618
Lab Project ID: G182-365

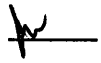
Analyzed By: CKC
Date Collected: 07/30/99
Date Received: 07/31/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/8/99	1	1	**2**
Chlorobenzene	8/8/99	1	1	BQL
1,2-Dichlorobenzene	8/8/99	1	2	BQL
1,3-Dichlorobenzene	8/8/99	1	2	BQL
1,4-Dichlorobenzene	8/8/99	1	2	BQL
Ethylbenzene	8/8/99	1	1	**6**
Methyl-tert-butyl ether (MTBE)	8/8/99	1	2	BQL
Toluene	8/8/99	1	1	**3**
m/p-Xylene	8/8/99	1	2	**40**
o-Xylene	8/8/99	1	2	**30**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-AS-E-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69619
Lab Project ID: G182-365

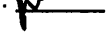
Analyzed By: CKC
Date Collected: 07/30/99
Date Received: 07/31/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/8/99	1	1	BQL
Chlorobenzene	8/8/99	1	1	BQL
1,2-Dichlorobenzene	8/8/99	1	2	BQL
1,3-Dichlorobenzene	8/8/99	1	2	BQL
1,4-Dichlorobenzene	8/8/99	1	2	BQL
Ethylbenzene	8/8/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/8/99	1	2	BQL
Toluene	8/8/99	1	1	BQL
m/p-Xylene	8/8/99	1	2	BQL
o-Xylene	8/8/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69620
Lab Project ID: G182-365

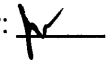
Analyzed By: CKC
Date Collected: 07/30/99
Date Received: 07/31/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/8/99	1	1	BQL
Chlorobenzene	8/8/99	1	1	BQL
1,2-Dichlorobenzene	8/8/99	1	2	BQL
1,3-Dichlorobenzene	8/8/99	1	2	BQL
1,4-Dichlorobenzene	8/8/99	1	2	BQL
Ethylbenzene	8/8/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/8/99	1	2	BQL
Toluene	8/8/99	1	1	BQL
m/p-Xylene	8/8/99	1	2	BQL
o-Xylene	8/8/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69621
Lab Project ID: G182-365

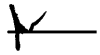
Analyzed By: CKC
Date Collected: 07/30/99
Date Received: 07/31/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/8/99	1	1	BQL
Chlorobenzene	8/8/99	1	1	BQL
1,2-Dichlorobenzene	8/8/99	1	2	BQL
1,3-Dichlorobenzene	8/8/99	1	2	BQL
1,4-Dichlorobenzene	8/8/99	1	2	BQL
Ethylbenzene	8/8/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/8/99	1	2	BQL
Toluene	8/8/99	1	1	BQL
m/p-Xylene	8/8/99	1	2	BQL
o-Xylene	8/8/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: Trip Blank
Client Project ID: JP-5 Line Area
Lab Sample ID: 69622
Lab Project ID: G182-365

Analyzed By: CKC
Date Collected: 07/30/99
Date Received: 07/31/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/11/99	1	1	BQL
Chlorobenzene	8/11/99	1	1	BQL
1,2-Dichlorobenzene	8/11/99	1	2	BQL
1,3-Dichlorobenzene	8/11/99	1	2	BQL
1,4-Dichlorobenzene	8/11/99	1	2	BQL
Ethylbenzene	8/11/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/11/99	1	2	BQL
Toluene	8/11/99	1	1	BQL
m/p-Xylene	8/11/99	1	2	BQL
o-Xylene	8/11/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69618
Lab Project ID: G182-365
Matrix: Water

Date Analyzed: 8/5/99
Analyzed By: MRC
Date Collected: 7/30/99
Date Received: 7/31/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**17**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69618
Lab Project ID: G182-365
Matrix: Water

Date Analyzed: 8/5/99
Analyzed By: MRC
Date Collected: 7/30/99
Date Received: 7/31/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	46
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	10	100
2-Fluorobiphenyl	10	9.9	99
2-Fluorophenol	10	8.6	86
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	10	100
Phenol-d6	10	9	90

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69619
Lab Project ID: G182-365
Matrix: Water

Date Analyzed: 8/5/99
Analyzed By: MRC
Date Collected: 7/30/99
Date Received: 7/31/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69619
Lab Project ID: G182-365
Matrix: Water

Date Analyzed: 8/5/99
Analyzed By: MRC
Date Collected: 7/30/99
Date Received: 7/31/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	11	110
2-Fluorobiphenyl	10	10	100
2-Fluorophenol	10	8.7	87
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	10	100
Phenol-d6	10	9.4	94

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69620
Lab Project ID: G182-365
Matrix: Water

Date Analyzed: 8/5/99
Analyzed By: MRC
Date Collected: 7/30/99
Date Received: 7/31/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69620
Lab Project ID: G182-365
Matrix: Water

Date Analyzed: 8/5/99
Analyzed By: MRC
Date Collected: 7/30/99
Date Received: 7/31/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

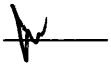
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.9	89
2-Fluorobiphenyl	10	8	80
2-Fluorophenol	10	5.8	58
4-Terphenyl-d14	10	12	120
Nitrobenzene-d5	10	7.4	74
Phenol-d6	10	7	70

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69621
Lab Project ID: G182-365
Matrix: Water

Date Analyzed: 8/5/99
Analyzed By: MRC
Date Collected: 7/30/99
Date Received: 7/31/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99C1
Client Project ID: JP-5 Line Area
Lab Sample ID: 69621
Lab Project ID: G182-365
Matrix: Water

Date Analyzed: 8/5/99
Analyzed By: MRC
Date Collected: 7/30/99
Date Received: 7/31/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	9.6	96
2-Fluorobiphenyl	10	10	100
2-Fluorophenol	10	8.8	88
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	9.3	93
Phenol-d6	10	9.1	91

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way
Address: Suite 10
Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 7/30/99
Turnaround: Standard
Job Number: T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

Paradigm Quote # :

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: NONE			Analyses: 602 **	Analyses: 625						Comments
USTAS4141-OWS-E-99C1	7/30/99	8:55	W	3	1			X	X						602** analysis is to include
USTAS4141-AS-E-99C1	7/30/99	9:05	W	3	1			X	X						methyl-tert-butyl-ether.
USTAS4141-ACA1-E-99C1	7/30/99	9:15	W	3	1			X	X						
USTAS4141-EFF-99C1	7/30/99	9:20	W	3	1			X	X						Temp. blank provided by lab.

EDD 6182-305

No Further Entries this Page

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	7/30/99	16:00		7/31/99	1000	3.1°C

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OWS-E-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66088
Lab Project ID: G182-340

Analyzed By: ELP
Date Collected: 06/16/99
Date Received: 06/17/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/28/99	1	1	**2**
Chlorobenzene	6/28/99	1	1	BQL
1,2-Dichlorobenzene	6/28/99	1	2	BQL
1,3-Dichlorobenzene	6/28/99	1	2	BQL
1,4-Dichlorobenzene	6/28/99	1	2	BQL
Ethylbenzene	6/28/99	1	1	**16**
Methyl-tert-butyl ether (MTBE)	6/28/99	1	2	BQL
Toluene	6/28/99	1	1	**1**
m/p-Xylene	6/28/99	1	2	**32**
o-Xylene	6/28/99	1	2	**32**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-AS-E-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66089
Lab Project ID: G182-340

Analyzed By: ELP
Date Collected: 06/16/99
Date Received: 06/17/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/28/99	1	1	BQL
Chlorobenzene	6/28/99	1	1	BQL
1,2-Dichlorobenzene	6/28/99	1	2	BQL
1,3-Dichlorobenzene	6/28/99	1	2	BQL
1,4-Dichlorobenzene	6/28/99	1	2	BQL
Ethylbenzene	6/28/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/28/99	1	2	BQL
Toluene	6/28/99	1	1	BQL
m/p-Xylene	6/28/99	1	2	BQL
o-Xylene	6/28/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66090
Lab Project ID: G182-340

Analyzed By: ELP
Date Collected: 06/16/99
Date Received: 06/17/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/28/99	1	1	BQL
Chlorobenzene	6/28/99	1	1	BQL
1,2-Dichlorobenzene	6/28/99	1	2	BQL
1,3-Dichlorobenzene	6/28/99	1	2	BQL
1,4-Dichlorobenzene	6/28/99	1	2	BQL
Ethylbenzene	6/28/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/28/99	1	2	BQL
Toluene	6/28/99	1	1	BQL
m/p-Xylene	6/28/99	1	2	BQL
o-Xylene	6/28/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-EFF-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66091
Lab Project ID: G182-340

Analyzed By: ELP
Date Collected: 06/16/99
Date Received: 06/17/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/28/99	1	1	BQL
Chlorobenzene	6/28/99	1	1	BQL
1,2-Dichlorobenzene	6/28/99	1	2	BQL
1,3-Dichlorobenzene	6/28/99	1	2	BQL
1,4-Dichlorobenzene	6/28/99	1	2	BQL
Ethylbenzene	6/28/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/28/99	1	2	BQL
Toluene	6/28/99	1	1	BQL
m/p-Xylene	6/28/99	1	2	BQL
o-Xylene	6/28/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66088
Lab Project ID: G182-340
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66088
Lab Project ID: G182-340
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	**110**
2-Methylnaphthalene	10	**94**
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	**79**
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	12	120
2-Fluorobiphenyl	10	9.3	93
2-Fluorophenol	10	7.9	79
4-Terphenyl-d14	10	12	120
Nitrobenzene-d5	10	9.3	93
Phenol-d6	10	9	90

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66089
Lab Project ID: G182-340
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66089
Lab Project ID: G182-340
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	10	100
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	6.6	66
4-Terphenyl-d14	10	12	120
Nitrobenzene-d5	10	7.5	75
Phenol-d6	10	8	80

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66090
Lab Project ID: G182-340
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66090
Lab Project ID: G182-340
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	7.4	74
2-Fluorobiphenyl	10	6	60
2-Fluorophenol	10	4	40
4-Terphenyl-d14	10	6.9	69
Nitrobenzene-d5	10	5.6	56
Phenol-d6	10	5.4	54

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66091
Lab Project ID: G182-340
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99B3
Client Project ID: JP-5 Line Area
Lab Sample ID: 66091
Lab Project ID: G182-340
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

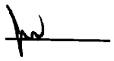
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	11	110
2-Fluorobiphenyl	10	11	110
2-Fluorophenol	10	10	100
4-Terphenyl-d14	10	14	140
Nitrobenzene-d5	10	10	100
Phenol-d6	10	11	110

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way
Address: Suite 10
Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 6/16/99
Turnaround: Standard
Job Number: T.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

Paradigm Quote # :

T.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: none	Preservative & No. Bottles	Preservative & No. Bottles	Analyses: 602 **	Analyses: 625	Analyses	Analyses	Analyses	Analyses	Analyses	Comments
															EED 6182-340
USTAS4141-OWS-E-99B3		8:40	W	3	1			X	X						
USTAS4141-AS-E-99B3		8:50	W	3	1			X	X						602** analysis is to include
USTAS4141-ACA1-E-99B3		9:00	W	3	1			X	X						methyl-tert-butyl-ether.
USTAS4141-EFF-99B3		9:10	W	3	1			X	X						
															Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	6/16/99	14:00	A Nyong	6/17/99	10:23	1.1°C

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62073
Lab Project ID: G182-311

Analyzed By: ELP
Date Collected: 04/26/99
Date Received: 04/27/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/6/99	1	1	**2**
Chlorobenzene	5/6/99	1	1	BQL
1,2-Dichlorobenzene	5/6/99	1	2	BQL
1,3-Dichlorobenzene	5/6/99	1	2	BQL
1,4-Dichlorobenzene	5/6/99	1	2	BQL
Ethylbenzene	5/6/99	1	1	**16**
Methyl-tert-butyl ether (MTBE)	5/6/99	1	2	BQL
Toluene	5/6/99	1	1	**4**
m/p-Xylene	5/6/99	1	2	**52**
o-Xylene	5/6/99	1	2	**44**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-AS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62074
Lab Project ID: G182-311

Analyzed By: ELP
Date Collected: 04/26/99
Date Received: 04/27/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/6/99	1	1	BQL
Chlorobenzene	5/6/99	1	1	BQL
1,2-Dichlorobenzene	5/6/99	1	2	BQL
1,3-Dichlorobenzene	5/6/99	1	2	BQL
1,4-Dichlorobenzene	5/6/99	1	2	BQL
Ethylbenzene	5/6/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/6/99	1	2	BQL
Toluene	5/6/99	1	1	BQL
m/p-Xylene	5/6/99	1	2	BQL
o-Xylene	5/6/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62075
Lab Project ID: G182-311

Analyzed By: ELP
Date Collected: 04/26/99
Date Received: 04/27/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/6/99	1	1	BQL
Chlorobenzene	5/6/99	1	1	BQL
1,2-Dichlorobenzene	5/6/99	1	2	BQL
1,3-Dichlorobenzene	5/6/99	1	2	BQL
1,4-Dichlorobenzene	5/6/99	1	2	BQL
Ethylbenzene	5/6/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/6/99	1	2	BQL
Toluene	5/6/99	1	1	BQL
m/p-Xylene	5/6/99	1	2	BQL
o-Xylene	5/6/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62076
Lab Project ID: G182-311

Analyzed By: ELP
Date Collected: 04/26/99
Date Received: 04/27/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/6/99	1	1	BQL
Chlorobenzene	5/6/99	1	1	BQL
1,2-Dichlorobenzene	5/6/99	1	2	BQL
1,3-Dichlorobenzene	5/6/99	1	2	BQL
1,4-Dichlorobenzene	5/6/99	1	2	BQL
Ethylbenzene	5/6/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/6/99	1	2	BQL
Toluene	5/6/99	1	1	BQL
m/p-Xylene	5/6/99	1	2	BQL
o-Xylene	5/6/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62073
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62073
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	21
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	11	110
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	7.8	78
4-Terphenyl-d14	10	8.7	87
Nitrobenzene-d5	10	8.4	84
Phenol-d6	10	8.1	81

Reviewed By: MC

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62074
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62074
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	12	120
2-Fluorobiphenyl	10	9.1	91
2-Fluorophenol	10	7.2	72
4-Terphenyl-d14	10	10	100
Nitrobenzene-d5	10	8.2	82
Phenol-d6	10	8.5	85

Reviewed By: MW

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62075
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	16
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62075
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	9.6	96
2-Fluorobiphenyl	10	9.8	98
2-Fluorophenol	10	8.4	84
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	8.2	82

Reviewed By: mc

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62076
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62076
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	7.5	75
2-Fluorobiphenyl	10	9.4	94
2-Fluorophenol	10	8.7	87
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	8.8	88
Phenol-d6	10	7.7	77

Reviewed By: MR

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way
Address: Suite 10
Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 4/26/99
Turnaround: Standard
Job Number: D.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: D.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: None	Preservative & No. Bottles:	Preservative & No. Bottles:	Analyses: 602 **	Analyses: 625	Analyses:	Analyses:	Analyses:	Analyses:	Analyses:	Comments
USTAS4141-OWS-E-99B1	4/26/99	11:30	W	2	1			X	X						G182-31
USTAS4141-AS-E-99B1	4/26/99	11:35	W	2	1			X	X						602** analysis is to include
USTAS4141-ACA1-E-99B1	4/26/99	11:40	W	2	1			X	X						methyl-tert-butyl-ether.
USTAS4141-EFF-99B1	4/26/99	11:45	W	2	1			X	X						
															Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Connie Thendan	4/26/99	2:30	[illegible]	4/27/99	10:35	2.7°C

Sampled By	Airbill #
R. Sample	
T. Ellerman	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63937
Lab Project ID: G182-324

Analyzed By: ELP
Date Collected: 05/18/99
Date Received: 05/19/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/21/99	1	1	**3**
Chlorobenzene	5/21/99	1	1	BQL
1,2-Dichlorobenzene	5/21/99	1	2	BQL
1,3-Dichlorobenzene	5/21/99	1	2	BQL
1,4-Dichlorobenzene	5/21/99	1	2	BQL
Ethylbenzene	5/21/99	1	1	**17**
Methyl-tert-butyl ether (MTBE)	5/21/99	1	2	BQL
Toluene	5/21/99	1	1	**3**
m/p-Xylene	5/21/99	1	2	**48**
o-Xylene	5/21/99	1	2	**40**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-AS-E-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63938
Lab Project ID: G182-324

Analyzed By: ELP
Date Collected: 05/18/99
Date Received: 05/19/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/21/99	1	1	BQL
Chlorobenzene	5/21/99	1	1	BQL
1,2-Dichlorobenzene	5/21/99	1	2	BQL
1,3-Dichlorobenzene	5/21/99	1	2	BQL
1,4-Dichlorobenzene	5/21/99	1	2	BQL
Ethylbenzene	5/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/21/99	1	2	BQL
Toluene	5/21/99	1	1	BQL
m/p-Xylene	5/21/99	1	2	BQL
o-Xylene	5/21/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63939
Lab Project ID: G182-324

Analyzed By: ELP
Date Collected: 05/18/99
Date Received: 05/19/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/21/99	1	1	BQL
Chlorobenzene	5/21/99	1	1	BQL
1,2-Dichlorobenzene	5/21/99	1	2	BQL
1,3-Dichlorobenzene	5/21/99	1	2	BQL
1,4-Dichlorobenzene	5/21/99	1	2	BQL
Ethylbenzene	5/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/21/99	1	2	BQL
Toluene	5/21/99	1	1	BQL
m/p-Xylene	5/21/99	1	2	BQL
o-Xylene	5/21/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63940
Lab Project ID: G182-324

Analyzed By: ELP
Date Collected: 05/18/99
Date Received: 05/19/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/22/99	1	1	BQL
Chlorobenzene	5/22/99	1	1	BQL
1,2-Dichlorobenzene	5/22/99	1	2	BQL
1,3-Dichlorobenzene	5/22/99	1	2	BQL
1,4-Dichlorobenzene	5/22/99	1	2	BQL
Ethylbenzene	5/22/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/22/99	1	2	BQL
Toluene	5/22/99	1	1	BQL
m/p-Xylene	5/22/99	1	2	BQL
o-Xylene	5/22/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63937
Lab Project ID: G182-324
Matrix: Water

Date Analyzed: 5/31/99
Analyzed By: MRC
Date Collected: 5/18/99
Date Received: 5/19/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63937
Lab Project ID: G182-324
Matrix: Water

Date Analyzed: 5/31/99
Analyzed By: MRC
Date Collected: 5/18/99
Date Received: 5/19/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	11	110
2-Fluorobiphenyl	10	8.4	84
2-Fluorophenol	10	7.4	74
4-Terphenyl-d14	10	9.3	93
Nitrobenzene-d5	10	8.1	81
Phenol-d6	10	7.9	79

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63938
Lab Project ID: G182-324
Matrix: Water

Date Analyzed: 5/31/99
Analyzed By: MRC
Date Collected: 5/18/99
Date Received: 5/19/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63938
Lab Project ID: G182-324
Matrix: Water

Date Analyzed: 5/31/99
Analyzed By: MRC
Date Collected: 5/18/99
Date Received: 5/19/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	9.8	98
2-Fluorobiphenyl	10	8.3	83
2-Fluorophenol	10	7.5	75
4-Terphenyl-d14	10	8.8	88
Nitrobenzene-d5	10	8.2	82
Phenol-d6	10	7.9	79

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63939
Lab Project ID: G182-324
Matrix: Water

Date Analyzed: 5/31/99
Analyzed By: MRC
Date Collected: 5/18/99
Date Received: 5/19/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

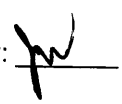
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63939
Lab Project ID: G182-324
Matrix: Water

Date Analyzed: 5/31/99
Analyzed By: MRC
Date Collected: 5/18/99
Date Received: 5/19/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	9.9	99
2-Fluorobiphenyl	10	7.5	75
2-Fluorophenol	10	4.7	47
4-Terphenyl-d14	10	10	100
Nitrobenzene-d5	10	6.4	64
Phenol-d6	10	6.3	63

Reviewed By: 

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63940
Lab Project ID: G182-324
Matrix: Water

Date Analyzed: 5/31/99
Analyzed By: MRC
Date Collected: 5/18/99
Date Received: 5/19/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

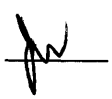
by GCMS 625

Client Sample ID: USTAS4141-EFF-99B2
Client Project ID: JP-5-Line Area
Lab Sample ID: 63940
Lab Project ID: G182-324
Matrix: Water

Date Analyzed: 5/31/99
Analyzed By: MRC
Date Collected: 5/18/99
Date Received: 5/19/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	9.6	96
2-Fluorobiphenyl	10	9.1	91
2-Fluorophenol	10	8.3	83
4-Terphenyl-d14	10	10	100
Nitrobenzene-d5	10	9	90
Phenol-d6	10	8.5	85

Reviewed By: 

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

NC Certification #481

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way
Address: Suite 10
Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 5/18/99
Turnaround: Standard
Job Number: D.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

D.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: None	Preservative & No. Bottles:	Preservative & No. Bottles:	Analyses: 602 **	Analyses: 625	Analyses:	Analyses:	Analyses:	Analyses:	Analyses:	Comments
USTAS4141-OWS-E-99B2	5/18/99	10:00	W	3	1			X	X						EDD G182-324
USTAS4141-AS-E-99B2	5/18/99	0930	W	3	1			X	X						602** analysis is to include
USTAS4141-ACA1-E-99B2	5/18/99	0945	W	3	1			X	X						methyl-tert-butyl-ether.
USTAS4141-EFF-99B2	5/18/99	0950	W	3	1			X	X						Trip & Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Connie Thurston	5/18/99	1343	ERalls	5/19/99	9:37	3.0°C

Sampled By	Airbill #
R. Sample	
T. Ellerman	

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way
Address: Suite 10
Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 5/18/99
Turnaround: Standard
Job Number: D.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: D.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: None	Analyses: 602 **	Analyses: 625	Comments
USTAS4141-OWS-E-99B2	5/18/99	10:00	W	3	1	X	X	EDD 6182-324
USTAS4141-AS-E-99B2	5/18/99	0930	W	3	1	X	X	602** analysis is to include
USTAS4141-ACA1-E-99B2	5/18/99	0945	W	3	1	X	X	methyl-tert-butyl-ether.
USTAS4141-EFF-99B2	5/18/99	0950	W	3	1	X	X	
								Trip & Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Connie Thurlow	5/18/99	1343	ERalls	5/19/99	9:37	3.0°C

Sampled By	Airbill #
R. Sample	
T. Ellerman	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62073
Lab Project ID: G182-311

Analyzed By: ELP
Date Collected: 04/26/99
Date Received: 04/27/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/6/99	1	1	**2**
Chlorobenzene	5/6/99	1	1	BQL
1,2-Dichlorobenzene	5/6/99	1	2	BQL
1,3-Dichlorobenzene	5/6/99	1	2	BQL
1,4-Dichlorobenzene	5/6/99	1	2	BQL
Ethylbenzene	5/6/99	1	1	**16**
Methyl-tert-butyl ether (MTBE)	5/6/99	1	2	BQL
Toluene	5/6/99	1	1	**4**
m/p-Xylene	5/6/99	1	2	**52**
o-Xylene	5/6/99	1	2	**44**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-AS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62074
Lab Project ID: G182-311

Analyzed By: ELP
Date Collected: 04/26/99
Date Received: 04/27/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/6/99	1	1	BQL
Chlorobenzene	5/6/99	1	1	BQL
1,2-Dichlorobenzene	5/6/99	1	2	BQL
1,3-Dichlorobenzene	5/6/99	1	2	BQL
1,4-Dichlorobenzene	5/6/99	1	2	BQL
Ethylbenzene	5/6/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/6/99	1	2	BQL
Toluene	5/6/99	1	1	BQL
m/p-Xylene	5/6/99	1	2	BQL
o-Xylene	5/6/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-ACA1-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62075
Lab Project ID: G182-311

Analyzed By: ELP
Date Collected: 04/26/99
Date Received: 04/27/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/6/99	1	1	BQL
Chlorobenzene	5/6/99	1	1	BQL
1,2-Dichlorobenzene	5/6/99	1	2	BQL
1,3-Dichlorobenzene	5/6/99	1	2	BQL
1,4-Dichlorobenzene	5/6/99	1	2	BQL
Ethylbenzene	5/6/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/6/99	1	2	BQL
Toluene	5/6/99	1	1	BQL
m/p-Xylene	5/6/99	1	2	BQL
o-Xylene	5/6/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62076
Lab Project ID: G182-311

Analyzed By: ELP
Date Collected: 04/26/99
Date Received: 04/27/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/6/99	1	1	BQL
Chlorobenzene	5/6/99	1	1	BQL
1,2-Dichlorobenzene	5/6/99	1	2	BQL
1,3-Dichlorobenzene	5/6/99	1	2	BQL
1,4-Dichlorobenzene	5/6/99	1	2	BQL
Ethylbenzene	5/6/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/6/99	1	2	BQL
Toluene	5/6/99	1	1	BQL
m/p-Xylene	5/6/99	1	2	BQL
o-Xylene	5/6/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62073
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62073
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	21
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	11	110
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	7.8	78
4-Terphenyl-d14	10	8.7	87
Nitrobenzene-d5	10	8.4	84
Phenol-d6	10	8.1	81

Reviewed By: MC

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62074
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-AS-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62074
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	12	120
2-Fluorobiphenyl	10	9.1	91
2-Fluorophenol	10	7.2	72
4-Terphenyl-d14	10	10	100
Nitrobenzene-d5	10	8.2	82
Phenol-d6	10	8.5	85

Reviewed By: MW

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62075
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	16
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62075
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	9.6	96
2-Fluorobiphenyl	10	9.8	98
2-Fluorophenol	10	8.4	84
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	8.2	82

Reviewed By: mc

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62076
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EFF-99B1
Client Project ID: JP-5 Line Area
Lab Sample ID: 62076
Lab Project ID: G182-311
Matrix: Water

Date Analyzed: 4/30/99
Analyzed By: MRC
Date Collected: 4/26/99
Date Received: 4/27/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	7.5	75
2-Fluorobiphenyl	10	9.4	94
2-Fluorophenol	10	8.7	87
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	8.8	88
Phenol-d6	10	7.7	77

Reviewed By: MR

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way
Address: Suite 10
Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 4/26/99
Turnaround: Standard
Job Number: D.O.# 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: D.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: None	Preservative & No. Bottles:	Preservative & No. Bottles:	Analyses: 602 **	Analyses: 625	Analyses:	Analyses:	Analyses:	Analyses:	Analyses:	Comments
USTAS4141-OWS-E-99B1	4/26/99	11:30	W	2	1			X	X						G182-31
USTAS4141-AS-E-99B1	4/26/99	11:35	W	2	1			X	X						602** analysis is to include
USTAS4141-ACA1-E-99B1	4/26/99	11:40	W	2	1			X	X						methyl-tert-butyl-ether.
USTAS4141-EFF-99B1	4/26/99	11:45	W	2	1			X	X						
															Temp. blank provided by lab.

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Connie Thendan	4/26/99	2:30	[illegible]	4/27/99	10:35	2.7°C

Sampled By	Airbill #
R. Sample	
T. Ellerman	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59333
Lab Project ID: G182-293
Matrix: Water

Date Analyzed: 4/10/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59333
Lab Project ID: G182-293
Matrix: Water

Date Analyzed: 4/10/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	79	79
2-Fluorobiphenyl	100	66	66
2-Fluorophenol	100	62	62
4-Terphenyl-d14	100	91	91
Nitrobenzene-d5	100	66	66
Phenol-d6	100	66	66

Reviewed By: [signature]

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59334
Lab Project ID: G182-293
Matrix: Water

Date Analyzed: 4/11/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59334
Lab Project ID: G182-293
Matrix: Water

Date Analyzed: 4/11/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	100	100
2-Fluorobiphenyl	100	87	87
2-Fluorophenol	100	85	85
4-Terphenyl-d14	100	100	100
Nitrobenzene-d5	100	88	88
Phenol-d6	100	89	89

Reviewed By: MRC

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59335
Lab Project ID: G182-293
Matrix: Water

Date Analyzed: 4/11/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-ACA1-E-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59335
Lab Project ID: G182-293
Matrix: Water

Date Analyzed: 4/11/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	91	91
2-Fluorobiphenyl	100	78	78
2-Fluorophenol	100	71	71
4-Terphenyl-d14	100	92	92
Nitrobenzene-d5	100	76	76
Phenol-d6	100	78	78

Reviewed By: MRC

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59336
Lab Project ID: G182-293
Matrix: Water

Date Analyzed: 4/11/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59336
Lab Project ID: G182-293
Matrix: Water

Date Analyzed: 4/11/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	92	92
2-Fluorobiphenyl	100	87	87
2-Fluorophenol	100	87	87
4-Terphenyl-d14	100	100	100
Nitrobenzene-d5	100	92	92
Phenol-d6	100	89	89

Reviewed By: [signature]

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OWS-E-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59333
Lab Project ID: G182-293

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	4

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	38	96

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-AS-E-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59334
Lab Project ID: G182-293

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	38	95

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-ACA1-E-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59335
Lab Project ID: G182-293

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	38	94

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EFF-99A3
Client Project ID: JP-5 Line Area
Lab Sample ID: 59336
Lab Project ID: G182-293

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	38	96

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client:	J.A. Jones	**Project ID:**	JP-5 Line Area	**Date:**	3/22/99
Address:	8936 Western Way	**P.O Number:**		**Turnaround:**	Standard
Address:	Suite 10	**Contact :**	Casey Hudson	**Job Number:**	D.O.# 46
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page**	1 of 1

Report To: Casey Hudson

Invoice To:

Paradigm Quote # : D.O. # 46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid				Analyses: 602 **	625						Comments
USTAS4141-OWS-E-99A3	3/22/99	8:06	W	X				X	X						602** analysis is to include
USTAS4141-AS-E-99A3	3/22/99	8:15	W	X				X	X						methyl-tert-butyl-ether.
USTAS4141-ACA1-E-99A3	3/22/99	8:20	W	X				X	X						
USTAS4141-EFF-99A3	3/22/99	8:25	W	X				X	X						Temp. blank provided by lab.

G182-293

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Thurston	3/22/99	12:10	E Rawls	3/23/99	9:47	0.9°C		

NC Certification #481

Paradigm Analytical Laboratories, Inc

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99A2
Client Project ID: JP-5
Lab Sample ID: 57172
Lab Project ID: G182-275
Matrix: Water

Date Analyzed: 3/5/99
Analyzed By: JPW
Date Collected: 2/22/99
Date Received: 2/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OWS-E-99A2
Client Project ID: JP-5
Lab Sample ID: 57172
Lab Project ID: G182-275
Matrix: Water

Date Analyzed: 3/5/99
Analyzed By: JPW
Date Collected: 2/22/99
Date Received: 2/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	**48**
2-Methylnaphthalene	10	**44**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	87	87
2-Fluorobiphenyl	100	84	84
2-Fluorophenol	100	110	110
4-Terphenyl-d14	100	83	83
Nitrobenzene-d5	100	85	85
Phenol-d6	100	92	92

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99A2
Client Project ID: JP-5
Lab Sample ID: 57173
Lab Project ID: G182-275
Matrix: Water

Date Analyzed: 3/5/99
Analyzed By: JPW
Date Collected: 2/22/99
Date Received: 2/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-AS-E-99A2
Client Project ID: JP-5
Lab Sample ID: 57173
Lab Project ID: G182-275
Matrix: Water

Date Analyzed: 3/5/99
Analyzed By: JPW
Date Collected: 2/22/99
Date Received: 2/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	97	97
2-Fluorobiphenyl	100	87	87
2-Fluorophenol	100	82	82
4-Terphenyl-d14	100	92	92
Nitrobenzene-d5	100	92	92
Phenol-d6	100	100	100

Reviewed By: MW

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACAI-E-99A2
Client Project ID: JP-5
Lab Sample ID: 57174
Lab Project ID: G182-275
Matrix: Water

Date Analyzed: 3/5/99
Analyzed By: JPW
Date Collected: 2/22/99
Date Received: 2/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-ACAI-E-99A2
Client Project ID: JP-5
Lab Sample ID: 57174
Lab Project ID: G182-275
Matrix: Water

Date Analyzed: 3/5/99
Analyzed By: JPW
Date Collected: 2/22/99
Date Received: 2/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	90	90
2-Fluorobiphenyl	100	75	75
2-Fluorophenol	100	94	94
4-Terphenyl-d14	100	97	97
Nitrobenzene-d5	100	85	85
Phenol-d6	100	88	88

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99A2
Client Project ID: JP-5
Lab Sample ID: 57175
Lab Project ID: G182-275
Matrix: Water

Date Analyzed: 3/5/99
Analyzed By: JPW
Date Collected: 2/22/99
Date Received: 2/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EFF-99A2
Client Project ID: JP-5
Lab Sample ID: 57175
Lab Project ID: G182-275
Matrix: Water

Date Analyzed: 3/5/99
Analyzed By: JPW
Date Collected: 2/22/99
Date Received: 2/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	86	86
2-Fluorobiphenyl	100	86	86
2-Fluorophenol	100	81	81
4-Terphenyl-d14	100	110	110
Nitrobenzene-d5	100	93	93
Phenol-d6	100	86	86

Reviewed By: MM

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OWS-E-99A2
Client Project ID: JP-5
Lab Sample ID: 57172
Lab Project ID: G182-275

Analyzed By: ELP
Date Collected: 02/22/99
Date Received: 02/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/26/99	1	1	BQL
Chlorobenzene	2/26/99	1	1	BQL
1,2-Dichlorobenzene	2/26/99	1	2	BQL
1,3-Dichlorobenzene	2/26/99	1	2	BQL
1,4-Dichlorobenzene	2/26/99	1	2	BQL
Ethylbenzene	2/26/99	1	1	**7**
Methyl-tert-butyl ether (MTBE)	2/26/99	1	2	BQL
Toluene	2/26/99	1	1	BQL
m/p-Xylene	2/26/99	1	2	**20**
o-Xylene	2/26/99	1	2	**20**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: [signature]

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-AS-E-99A2
Client Project ID: JP-5
Lab Sample ID: 57173
Lab Project ID: G182-275

Analyzed By: ELP
Date Collected: 02/22/99
Date Received: 02/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/26/99	1	1	BQL
Chlorobenzene	2/26/99	1	1	BQL
1,2-Dichlorobenzene	2/26/99	1	2	BQL
1,3-Dichlorobenzene	2/26/99	1	2	BQL
1,4-Dichlorobenzene	2/26/99	1	2	BQL
Ethylbenzene	2/26/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/26/99	1	2	BQL
Toluene	2/26/99	1	1	BQL
m/p-Xylene	2/26/99	1	2	BQL
o-Xylene	2/26/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: MM

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-ACAI-E-99A2
Client Project ID: JP-5
Lab Sample ID: 57174
Lab Project ID: G182-275

Analyzed By: ELP
Date Collected: 02/22/99
Date Received: 02/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/26/99	1	1	BQL
Chlorobenzene	2/26/99	1	1	BQL
1,2-Dichlorobenzene	2/26/99	1	2	BQL
1,3-Dichlorobenzene	2/26/99	1	2	BQL
1,4-Dichlorobenzene	2/26/99	1	2	BQL
Ethylbenzene	2/26/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/26/99	1	2	BQL
Toluene	2/26/99	1	1	BQL
m/p-Xylene	2/26/99	1	2	BQL
o-Xylene	2/26/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-EFF-99A2
Client Project ID: JP-5
Lab Sample ID: 57175
Lab Project ID: G182-275

Analyzed By: ELP
Date Collected: 02/22/99
Date Received: 02/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/26/99	1	1	BQL
Chlorobenzene	2/26/99	1	1	BQL
1,2-Dichlorobenzene	2/26/99	1	2	BQL
1,3-Dichlorobenzene	2/26/99	1	2	BQL
1,4-Dichlorobenzene	2/26/99	1	2	BQL
Ethylbenzene	2/26/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/26/99	1	2	BQL
Toluene	2/26/99	1	1	BQL
m/p-Xylene	2/26/99	1	2	BQL
o-Xylene	2/26/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway SE, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 08223

Page 1 of 1

Client: J.A. Jones Envir. Service | Project ID: JP-5 | Date: 2-22-99 | Report To: Casey Hudson
Address: 8936 western way, suite 10 | P.O. Number: | Turnaround: Standard | Same
Address: Jax FLA 32256 | Contact: Casey Hudson | Job Number:
Quote #: | Phone: 904-363-0911 | Invoice To: 46

Sample ID	Date	Time	Matrix	Preservatives: HCL	Analyses: 602	Analyses: 625	Comments: Please specify any special reporting requirements
USTAS 4141-GWS-E-99AZ	2-22-99	9:45	H2O	/	/	/	USEPA method 602 includes Analysis for Methyl-Tert-Butyl-Ether
USTAS 4141-AS-E-99AZ	2-22-99	9:44	H_2O	/	/	/	4182-275
USTAS 4141-AZAI-E-99AZ	2-22-99	9:52	H_2O	/	/	/	
USTAS 4141 EFF-99AZ	2-22-99	9:57	H_2O	/	/	/	

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
David Plantz	2-22-99	11:11	Emily Rallo	2/23/99	10:36	0.4°C	David Plantz	
							Terry Jaguin	

ORIGINAL

Paradigm Analytical Laboratories, Inc

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS 4141 OWS-E-99A1
Client Project ID: JP-5
Lab Sample ID: 55474
Lab Project ID: G182-264
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/21/99
Date Received: 1/22/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS 4141 OWS-E-99A1
Client Project ID: JP-5
Lab Sample ID: 55474
Lab Project ID: G182-264
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/21/99
Date Received: 1/22/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	65	65
2-Fluorobiphenyl	100	52	52
2-Fluorophenol	100	46	46
4-Terphenyl-d14	100	64	64
Nitrobenzene-d5	100	53	53
Phenol-d6	100	50	50

Reviewed By: [signature]

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS 4141 AS-E-99A1
Client Project ID: JP-5
Lab Sample ID: 55475
Lab Project ID: G182-264
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/21/99
Date Received: 1/22/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS 4141 AS-E-99A1
Client Project ID: JP-5
Lab Sample ID: 55475
Lab Project ID: G182-264
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/21/99
Date Received: 1/22/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	110	110
2-Fluorobiphenyl	100	88	88
2-Fluorophenol	100	83	83
4-Terphenyl-d14	100	100	100
Nitrobenzene-d5	100	92	92
Phenol-d6	100	92	92

Reviewed By: [signature]

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS 4141 ACA1-E-99A1
Client Project ID: JP-5
Lab Sample ID: 55476
Lab Project ID: G182-264
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/21/99
Date Received: 1/22/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS 4141 ACA1-E-99A1
Client Project ID: JP-5
Lab Sample ID: 55476
Lab Project ID: G182-264
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/21/99
Date Received: 1/22/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	72	72
2-Fluorobiphenyl	100	70	70
2-Fluorophenol	100	60	60
4-Terphenyl-d14	100	82	82
Nitrobenzene-d5	100	67	67
Phenol-d6	100	65	65

Reviewed By: [signature]

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS 4141 EFF-99A1
Client Project ID: JP-5
Lab Sample ID: 55477
Lab Project ID: G182-264
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/21/99
Date Received: 1/22/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS 4141 EFF-99A1
Client Project ID: JP-5
Lab Sample ID: 55477
Lab Project ID: G182-264
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/21/99
Date Received: 1/22/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Benzidine	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	79	79
2-Fluorobiphenyl	100	73	73
2-Fluorophenol	100	46	46
4-Terphenyl-d14	100	97	97
Nitrobenzene-d5	100	69	69
Phenol-d6	100	67	67

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Volatiles

by GC 602

Client Sample ID: USTAS 4141 OWS-E-99A1
Client Project ID: JP-5
Lab Sample ID: 55474
Lab Project ID: G182-264

Analyzed By: RNP
Date Collected: 01/21/99
Date Received: 01/22/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/30/99	1	1	**2**
Chlorobenzene	1/30/99	1	1	BQL
1,2-Dichlorobenzene	1/30/99	1	2	BQL
1,3-Dichlorobenzene	1/30/99	1	2	BQL
1,4-Dichlorobenzene	1/30/99	1	2	BQL
Ethylbenzene	1/30/99	1	1	**3**
Methyl-tert-butyl ether (MTBE)	1/30/99	1	2	BQL
Toluene	1/30/99	1	1	**1**
m/p-Xylene	1/30/99	1	2	**7**
o-Xylene	1/30/99	1	2	**16**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: _____

Results for Volatiles

by GC 602

Client Sample ID: USTAS 4141 AS-E-99A1
Client Project ID: JP-5
Lab Sample ID: 55475
Lab Project ID: G182-264

Analyzed By: RNP
Date Collected: 01/21/99
Date Received: 01/22/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/31/99	1	1	BQL
Chlorobenzene	1/31/99	1	1	BQL
1,2-Dichlorobenzene	1/31/99	1	2	BQL
1,3-Dichlorobenzene	1/31/99	1	2	BQL
1,4-Dichlorobenzene	1/31/99	1	2	BQL
Ethylbenzene	1/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/31/99	1	2	BQL
Toluene	1/31/99	1	1	BQL
m/p-Xylene	1/31/99	1	2	BQL
o-Xylene	1/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4141 ACA1-E-99A1
Client Project ID: JP-5
Lab Sample ID: 55476
Lab Project ID: G182-264

Analyzed By: ELP
Date Collected: 01/21/99
Date Received: 01/22/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/1/99	1	1	BQL
Chlorobenzene	2/1/99	1	1	BQL
1,2-Dichlorobenzene	2/1/99	1	2	BQL
1,3-Dichlorobenzene	2/1/99	1	2	BQL
1,4-Dichlorobenzene	2/1/99	1	2	BQL
Ethylbenzene	2/1/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/1/99	1	2	BQL
Toluene	2/1/99	1	1	BQL
m/p-Xylene	2/1/99	1	2	BQL
o-Xylene	2/1/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS 4141 EFF-99A1
Client Project ID: JP-5
Lab Sample ID: 55477
Lab Project ID: G182-264

Analyzed By: ELP
Date Collected: 01/21/99
Date Received: 01/22/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/1/99	1	1	BQL
Chlorobenzene	2/1/99	1	1	BQL
1,2-Dichlorobenzene	2/1/99	1	2	BQL
1,3-Dichlorobenzene	2/1/99	1	2	BQL
1,4-Dichlorobenzene	2/1/99	1	2	BQL
Ethylbenzene	2/1/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/1/99	1	2	BQL
Toluene	2/1/99	1	1	BQL
m/p-Xylene	2/1/99	1	2	BQL
o-Xylene	2/1/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	99

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway SE, Wilmington, NC 28405
Phone: (910)-350-1903 FAX: (910)-350-1557

Chain-of Custody Record & Analytical Request

COC# 16761

Page 1 of 1

Client: JA Jones Enviro. Srcv. Project ID: JP-5 Date: 01/21/99 Report To: Casey Hudson

Address: 8936 Western Way Suite 10 P.O. Number: Turnaround: STANDARD same

Address: Jacksonville, FL 32256 Contact: Casey Hudson Job Number:

Quote #: Phone: 904-363-0911

Invoice To: 046

Sample ID	Date	Time	Matrix	Preservatives: HCl	Analyses: 602	Analyses: 625
USTAS 4141 OWS-E-99A1	1/21/99	11:22	H2O			
USTAS 4141 CAS-E-99A1		11:26				
USTAS 4141 ACA1-E-99A1		11:25				
USTAS 4141 EFE-99A1		11:47				

Comments: Please specify any special reporting requirements

US EPA Method 602 includes analysis for Methyl-tert Butyl-Ether.

9192-204

NC Certification #481

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Sheridan	1/21/99	1:10	Emily Raker	1/22/99	9:15	0.2°C	C. Sheridan	
							R. Sample	

ORIGINAL

Paradigm Analytical Laboratories, Inc.

APPENDIX B

GROUNDWATER SAMPLE LABORATORY ANALYTICAL REPORTS

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OBG04-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58254
Lab Project ID: G182-810

Analyzed By: JTF
Date Collected: 12/02/02
Date Received: 12/04/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/6/02	1	1	BQL
Chlorobenzene	12/6/02	1	1	BQL
1,2-Dichlorobenzene	12/6/02	1	2	BQL
1,3-Dichlorobenzene	12/6/02	1	2	BQL
1,4-Dichlorobenzene	12/6/02	1	2	BQL
Ethylbenzene	12/6/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/6/02	1	2	BQL
Toluene	12/6/02	1	1	BQL
m/p-Xylene	12/6/02	1	2	BQL
o-Xylene	12/6/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: JW

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG05-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58255
Lab Project ID: G182-810

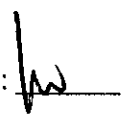
Analyzed By: JTF
Date Collected: 12/02/02
Date Received: 12/04/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/7/02	1	1	BQL
Chlorobenzene	12/7/02	1	1	BQL
1,2-Dichlorobenzene	12/7/02	1	2	BQL
1,3-Dichlorobenzene	12/7/02	1	2	BQL
1,4-Dichlorobenzene	12/7/02	1	2	BQL
Ethylbenzene	12/7/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/7/02	1	2	BQL
Toluene	12/7/02	1	1	BQL
m/p-Xylene	12/7/02	1	2	BQL
o-Xylene	12/7/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW07-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58256
Lab Project ID: G182-810

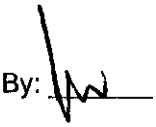
Analyzed By: JTF
Date Collected: 12/02/02
Date Received: 12/04/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/7/02	1	1	BQL
Chlorobenzene	12/7/02	1	1	BQL
1,2-Dichlorobenzene	12/7/02	1	2	BQL
1,3-Dichlorobenzene	12/7/02	1	2	BQL
1,4-Dichlorobenzene	12/7/02	1	2	BQL
Ethylbenzene	12/7/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/7/02	1	2	BQL
Toluene	12/7/02	1	1	BQL
m/p-Xylene	12/7/02	1	2	BQL
o-Xylene	12/7/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58257
Lab Project ID: G182-810

Analyzed By: JTF
Date Collected: 12/02/02
Date Received: 12/04/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/7/02	1	1	BQL
Chlorobenzene	12/7/02	1	1	BQL
1,2-Dichlorobenzene	12/7/02	1	2	BQL
1,3-Dichlorobenzene	12/7/02	1	2	BQL
1,4-Dichlorobenzene	12/7/02	1	2	BQL
Ethylbenzene	12/7/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/7/02	1	2	BQL
Toluene	12/7/02	1	1	BQL
m/p-Xylene	12/7/02	1	2	BQL
o-Xylene	12/7/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: JW

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58258
Lab Project ID: G182-810

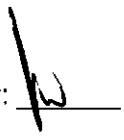
Analyzed By: JTF
Date Collected: 12/02/02
Date Received: 12/04/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/7/02	1	1	BQL
Chlorobenzene	12/7/02	1	1	BQL
1,2-Dichlorobenzene	12/7/02	1	2	BQL
1,3-Dichlorobenzene	12/7/02	1	2	BQL
1,4-Dichlorobenzene	12/7/02	1	2	BQL
Ethylbenzene	12/7/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/7/02	1	2	BQL
Toluene	12/7/02	1	1	BQL
m/p-Xylene	12/7/02	1	2	BQL
o-Xylene	12/7/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58259
Lab Project ID: G182-810

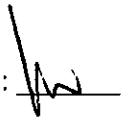
Analyzed By: JTF
Date Collected: 12/02/02
Date Received: 12/04/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/7/02	1	1	BQL
Chlorobenzene	12/7/02	1	1	BQL
1,2-Dichlorobenzene	12/7/02	1	2	BQL
1,3-Dichlorobenzene	12/7/02	1	2	BQL
1,4-Dichlorobenzene	12/7/02	1	2	BQL
Ethylbenzene	12/7/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/7/02	1	2	BQL
Toluene	12/7/02	1	1	BQL
m/p-Xylene	12/7/02	1	2	BQL
o-Xylene	12/7/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58260
Lab Project ID: G182-810

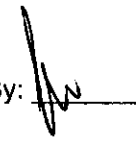
Analyzed By: JTF
Date Collected: 12/02/02
Date Received: 12/04/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/7/02	1	1	BQL
Chlorobenzene	12/7/02	1	1	BQL
1,2-Dichlorobenzene	12/7/02	1	2	BQL
1,3-Dichlorobenzene	12/7/02	1	2	BQL
1,4-Dichlorobenzene	12/7/02	1	2	BQL
Ethylbenzene	12/7/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/7/02	1	2	BQL
Toluene	12/7/02	1	1	BQL
m/p-Xylene	12/7/02	1	2	BQL
o-Xylene	12/7/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58254
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	14
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58254
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

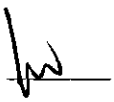
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.0	110
2-Fluorophenol	10	9.7	97
Nitrobenzene-d5	10	10.8	108
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	12.5	125
4-Terphenyl-d14	10	11.9	119

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58255
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**50**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58255
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.1	111
2-Fluorophenol	10	9.6	96
Nitrobenzene-d5	10	10.8	108
Phenol-d6	10	9.5	95
2,4,6-Tribromophenol	10	12.5	125
4-Terphenyl-d14	10	12.1	121

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW07-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58256
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**290**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58256
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.4	114
2-Fluorophenol	10	9.9	99
Nitrobenzene-d5	10	11.2	112
Phenol-d6	10	9.8	98
2,4,6-Tribromophenol	10	12.5	125
4-Terphenyl-d14	10	9.6	96

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-DUP-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58257
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	320
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58257
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.1	111
2-Fluorophenol	10	9.6	96
Nitrobenzene-d5	10	11.1	111
Phenol-d6	10	9.6	96
2,4,6-Tribromophenol	10	12.5	125
4-Terphenyl-d14	10	12.4	124

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58258
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	380
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58258
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.7	107
2-Fluorophenol	10	9.0	90
Nitrobenzene-d5	10	10.5	105
Phenol-d6	10	8.9	89
2,4,6-Tribromophenol	10	11.5	115
4-Terphenyl-d14	10	11.8	118

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58259
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**23**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58259
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

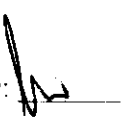
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.3	113
2-Fluorophenol	10	9.7	97
Nitrobenzene-d5	10	10.9	109
Phenol-d6	10	9.3	93
2,4,6-Tribromophenol	10	11.7	117
4-Terphenyl-d14	10	8.8	88

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58260
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-02D
Client Project ID: JP-5 Line Area
Lab Sample ID: 58260
Lab Project ID: G182-810
Matrix: Water

Date Collected: 12/2/2002
Date Received: 12/4/2002
Date Analyzed: 12/10/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.5	105
2-Fluorophenol	10	9.2	92
Nitrobenzene-d5	10	10.1	101
Phenol-d6	10	8.8	88
2,4,6-Tribromophenol	10	10.3	103
4-Terphenyl-d14	10	13.6	136

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date: 12/2/02
Turnaround: Standard
Job Number: T.O. # 67F
Page 1 of 1

Report To:
Tracy Thrift

Invoice To:

Paradigm Quote # : T.O. 67F

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	none			Analyses: 602	625						Comments
															G182-810
USTAS4141-OBG04-02D	12/2/02	1411	GW	3	1			X	X						
USTAS4141-OBG05-02D	12/2/02	1425	GW	3	1			X	X						
USTAS4141-MW07-02D	12/2/02	1520	GW	3	1			X	X						
USTAS4141-DUP-02D	12/2/02	——	GW	3	1			X	X						EDD
USTAS4141-MW13-02D	12/2/02	1345	GW	3	1			X	X						**Send To:**
USTAS4141-MW08-02D	12/2/02	1540	GW	3	1			X	X						**evansp@clb.usmc.mil**
USTAS4141-EQ-02D	12/2/02	1700	W	3	1			X	X						**Copy To:**
															pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	12/3/02	1400	[illegible]	12/4	1355	5.8, 5.9		

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG04-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46486
Lab Project ID: G182-777

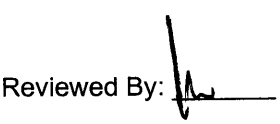
Analyzed By: EKR
Date Collected: 06/19/02
Date Received: 06/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/29/02	1	1	BQL
Chlorobenzene	6/29/02	1	1	BQL
1,2-Dichlorobenzene	6/29/02	1	2	BQL
1,3-Dichlorobenzene	6/29/02	1	2	BQL
1,4-Dichlorobenzene	6/29/02	1	2	BQL
Ethylbenzene	6/29/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/29/02	1	2	BQL
Toluene	6/29/02	1	1	BQL
m/p-Xylene	6/29/02	1	2	BQL
o-Xylene	6/29/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	108

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OBG05-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46487
Lab Project ID: G182-777

Analyzed By: EES
Date Collected: 06/19/02
Date Received: 06/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/29/02	1	1	BQL
Chlorobenzene	6/29/02	1	1	BQL
1,2-Dichlorobenzene	6/29/02	1	2	BQL
1,3-Dichlorobenzene	6/29/02	1	2	BQL
1,4-Dichlorobenzene	6/29/02	1	2	BQL
Ethylbenzene	6/29/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/29/02	1	2	BQL
Toluene	6/29/02	1	1	BQL
m/p-Xylene	6/29/02	1	2	BQL
o-Xylene	6/29/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW07-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46488
Lab Project ID: G182-777

Analyzed By: EES
Date Collected: 06/19/02
Date Received: 06/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/29/02	1	1	BQL
Chlorobenzene	6/29/02	1	1	BQL
1,2-Dichlorobenzene	6/29/02	1	2	BQL
1,3-Dichlorobenzene	6/29/02	1	2	BQL
1,4-Dichlorobenzene	6/29/02	1	2	BQL
Ethylbenzene	6/29/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/29/02	1	2	BQL
Toluene	6/29/02	1	1	BQL
m/p-Xylene	6/29/02	1	2	BQL
o-Xylene	6/29/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46489
Lab Project ID: G182-777

Analyzed By: EES
Date Collected: 06/19/02
Date Received: 06/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/29/02	1	1	BQL
Chlorobenzene	6/29/02	1	1	BQL
1,2-Dichlorobenzene	6/29/02	1	2	BQL
1,3-Dichlorobenzene	6/29/02	1	2	BQL
1,4-Dichlorobenzene	6/29/02	1	2	BQL
Ethylbenzene	6/29/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/29/02	1	2	BQL
Toluene	6/29/02	1	1	BQL
m/p-Xylene	6/29/02	1	2	BQL
o-Xylene	6/29/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46490
Lab Project ID: G182-777

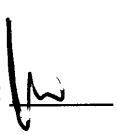
Analyzed By: EES
Date Collected: 06/19/02
Date Received: 06/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/29/02	1	1	BQL
Chlorobenzene	6/29/02	1	1	BQL
1,2-Dichlorobenzene	6/29/02	1	2	BQL
1,3-Dichlorobenzene	6/29/02	1	2	BQL
1,4-Dichlorobenzene	6/29/02	1	2	BQL
Ethylbenzene	6/29/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/29/02	1	2	BQL
Toluene	6/29/02	1	1	BQL
m/p-Xylene	6/29/02	1	2	BQL
o-Xylene	6/29/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46491
Lab Project ID: G182-777

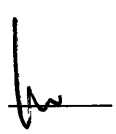
Analyzed By: EES
Date Collected: 06/19/02
Date Received: 06/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/29/02	1	1	BQL
Chlorobenzene	6/29/02	1	1	BQL
1,2-Dichlorobenzene	6/29/02	1	2	BQL
1,3-Dichlorobenzene	6/29/02	1	2	BQL
1,4-Dichlorobenzene	6/29/02	1	2	BQL
Ethylbenzene	6/29/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/29/02	1	2	BQL
Toluene	6/29/02	1	1	BQL
m/p-Xylene	6/29/02	1	2	BQL
o-Xylene	6/29/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46492
Lab Project ID: G182-777

Analyzed By: EES
Date Collected: 06/19/02
Date Received: 06/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/29/02	1	1	BQL
Chlorobenzene	6/29/02	1	1	BQL
1,2-Dichlorobenzene	6/29/02	1	2	BQL
1,3-Dichlorobenzene	6/29/02	1	2	BQL
1,4-Dichlorobenzene	6/29/02	1	2	BQL
Ethylbenzene	6/29/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/29/02	1	2	BQL
Toluene	6/29/02	1	1	BQL
m/p-Xylene	6/29/02	1	2	BQL
o-Xylene	6/29/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46486
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**23**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG04-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46486
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

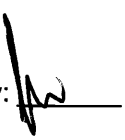
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
2-Fluorophenol	10	9.8	98
Nitrobenzene-d5	10	8.8	88
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	7.6	76

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG05-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46487
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**42**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG05-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46487
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

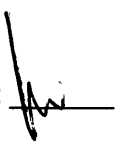
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.0	100
2-Fluorophenol	10	9.5	95
Nitrobenzene-d5	10	9.8	98
Phenol-d6	10	8.8	88
2,4,6-Tribromophenol	10	9.8	98
4-Terphenyl-d14	10	8.7	87

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46488
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**250**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46488
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

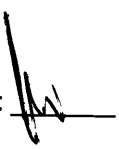
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
2-Fluorophenol	10	9.5	95
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	9.3	93
4-Terphenyl-d14	10	6.3	63

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46489
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**250**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46489
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

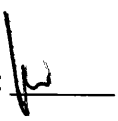
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.1	101
2-Fluorophenol	10	10.4	104
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	9.2	92
2,4,6-Tribromophenol	10	10.2	102
4-Terphenyl-d14	10	6.0	60

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46490
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**74**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46490
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
2-Fluorophenol	10	9.9	99
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	8.9	89
2,4,6-Tribromophenol	10	10.0	100
4-Terphenyl-d14	10	7.7	77

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46491
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**30**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46491
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

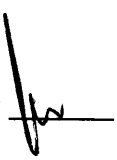
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
2-Fluorophenol	10	9.0	90
Nitrobenzene-d5	10	8.5	85
Phenol-d6	10	8.3	83
2,4,6-Tribromophenol	10	9.1	91
4-Terphenyl-d14	10	6.0	60

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46492
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-02B
Client Project ID: JP-5 Line Area
Lab Sample ID: 46492
Lab Project ID: G182-777
Matrix: Water

Date Collected: 6/19/2002
Date Received: 6/20/2002
Date Analyzed: 6/26/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.8	98
2-Fluorophenol	10	10.0	100
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	9.0	90
2,4,6-Tribromophenol	10	8.7	87
4-Terphenyl-d14	10	11.6	116

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date: 6/19/02
Turnaround: Standard
Job Number: T.O. # 67F
Page 1 of 1

Report To:
Tracy Thrift

Invoice To:

T.O. 67F

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: none	Preservative & No. Bottles	Preservative & No. Bottles	Analyses: 602	Analyses: 625	Analyses	Analyses	Analyses	Analyses	Analyses	Comments
USTAS4141-OBG04-02B	6/19/02	1015	GW	3	1			X	X						G182-777
USTAS4141-OBG05-02B	6/19/02	1025	GW	3	1			X	X						
USTAS4141-MW07-02B	6/19/02	115	GW	3	1			X	X						
USTAS4141-DUP-02B	6/19/02	—	GW	3	1			X	X						
USTAS4141-MW13-02B	6/19/02	1000	GW	3	1			X	X						EDD
USTAS4141-MW08-02B	6/19/02	1130	GW	3	1			X	X						**Send To:**
USTAS4141-EQ-02B	6/19/02	1325	W	3	1			X	X						**evansp@clb.usmc.mil**
															Copy To:
															pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Bob Sellers	6/19/02	16:00		6/20/02	0945	5.3, 3.9°C		

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG04-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39883
Lab Project ID: G182-761

Analyzed By: EKR
Date Collected: 03/19/02
Date Received: 03/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/30/02	1	1	BQL
Chlorobenzene	3/30/02	1	1	BQL
1,2-Dichlorobenzene	3/30/02	1	2	BQL
1,3-Dichlorobenzene	3/30/02	1	2	BQL
1,4-Dichlorobenzene	3/30/02	1	2	BQL
Ethylbenzene	3/30/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/30/02	1	2	BQL
Toluene	3/30/02	1	1	BQL
m/p-Xylene	3/30/02	1	2	BQL
o-Xylene	3/30/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG05-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39884
Lab Project ID: G182-761

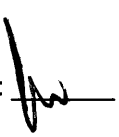
Analyzed By: EKR
Date Collected: 03/19/02
Date Received: 03/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/30/02	1	1	BQL
Chlorobenzene	3/30/02	1	1	BQL
1,2-Dichlorobenzene	3/30/02	1	2	BQL
1,3-Dichlorobenzene	3/30/02	1	2	BQL
1,4-Dichlorobenzene	3/30/02	1	2	BQL
Ethylbenzene	3/30/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/30/02	1	2	BQL
Toluene	3/30/02	1	1	BQL
m/p-Xylene	3/30/02	1	2	BQL
o-Xylene	3/30/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW07-2A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39885
Lab Project ID: G182-761

Analyzed By: EKR
Date Collected: 03/19/02
Date Received: 03/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/30/02	1	1	BQL
Chlorobenzene	3/30/02	1	1	BQL
1,2-Dichlorobenzene	3/30/02	1	2	BQL
1,3-Dichlorobenzene	3/30/02	1	2	BQL
1,4-Dichlorobenzene	3/30/02	1	2	BQL
Ethylbenzene	3/30/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/30/02	1	2	BQL
Toluene	3/30/02	1	1	BQL
m/p-Xylene	3/30/02	1	2	BQL
o-Xylene	3/30/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39886
Lab Project ID: G182-761

Analyzed By: EKR
Date Collected: 03/19/02
Date Received: 03/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/30/02	1	1	BQL
Chlorobenzene	3/30/02	1	1	BQL
1,2-Dichlorobenzene	3/30/02	1	2	BQL
1,3-Dichlorobenzene	3/30/02	1	2	BQL
1,4-Dichlorobenzene	3/30/02	1	2	BQL
Ethylbenzene	3/30/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/30/02	1	2	BQL
Toluene	3/30/02	1	1	BQL
m/p-Xylene	3/30/02	1	2	BQL
o-Xylene	3/30/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	38	94

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39887
Lab Project ID: G182-761

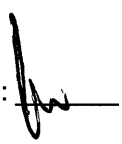
Analyzed By: EKR
Date Collected: 03/19/02
Date Received: 03/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/30/02	1	1	BQL
Chlorobenzene	3/30/02	1	1	BQL
1,2-Dichlorobenzene	3/30/02	1	2	BQL
1,3-Dichlorobenzene	3/30/02	1	2	BQL
1,4-Dichlorobenzene	3/30/02	1	2	BQL
Ethylbenzene	3/30/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/30/02	1	2	BQL
Toluene	3/30/02	1	1	BQL
m/p-Xylene	3/30/02	1	2	BQL
o-Xylene	3/30/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39888
Lab Project ID: G182-761

Analyzed By: EKR
Date Collected: 03/19/02
Date Received: 03/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/30/02	1	1	BQL
Chlorobenzene	3/30/02	1	1	BQL
1,2-Dichlorobenzene	3/30/02	1	2	BQL
1,3-Dichlorobenzene	3/30/02	1	2	BQL
1,4-Dichlorobenzene	3/30/02	1	2	BQL
Ethylbenzene	3/30/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/30/02	1	2	BQL
Toluene	3/30/02	1	1	BQL
m/p-Xylene	3/30/02	1	2	BQL
o-Xylene	3/30/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39889
Lab Project ID: G182-761

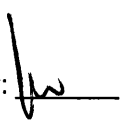
Analyzed By: EKR
Date Collected: 03/19/02
Date Received: 03/20/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	3/30/02	1	1	BQL	
Chlorobenzene	3/30/02	1	1	BQL	
1,2-Dichlorobenzene	3/30/02	1	2	BQL	
1,3-Dichlorobenzene	3/30/02	1	2	BQL	
1,4-Dichlorobenzene	3/30/02	1	2	BQL	
Ethylbenzene	3/30/02	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	3/30/02	1	2	BQL	
Toluene	3/30/02	1	1		3
m/p-Xylene	3/30/02	1	2	BQL	
o-Xylene	3/30/02	1	2	BQL	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39883
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**18**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39883
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

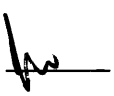
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.2	112
2-Fluorophenol	10	9.6	96
Nitrobenzene-d5	10	10.2	102
Phenol-d6	10	9.3	93
2,4,6-Tribromophenol	10	8.9	89
4-Terphenyl-d14	10	10.9	109

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39884
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**22**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39884
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	12.3	123
2-Fluorophenol	10	10.1	101
Nitrobenzene-d5	10	10.5	105
Phenol-d6	10	9.9	99
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	7.1	71

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW07-2A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39885
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**110**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-2A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39885
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

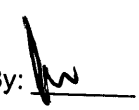
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.1	101
2-Fluorophenol	10	8.4	84
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.2	82
2,4,6-Tribromophenol	10	7.3	73
4-Terphenyl-d14	10	9.3	93

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-DUP-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39886
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	**200**
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39886
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.3	103
2-Fluorophenol	10	8.5	85
Nitrobenzene-d5	10	9.4	94
Phenol-d6	10	9.2	92
2,4,6-Tribromophenol	10	9.2	92
4-Terphenyl-d14	10	7.6	76

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW13-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39887
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	**47**
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW13-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39887
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	12.1	121
2-Fluorophenol	10	11.0	110
Nitrobenzene-d5	10	11.7	117
Phenol-d6	10	10.1	101
2,4,6-Tribromophenol	10	9.3	93
4-Terphenyl-d14	10	11.5	115

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW08-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39888
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	**70**
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39888
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.5	105
2-Fluorophenol	10	9.7	97
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	9.7	97
2,4,6-Tribromophenol	10	9.3	93
4-Terphenyl-d14	10	8.3	83

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39889
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-02A
Client Project ID: JP-5 Line Area
Lab Sample ID: 39889
Lab Project ID: G182-761
Matrix: Water

Date Collected: 3/19/2002
Date Received: 3/20/2002
Date Analyzed: 3/24/2002
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

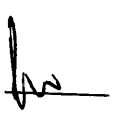
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.3	113
2-Fluorophenol	10	10.3	103
Nitrobenzene-d5	10	10.5	105
Phenol-d6	10	10.0	100
2,4,6-Tribromophenol	10	9.6	96
4-Terphenyl-d14	10	12.1	121

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date: 3/19/02
Turnaround: Standard
Job Number: T.O. # 67F
Page 1 of 1

Report To:
Tracy Thrift

Invoice To:
T.O. 67F

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: none			Analyses: 602	Analyses: 625						Comments
USTAS4141-OBG04-02A	3/19/01	0925	GW	3	1			X	X						G182-761
USTAS4141-OBG05-02A	3/19/01	940	GW	3	1			X	X						
USTAS4141-MW07-02A	3/19/01	1025	GW	3	1			X	X						
USTAS4141-DUP-02A	3/19/01	—	GW	3	1			X	X						
USTAS4141-MW13-02A	3/19/01	910	GW	3	1			X	X						EDD
USTAS4141-MW08-02A	3/19/01	1000	GW	3	1			X	X						**Send To:**
USTAS4141-EQ-02A	3/19/01	1200	W	3	1			X	X						evansp@clb.usmc.mil
															Copy To:
															pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	3/19/01	16:00		3/20/02	1055	0.7°C, 0.8°C		

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG04-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34586
Lab Project ID: G182-733

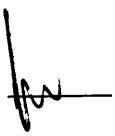
Analyzed By: EKR
Date Collected: 12/18/01
Date Received: 12/19/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/24/01	1	1	BQL
Chlorobenzene	12/24/01	1	1	BQL
1,2-Dichlorobenzene	12/24/01	1	2	BQL
1,3-Dichlorobenzene	12/24/01	1	2	BQL
1,4-Dichlorobenzene	12/24/01	1	2	BQL
Ethylbenzene	12/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/24/01	1	2	BQL
Toluene	12/24/01	1	1	BQL
m/p-Xylene	12/24/01	1	2	BQL
o-Xylene	12/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG05-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34587
Lab Project ID: G182-733

Analyzed By: EKR
Date Collected: 12/18/01
Date Received: 12/19/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/24/01	1	1	BQL
Chlorobenzene	12/24/01	1	1	BQL
1,2-Dichlorobenzene	12/24/01	1	2	BQL
1,3-Dichlorobenzene	12/24/01	1	2	BQL
1,4-Dichlorobenzene	12/24/01	1	2	BQL
Ethylbenzene	12/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/24/01	1	2	BQL
Toluene	12/24/01	1	1	BQL
m/p-Xylene	12/24/01	1	2	BQL
o-Xylene	12/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-MW07-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34588
Lab Project ID: G182-733

Analyzed By: EKR
Date Collected: 12/18/01
Date Received: 12/19/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/24/01	1	1	BQL
Chlorobenzene	12/24/01	1	1	BQL
1,2-Dichlorobenzene	12/24/01	1	2	BQL
1,3-Dichlorobenzene	12/24/01	1	2	BQL
1,4-Dichlorobenzene	12/24/01	1	2	BQL
Ethylbenzene	12/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/24/01	1	2	BQL
Toluene	12/24/01	1	1	BQL
m/p-Xylene	12/24/01	1	2	BQL
o-Xylene	12/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-DUP-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34589
Lab Project ID: G182-733

Analyzed By: EKR
Date Collected: 12/18/01
Date Received: 12/19/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/24/01	1	1	BQL
Chlorobenzene	12/24/01	1	1	BQL
1,2-Dichlorobenzene	12/24/01	1	2	BQL
1,3-Dichlorobenzene	12/24/01	1	2	BQL
1,4-Dichlorobenzene	12/24/01	1	2	BQL
Ethylbenzene	12/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/24/01	1	2	BQL
Toluene	12/24/01	1	1	BQL
m/p-Xylene	12/24/01	1	2	BQL
o-Xylene	12/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34590
Lab Project ID: G182-733

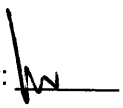
Analyzed By: EKR
Date Collected: 12/18/01
Date Received: 12/19/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/24/01	1	1	BQL
Chlorobenzene	12/24/01	1	1	BQL
1,2-Dichlorobenzene	12/24/01	1	2	BQL
1,3-Dichlorobenzene	12/24/01	1	2	BQL
1,4-Dichlorobenzene	12/24/01	1	2	BQL
Ethylbenzene	12/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/24/01	1	2	BQL
Toluene	12/24/01	1	1	BQL
m/p-Xylene	12/24/01	1	2	BQL
o-Xylene	12/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34591
Lab Project ID: G182-733

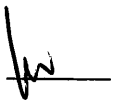
Analyzed By: EKR
Date Collected: 12/18/01
Date Received: 12/19/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/24/01	1	1	BQL
Chlorobenzene	12/24/01	1	1	BQL
1,2-Dichlorobenzene	12/24/01	1	2	BQL
1,3-Dichlorobenzene	12/24/01	1	2	BQL
1,4-Dichlorobenzene	12/24/01	1	2	BQL
Ethylbenzene	12/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/24/01	1	2	BQL
Toluene	12/24/01	1	1	BQL
m/p-Xylene	12/24/01	1	2	BQL
o-Xylene	12/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34592
Lab Project ID: G182-733

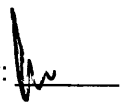
Analyzed By: EKR
Date Collected: 12/18/01
Date Received: 12/19/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/24/01	1	1	BQL
Chlorobenzene	12/24/01	1	1	BQL
1,2-Dichlorobenzene	12/24/01	1	2	BQL
1,3-Dichlorobenzene	12/24/01	1	2	BQL
1,4-Dichlorobenzene	12/24/01	1	2	BQL
Ethylbenzene	12/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/24/01	1	2	BQL
Toluene	12/24/01	1	1	BQL
m/p-Xylene	12/24/01	1	2	BQL
o-Xylene	12/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-TRIP-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34593
Lab Project ID: G182-733

Analyzed By: EKR
Date Collected: 12/18/01
Date Received: 12/19/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/24/01	1	1	BQL
Chlorobenzene	12/24/01	1	1	BQL
1,2-Dichlorobenzene	12/24/01	1	2	BQL
1,3-Dichlorobenzene	12/24/01	1	2	BQL
1,4-Dichlorobenzene	12/24/01	1	2	BQL
Ethylbenzene	12/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/24/01	1	2	BQL
Toluene	12/24/01	1	1	BQL
m/p-Xylene	12/24/01	1	2	BQL
o-Xylene	12/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34586
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG04-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34586
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

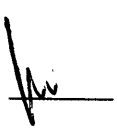
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	8.6	86
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	8.2	82
2,4,6-Tribromophenol	10	9.7	97
4-Terphenyl-d14	10	10.2	102

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34587
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**25**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34587
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

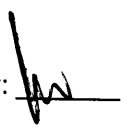
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.4	74
2-Fluorophenol	10	7.3	73
Nitrobenzene-d5	10	8.1	81
Phenol-d6	10	7.0	70
2,4,6-Tribromophenol	10	8.1	81
4-Terphenyl-d14	10	8.9	89

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34588
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**180**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34588
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

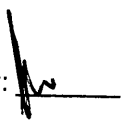
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.1	71
2-Fluorophenol	10	7.1	71
Nitrobenzene-d5	10	7.7	77
Phenol-d6	10	6.7	67
2,4,6-Tribromophenol	10	7.9	79
4-Terphenyl-d14	10	6.9	69

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34589
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**420**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34589
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	8.3	83
Nitrobenzene-d5	10	9.0	90
Phenol-d6	10	7.9	79
2,4,6-Tribromophenol	10	9.4	94
4-Terphenyl-d14	10	8.2	82

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34590
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**22**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34590
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/22/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

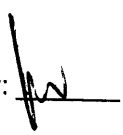
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	8.9	89
Nitrobenzene-d5	10	9.9	99
Phenol-d6	10	8.5	85
2,4,6-Tribromophenol	10	9.8	98
4-Terphenyl-d14	10	11.1	111

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34591
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/29/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**48**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34591
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/29/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

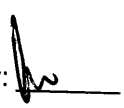
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
2-Fluorophenol	10	8.4	84
Nitrobenzene-d5	10	8.3	83
Phenol-d6	10	8.3	83
2,4,6-Tribromophenol	10	9.1	91
4-Terphenyl-d14	10	5.0	50

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34592
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/29/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-01D
Client Project ID: JP-5 Line Area
Lab Sample ID: 34592
Lab Project ID: G182-733
Matrix: Water

Date Collected: 12/18/2001
Date Received: 12/19/2001
Date Analyzed: 12/29/2001
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

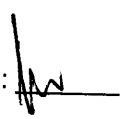
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
2-Fluorophenol	10	8.8	88
Nitrobenzene-d5	10	8.1	81
Phenol-d6	10	8.2	82
2,4,6-Tribromophenol	10	8.6	86
4-Terphenyl-d14	10	10.9	109

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date: 12/18/01
Turnaround: Standard
Job Number: T.O. # 67F
Page 1 of 1

Report To:
Tracy Thrift

Invoice To:
T.O. 67F

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: none	Preservative & No. Bottles	Preservative & No. Bottles	Analyses: 602	Analyses: 625	Analyses	Analyses	Analyses	Analyses	Analyses	Comments
															G182-733
USTAS4141-OBG04-01D	12/18/01	0845	GW	3	1			X	X						
USTAS4141-OBG05-01D	12/18/01	0900	GW	3	1			X	X						
USTAS4141-MW07-01D	12/18/01	0915	GW	3	1			X	X						
USTAS4141-DUP-01D	12/18/01	—	GW	3	1			X	X						
USTAS4141-MW13-01D	12/18/01	0825	GW	3	1			X	X						EDD
USTAS4141-MW08-01D	12/18/01	0930	GW	3	1			X	X						**Send To:**
USTAS4141-EQ-01D	12/18/01	1130	W	3	1			X	X						**evansp@clb.usmc.mil**
USTAS4141-TRIP-01D	12/18/01	—	W		2			X							**Copy To:**
															pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Theresa Ellerman	12/18/01	16:00	Julie Johnson	12/19/01	1032	5.8°C

Sampled By	Airbill #

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OBG04-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22098
Lab Project ID: G182-670

Analyzed By: EES
Date Collected: 06/19/01
Date Received: 06/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/23/01	1	1	BQL
Chlorobenzene	6/23/01	1	1	BQL
1,2-Dichlorobenzene	6/23/01	1	2	BQL
1,3-Dichlorobenzene	6/23/01	1	2	BQL
1,4-Dichlorobenzene	6/23/01	1	2	BQL
Ethylbenzene	6/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/23/01	1	2	BQL
Toluene	6/23/01	1	1	BQL
m/p-Xylene	6/23/01	1	2	BQL
o-Xylene	6/23/01	1	2	BQL

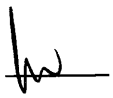
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG05-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22099
Lab Project ID: G182-670

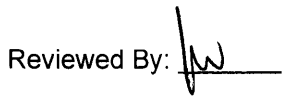
Analyzed By: EES
Date Collected: 06/19/01
Date Received: 06/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/23/01	1	1	BQL
Chlorobenzene	6/23/01	1	1	BQL
1,2-Dichlorobenzene	6/23/01	1	2	BQL
1,3-Dichlorobenzene	6/23/01	1	2	BQL
1,4-Dichlorobenzene	6/23/01	1	2	BQL
Ethylbenzene	6/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/23/01	1	2	BQL
Toluene	6/23/01	1	1	BQL
m/p-Xylene	6/23/01	1	2	BQL
o-Xylene	6/23/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-MW07-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22100
Lab Project ID: G182-670

Analyzed By: EES
Date Collected: 06/19/01
Date Received: 06/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/23/01	1	1	BQL
Chlorobenzene	6/23/01	1	1	BQL
1,2-Dichlorobenzene	6/23/01	1	2	BQL
1,3-Dichlorobenzene	6/23/01	1	2	BQL
1,4-Dichlorobenzene	6/23/01	1	2	BQL
Ethylbenzene	6/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/23/01	1	2	BQL
Toluene	6/23/01	1	1	BQL
m/p-Xylene	6/23/01	1	2	BQL
o-Xylene	6/23/01	1	2	BQL

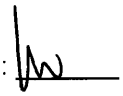
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22101
Lab Project ID: G182-670

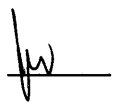
Analyzed By: EES
Date Collected: 06/19/01
Date Received: 06/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/23/01	1	1	BQL
Chlorobenzene	6/23/01	1	1	BQL
1,2-Dichlorobenzene	6/23/01	1	2	BQL
1,3-Dichlorobenzene	6/23/01	1	2	BQL
1,4-Dichlorobenzene	6/23/01	1	2	BQL
Ethylbenzene	6/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/23/01	1	2	BQL
Toluene	6/23/01	1	1	BQL
m/p-Xylene	6/23/01	1	2	BQL
o-Xylene	6/23/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22102
Lab Project ID: G182-670

Analyzed By: EES
Date Collected: 06/19/01
Date Received: 06/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/23/01	1	1	BQL
Chlorobenzene	6/23/01	1	1	BQL
1,2-Dichlorobenzene	6/23/01	1	2	BQL
1,3-Dichlorobenzene	6/23/01	1	2	BQL
1,4-Dichlorobenzene	6/23/01	1	2	BQL
Ethylbenzene	6/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/23/01	1	2	BQL
Toluene	6/23/01	1	1	BQL
m/p-Xylene	6/23/01	1	2	BQL
o-Xylene	6/23/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22103
Lab Project ID: G182-670

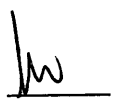
Analyzed By: EES
Date Collected: 06/19/01
Date Received: 06/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/23/01	1	1	BQL
Chlorobenzene	6/23/01	1	1	BQL
1,2-Dichlorobenzene	6/23/01	1	2	BQL
1,3-Dichlorobenzene	6/23/01	1	2	BQL
1,4-Dichlorobenzene	6/23/01	1	2	BQL
Ethylbenzene	6/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/23/01	1	2	BQL
Toluene	6/23/01	1	1	BQL
m/p-Xylene	6/23/01	1	2	BQL
o-Xylene	6/23/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22104
Lab Project ID: G182-670

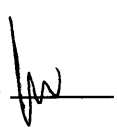
Analyzed By: EES
Date Collected: 06/19/01
Date Received: 06/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/23/01	1	1	BQL
Chlorobenzene	6/23/01	1	1	BQL
1,2-Dichlorobenzene	6/23/01	1	2	BQL
1,3-Dichlorobenzene	6/23/01	1	2	BQL
1,4-Dichlorobenzene	6/23/01	1	2	BQL
Ethylbenzene	6/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/23/01	1	2	BQL
Toluene	6/23/01	1	1	BQL
m/p-Xylene	6/23/01	1	2	BQL
o-Xylene	6/23/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22098
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/27/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**45**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22098
Lab Project ID: G182-670
Matrix: Water

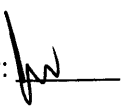
Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/27/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	7.9	79
Nitrobenzene-d5	10	8.0	80
Phenol-d6	10	8.1	81
2,4,6-Tribromophenol	10	10.4	104
4-Terphenyl-d14	10	5.6	56

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22099
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/27/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**13**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22099
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/27/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

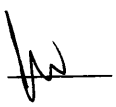
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
2-Fluorophenol	10	7.2	72
Nitrobenzene-d5	10	7.6	76
Phenol-d6	10	7.4	74
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	6.5	65

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW07-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22100
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**140**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22100
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

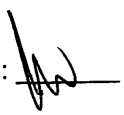
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
2-Fluorophenol	10	6.7	67
Nitrobenzene-d5	10	6.8	68
Phenol-d6	10	6.7	67
2,4,6-Tribromophenol	10	8.2	82
4-Terphenyl-d14	10	8.1	81

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22101
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**230**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22101
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
2-Fluorophenol	10	7.3	73
Nitrobenzene-d5	10	7.4	74
Phenol-d6	10	7.3	73
2,4,6-Tribromophenol	10	9.1	91
4-Terphenyl-d14	10	7.5	75

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW13-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22102
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**37**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22102
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

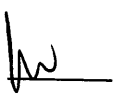
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
2-Fluorophenol	10	6.2	62
Nitrobenzene-d5	10	6.5	65
Phenol-d6	10	6.4	64
2,4,6-Tribromophenol	10	8.1	81
4-Terphenyl-d14	10	5.8	58

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW08-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22103
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**29**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22103
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
2-Fluorophenol	10	7.0	70
Nitrobenzene-d5	10	7.4	74
Phenol-d6	10	7.3	73
2,4,6-Tribromophenol	10	8.7	87
4-Terphenyl-d14	10	2.9	29#

Comments:

Results are corrected for %solids and dilution where applicable.
Insufficient sample volume to confirm surrogate results.

Flags:

BQL = Below Quantitation Limit.
# = Surrogate recovery outside In-House statistical limits.

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22104
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-01B
Client Project ID: JP-5 Line Area
Lab Sample ID: 22104
Lab Project ID: G182-670
Matrix: Water

Date Collected: 6/19/01
Date Received: 6/20/01
Date Analyzed: 6/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

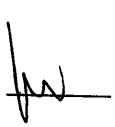
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	8.0	80
Nitrobenzene-d5	10	7.5	75
Phenol-d6	10	7.4	74
2,4,6-Tribromophenol	10	8.6	86
4-Terphenyl-d14	10	9.1	91

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Jeff Henninger
Phone: 904-363-0911

Date: 6/19/01
Turnaround: Standard
Job Number: T.O. # 67f
Page 1 of 1

Report To: Jeff Henninger

Invoice To: T.O. #67f

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: none			Analyses: 602	Analyses: 625						Comments
USTAS4141-OBG04-01B	6/19/01	1320	GW	3	1			X	X						
USTAS4141-OBG05-01B	6/19/01	1300	GW	3	1			X	X						
USTAS4141-MW07-01B	6/19/01	1045	GW	3	1			X	X						
USTAS4141-DUP-01B	6/19/01	—	GW	3	1			X	X						EDD
USTAS4141-MW13-01B	6/19/01	1315	GW	3	1			X	X						Send To:
USTAS4141-MW08-01B	6/19/01	1100	GW	3	1			X	X						evansp@clb.usmc.mil
USTAS4141-EQ-01B	6/19/01	1545	W	3	1			X	X						Copy To:
															pauln@clb.usmc.mil

G182-670

Relinquished By	Date	Time	Received By	Date	Time	Temperature		Sampled By	Airbill #
Theresa Ellerman	6/19/01	16:00		6/20/01	0945	0.1, 0.2 °C			

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OBG04-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16707
Lab Project ID: G182-635

Analyzed By: EES
Date Collected: 03/19/01
Date Received: 03/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/23/01	1	1	BQL
Chlorobenzene	3/23/01	1	1	BQL
1,2-Dichlorobenzene	3/23/01	1	2	BQL
1,3-Dichlorobenzene	3/23/01	1	2	BQL
1,4-Dichlorobenzene	3/23/01	1	2	BQL
Ethylbenzene	3/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/23/01	1	2	BQL
Toluene	3/23/01	1	1	BQL
m/p-Xylene	3/23/01	1	2	BQL
o-Xylene	3/23/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: MA

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG05-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16708
Lab Project ID: G182-635

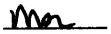
Analyzed By: EES
Date Collected: 03/19/01
Date Received: 03/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/24/01	1	1	BQL
Chlorobenzene	3/24/01	1	1	BQL
1,2-Dichlorobenzene	3/24/01	1	2	BQL
1,3-Dichlorobenzene	3/24/01	1	2	BQL
1,4-Dichlorobenzene	3/24/01	1	2	BQL
Ethylbenzene	3/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/24/01	1	2	BQL
Toluene	3/24/01	1	1	BQL
m/p-Xylene	3/24/01	1	2	BQL
o-Xylene	3/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	103

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW07-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16709
Lab Project ID: G182-635

Analyzed By: EES
Date Collected: 03/19/01
Date Received: 03/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/23/01	1	1	BQL
Chlorobenzene	3/23/01	1	1	BQL
1,2-Dichlorobenzene	3/23/01	1	2	BQL
1,3-Dichlorobenzene	3/23/01	1	2	BQL
1,4-Dichlorobenzene	3/23/01	1	2	BQL
Ethylbenzene	3/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/23/01	1	2	BQL
Toluene	3/23/01	1	1	BQL
m/p-Xylene	3/23/01	1	2	BQL
o-Xylene	3/23/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16710
Lab Project ID: G182-635

Analyzed By: EES
Date Collected: 03/19/01
Date Received: 03/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/24/01	1	1	BQL
Chlorobenzene	3/24/01	1	1	BQL
1,2-Dichlorobenzene	3/24/01	1	2	BQL
1,3-Dichlorobenzene	3/24/01	1	2	BQL
1,4-Dichlorobenzene	3/24/01	1	2	BQL
Ethylbenzene	3/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/24/01	1	2	BQL
Toluene	3/24/01	1	1	BQL
m/p-Xylene	3/24/01	1	2	BQL
o-Xylene	3/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: _____

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-MW13-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16711
Lab Project ID: G182-635

Analyzed By: EKR
Date Collected: 03/19/01
Date Received: 03/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/24/01	1	1	BQL
Chlorobenzene	3/24/01	1	1	BQL
1,2-Dichlorobenzene	3/24/01	1	2	BQL
1,3-Dichlorobenzene	3/24/01	1	2	BQL
1,4-Dichlorobenzene	3/24/01	1	2	BQL
Ethylbenzene	3/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/24/01	1	2	BQL
Toluene	3/24/01	1	1	BQL
m/p-Xylene	3/24/01	1	2	BQL
o-Xylene	3/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16712
Lab Project ID: G182-635

Analyzed By: EKR
Date Collected: 03/19/01
Date Received: 03/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/24/01	1	1	BQL
Chlorobenzene	3/24/01	1	1	BQL
1,2-Dichlorobenzene	3/24/01	1	2	BQL
1,3-Dichlorobenzene	3/24/01	1	2	BQL
1,4-Dichlorobenzene	3/24/01	1	2	BQL
Ethylbenzene	3/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/24/01	1	2	BQL
Toluene	3/24/01	1	1	BQL
m/p-Xylene	3/24/01	1	2	BQL
o-Xylene	3/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-EQ-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16713
Lab Project ID: G182-635

Analyzed By: EKR
Date Collected: 03/19/01
Date Received: 03/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/24/01	1	1	BQL
Chlorobenzene	3/24/01	1	1	BQL
1,2-Dichlorobenzene	3/24/01	1	2	BQL
1,3-Dichlorobenzene	3/24/01	1	2	BQL
1,4-Dichlorobenzene	3/24/01	1	2	BQL
Ethylbenzene	3/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/24/01	1	2	BQL
Toluene	3/24/01	1	1	BQL
m/p-Xylene	3/24/01	1	2	BQL
o-Xylene	3/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: mm

Results for Volatiles
by GC 602

Client Sample ID: Trip Blanks (not on COC)
Client Project ID: JP-5 Line Area
Lab Sample ID: 16714
Lab Project ID: G182-635

Analyzed By: EKR
Date Collected: 03/19/01
Date Received: 03/20/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/24/01	1	1	BQL
Chlorobenzene	3/24/01	1	1	BQL
1,2-Dichlorobenzene	3/24/01	1	2	BQL
1,3-Dichlorobenzene	3/24/01	1	2	BQL
1,4-Dichlorobenzene	3/24/01	1	2	BQL
Ethylbenzene	3/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/24/01	1	2	BQL
Toluene	3/24/01	1	1	BQL
m/p-Xylene	3/24/01	1	2	BQL
o-Xylene	3/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: [signature]

Results for Semivolatiles

by GCMS 8270

Client Sample ID: USTAS4141-OBG04-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16707
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	50	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

Results for Semivolatiles

by GCMS 8270

Client Sample ID: USTAS4141-OBG04-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16707
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
2-Fluorophenol	10	7.7	77
Nitrobenzene-d5	10	7.1	71
Phenol-d6	10	7.0	70
2,4,6-Tribromophenol	10	8.5	85
4-Terphenyl-d14	10	5.6	56

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRL

Results for Semivolatiles

by GCMS 8270

Client Sample ID: USTAS4141-OBG05-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16708
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	50	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

Results for Semivolatiles

by GCMS 8270

Client Sample ID: USTAS4141-OBG05-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16708
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.0	80
2-Fluorophenol	10	8.5	85
Nitrobenzene-d5	10	7.6	76
Phenol-d6	10	7.6	76
2,4,6-Tribromophenol	10	9.0	90
4-Terphenyl-d14	10	5.8	58

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 8270

Client Sample ID: USTAS4141-MW07-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16709
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	50	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

Results for Semivolatiles

by GCMS 8270

Client Sample ID: USTAS4141-MW07-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16709
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.7	77
2-Fluorophenol	10	8.4	84
Nitrobenzene-d5	10	7.5	75
Phenol-d6	10	7.3	73
2,4,6-Tribromophenol	10	8.1	81
4-Terphenyl-d14	10	6.6	66

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: mc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW08-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16710
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/28/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**11**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16710
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/28/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
2-Fluorophenol	10	9.2	92
Nitrobenzene-d5	10	9.2	92
Phenol-d6	10	9.7	97
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	7.2	72

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 8270

Client Sample ID: USTAS4141-MW13-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16711
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	50	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**65**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: USTAS4141-MW13-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16711
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	9.6	96
Nitrobenzene-d5	10	8.0	80
Phenol-d6	10	8.4	84
2,4,6-Tribromophenol	10	8.9	89
4-Terphenyl-d14	10	4.6	46

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: mrc

Results for Semivolatiles

by GCMS 8270

Client Sample ID: USTAS4141-DUP-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16712
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	50	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: USTAS4141-DUP-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16712
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
2-Fluorophenol	10	8.1	81
Nitrobenzene-d5	10	7.4	74
Phenol-d6	10	6.6	66
2,4,6-Tribromophenol	10	7.9	79
4-Terphenyl-d14	10	6.0	60

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Semivolatiles
by GCMS 8270

Client Sample ID: USTAS4141-EQ-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16713
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	50	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL

Results for Semivolatiles
by GCMS 8270

Client Sample ID: USTAS4141-EQ-01A
Client Project ID: JP-5 Line Area
Lab Sample ID: 16713
Lab Project ID: G182-635
Matrix: Water

Date Collected: 3/19/01
Date Received: 3/20/01
Date Analyzed: 3/23/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.8	68
2-Fluorophenol	10	7.7	77
Nitrobenzene-d5	10	6.4	64
Phenol-d6	10	6.6	66
2,4,6-Tribromophenol	10	7.1	71
4-Terphenyl-d14	10	8.1	81

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Jeff Henninger
Phone: 904-363-0911

Date: 19 MAR 01
Turnaround: Standard
Job Number: T.O. # 46
Page 1 of 1

Report To: Jeff Henninger

Invoice To: T.O. #46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: none	Preservative & No. Bottles:	Preservative & No. Bottles:	Analyses: 602	Analyses: 625	Analyses:	Analyses:	Analyses:	Analyses:	Analyses:	Comments
USTAS4141-OBG04-01A	19MAR01	0955	GW	3	1			X	X						G182-635
USTAS4141-OBG05-01A		0945	GW	3	1			X	X						
USTAS4141-MW07-01A		0910	GW	3	1			X	X						
USTAS4141-MW08-01A		0955	GW	3	1			X	X						
USTAS4141-MW13-01A		10:15	GW	3	1			X	X						EDD
USTAS4141-DUP-01A		-	GW	3	1			X	X						**Send To:**
USTAS4141-EQ-01A	19MAR01		W	3	1			X	X						evansp@clb.usmc.mil
															Copy To:
															pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	19MAR01	16:00	Julie Johnson	7/20/01	0930	4.7°C, 3.2°C

Sampled By	Airbill #
R. SAMPLE	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG-4-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12031
Lab Project ID: G182-603

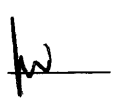
Analyzed By: EKR
Date Collected: 12/20/00
Date Received: 12/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/27/00	1	1	BQL
Chlorobenzene	12/27/00	1	1	BQL
1,2-Dichlorobenzene	12/27/00	1	2	BQL
1,3-Dichlorobenzene	12/27/00	1	2	BQL
1,4-Dichlorobenzene	12/27/00	1	2	BQL
Ethylbenzene	12/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/27/00	1	2	BQL
Toluene	12/27/00	1	1	BQL
m/p-Xylene	12/27/00	1	2	BQL
o-Xylene	12/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG-5-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12032
Lab Project ID: G182-603

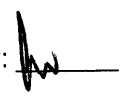
Analyzed By: EKR
Date Collected: 12/20/00
Date Received: 12/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/27/00	1	1	BQL
Chlorobenzene	12/27/00	1	1	BQL
1,2-Dichlorobenzene	12/27/00	1	2	BQL
1,3-Dichlorobenzene	12/27/00	1	2	BQL
1,4-Dichlorobenzene	12/27/00	1	2	BQL
Ethylbenzene	12/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/27/00	1	2	BQL
Toluene	12/27/00	1	1	BQL
m/p-Xylene	12/27/00	1	2	BQL
o-Xylene	12/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW07-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12033
Lab Project ID: G182-603

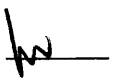
Analyzed By: EKR
Date Collected: 12/20/00
Date Received: 12/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/27/00	1	1	BQL
Chlorobenzene	12/27/00	1	1	BQL
1,2-Dichlorobenzene	12/27/00	1	2	BQL
1,3-Dichlorobenzene	12/27/00	1	2	BQL
1,4-Dichlorobenzene	12/27/00	1	2	BQL
Ethylbenzene	12/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/27/00	1	2	BQL
Toluene	12/27/00	1	1	BQL
m/p-Xylene	12/27/00	1	2	BQL
o-Xylene	12/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12034
Lab Project ID: G182-603

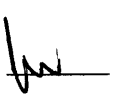
Analyzed By: EKR
Date Collected: 12/20/00
Date Received: 12/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/27/00	1	1	BQL
Chlorobenzene	12/27/00	1	1	BQL
1,2-Dichlorobenzene	12/27/00	1	2	BQL
1,3-Dichlorobenzene	12/27/00	1	2	BQL
1,4-Dichlorobenzene	12/27/00	1	2	BQL
Ethylbenzene	12/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/27/00	1	2	BQL
Toluene	12/27/00	1	1	BQL
m/p-Xylene	12/27/00	1	2	BQL
o-Xylene	12/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12035
Lab Project ID: G182-603

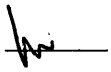
Analyzed By: EKR
Date Collected: 12/20/00
Date Received: 12/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/27/00	1	1	BQL
Chlorobenzene	12/27/00	1	1	BQL
1,2-Dichlorobenzene	12/27/00	1	2	BQL
1,3-Dichlorobenzene	12/27/00	1	2	BQL
1,4-Dichlorobenzene	12/27/00	1	2	BQL
Ethylbenzene	12/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/27/00	1	2	BQL
Toluene	12/27/00	1	1	BQL
m/p-Xylene	12/27/00	1	2	BQL
o-Xylene	12/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12036
Lab Project ID: G182-603

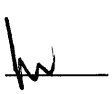
Analyzed By: EKR
Date Collected: 12/20/00
Date Received: 12/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/27/00	1	1	BQL
Chlorobenzene	12/27/00	1	1	BQL
1,2-Dichlorobenzene	12/27/00	1	2	BQL
1,3-Dichlorobenzene	12/27/00	1	2	BQL
1,4-Dichlorobenzene	12/27/00	1	2	BQL
Ethylbenzene	12/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/27/00	1	2	BQL
Toluene	12/27/00	1	1	BQL
m/p-Xylene	12/27/00	1	2	BQL
o-Xylene	12/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ
Client Project ID: JP-5 Line Area
Lab Sample ID: 12037
Lab Project ID: G182-603

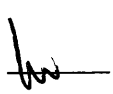
Analyzed By: EKR
Date Collected: 12/20/00
Date Received: 12/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	12/27/00	1	1	BQL
Chlorobenzene	12/27/00	1	1	BQL
1,2-Dichlorobenzene	12/27/00	1	2	BQL
1,3-Dichlorobenzene	12/27/00	1	2	BQL
1,4-Dichlorobenzene	12/27/00	1	2	BQL
Ethylbenzene	12/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	12/27/00	1	2	BQL
Toluene	12/27/00	1	1	BQL
m/p-Xylene	12/27/00	1	2	BQL
o-Xylene	12/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	99

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG-4-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12031
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG-4-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12031
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

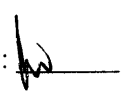
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.6	96
2-Fluorophenol	10	9.1	91
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	8.5	85
4-Terphenyl-d14	10	8.5	85

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG-5-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12032
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG-5-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12032
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

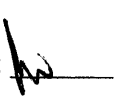
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	8.9	89
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	8.4	84
4-Terphenyl-d14	10	8.9	89

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12033
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12033
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

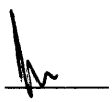
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	9.4	94
Nitrobenzene-d5	10	9	90
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	8.3	83
4-Terphenyl-d14	10	9.3	93

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12034
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12034
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
2-Fluorophenol	10	8.8	88
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	9.3	93
2,4,6-Tribromophenol	10	8.4	84
4-Terphenyl-d14	10	7.3	73

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12035
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12035
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

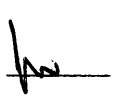
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
2-Fluorophenol	10	7.4	74
Nitrobenzene-d5	10	7.9	79
Phenol-d6	10	8.2	82
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	10.5	105

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12036
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-00D
Client Project ID: JP-5 Line Area
Lab Sample ID: 12036
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

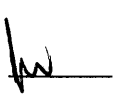
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
2-Fluorophenol	10	8.7	87
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.9	89
2,4,6-Tribromophenol	10	8.7	87
4-Terphenyl-d14	10	9.5	95

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ
Client Project ID: JP-5 Line Area
Lab Sample ID: 12037
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ
Client Project ID: JP-5 Line Area
Lab Sample ID: 12037
Lab Project ID: G182-603
Matrix: Water

Date Collected: 12/20/00
Date Received: 12/21/00
Date Analyzed: 1/3/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

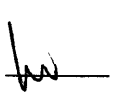
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
2-Fluorophenol	10	9.3	93
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	9.4	94
2,4,6-Tribromophenol	10	8.1	81
4-Terphenyl-d14	10	10.2	102

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Jeff Henninger
Phone: 904-363-0911

Date: 12/20/00
Turnaround: Standard
Job Number: T.O. # 46
Page 1 of 1

Report To: Jeff Henninger

Invoice To: T.O. #46

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: none			Analyses: 602	Analyses: 625						Comments
															G182-603
USTAS4141-OBG-4-00D	12/20/00	14:20	GW	3	1			X	X						
USTAS4141-OBG-5-00D	12/20/00	14:35	GW	3	1			X	X						
USTAS4141-MW07-00D	12/20/00	13:40	GW	3	1			X	X						
USTAS4141-MW08-00D	12/20/00	13:25	GW	3	1			X	X						
USTAS4141-MW13-00D	12/20/00	1405	GW	3	1			X	X						EED
USTAS4141-DUP-00D	12/20/00	—	GW	3	1			X	X						Send To: evansp@clb.usmc.mil
USTAS4141-EQ	12/20/00	1500	W	3	1			X	X						Copy To: pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	12/20/00	16:00		12/21/00	1130	0.8°C, 1.4

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OBG-04-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95415
Lab Project ID: G182-567

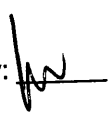
Analyzed By: RNP
Date Collected: 09/18/00
Date Received: 09/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/27/00	1	1	BQL
Chlorobenzene	9/27/00	1	1	BQL
1,2-Dichlorobenzene	9/27/00	1	2	BQL
1,3-Dichlorobenzene	9/27/00	1	2	BQL
1,4-Dichlorobenzene	9/27/00	1	2	BQL
Ethylbenzene	9/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/27/00	1	2	BQL
Toluene	9/27/00	1	1	BQL
m/p-Xylene	9/27/00	1	2	BQL
o-Xylene	9/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG-05-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95416
Lab Project ID: G182-567

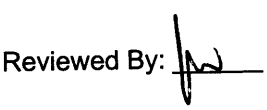
Analyzed By: RNP
Date Collected: 09/18/00
Date Received: 09/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/27/00	1	1	BQL
Chlorobenzene	9/27/00	1	1	BQL
1,2-Dichlorobenzene	9/27/00	1	2	BQL
1,3-Dichlorobenzene	9/27/00	1	2	BQL
1,4-Dichlorobenzene	9/27/00	1	2	BQL
Ethylbenzene	9/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/27/00	1	2	BQL
Toluene	9/27/00	1	1	BQL
m/p-Xylene	9/27/00	1	2	BQL
o-Xylene	9/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-MW07-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95417
Lab Project ID: G182-567

Analyzed By: RNP
Date Collected: 09/18/00
Date Received: 09/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/27/00	1	1	BQL
Chlorobenzene	9/27/00	1	1	BQL
1,2-Dichlorobenzene	9/27/00	1	2	BQL
1,3-Dichlorobenzene	9/27/00	1	2	BQL
1,4-Dichlorobenzene	9/27/00	1	2	BQL
Ethylbenzene	9/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/27/00	1	2	BQL
Toluene	9/27/00	1	1	BQL
m/p-Xylene	9/27/00	1	2	BQL
o-Xylene	9/27/00	1	2	BQL

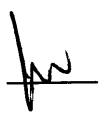
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	103

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-MW08-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95418
Lab Project ID: G182-567

Analyzed By: RNP
Date Collected: 09/18/00
Date Received: 09/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/28/00	1	1	BQL
Chlorobenzene	9/28/00	1	1	BQL
1,2-Dichlorobenzene	9/28/00	1	2	BQL
1,3-Dichlorobenzene	9/28/00	1	2	BQL
1,4-Dichlorobenzene	9/28/00	1	2	BQL
Ethylbenzene	9/28/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/28/00	1	2	BQL
Toluene	9/28/00	1	1	BQL
m/p-Xylene	9/28/00	1	2	BQL
o-Xylene	9/28/00	1	2	BQL

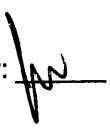
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95419
Lab Project ID: G182-567

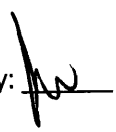
Analyzed By: RNP
Date Collected: 09/18/00
Date Received: 09/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/28/00	1	1	BQL
Chlorobenzene	9/28/00	1	1	BQL
1,2-Dichlorobenzene	9/28/00	1	2	BQL
1,3-Dichlorobenzene	9/28/00	1	2	BQL
1,4-Dichlorobenzene	9/28/00	1	2	BQL
Ethylbenzene	9/28/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/28/00	1	2	BQL
Toluene	9/28/00	1	1	BQL
m/p-Xylene	9/28/00	1	2	BQL
o-Xylene	9/28/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	103

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-DUP-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95420
Lab Project ID: G182-567

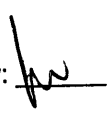
Analyzed By: RNP
Date Collected: 09/18/00
Date Received: 09/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/27/00	1	1	BQL
Chlorobenzene	9/27/00	1	1	BQL
1,2-Dichlorobenzene	9/27/00	1	2	BQL
1,3-Dichlorobenzene	9/27/00	1	2	BQL
1,4-Dichlorobenzene	9/27/00	1	2	BQL
Ethylbenzene	9/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/27/00	1	2	BQL
Toluene	9/27/00	1	1	BQL
m/p-Xylene	9/27/00	1	2	BQL
o-Xylene	9/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95421
Lab Project ID: G182-567

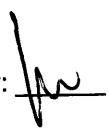
Analyzed By: RNP
Date Collected: 09/18/00
Date Received: 09/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/27/00	1	1	BQL
Chlorobenzene	9/27/00	1	1	BQL
1,2-Dichlorobenzene	9/27/00	1	2	BQL
1,3-Dichlorobenzene	9/27/00	1	2	BQL
1,4-Dichlorobenzene	9/27/00	1	2	BQL
Ethylbenzene	9/27/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/27/00	1	2	BQL
Toluene	9/27/00	1	1	BQL
m/p-Xylene	9/27/00	1	2	BQL
o-Xylene	9/27/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG-04-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95415
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG-04-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95415
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

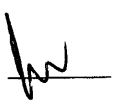
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.4	74
2-Fluorophenol	10	6.4	64
Nitrobenzene-d5	10	6.9	69
Phenol-d6	10	6.8	68
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	6.9	69

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG-05-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95416
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG-05-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95416
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

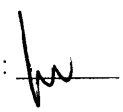
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.8	78
2-Fluorophenol	10	7	70
Nitrobenzene-d5	10	7.8	78
Phenol-d6	10	7.2	72
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	8	80

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95417
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID:	USTAS4141-MW07-00C	Date Collected:	9/18/00
Client Project ID:	JP-5 Line Area	Date Received:	9/19/00
Lab Sample ID:	95417	Date Analyzed:	9/22/00
Lab Project ID:	G182-567	Analyzed By:	MRC
Matrix:	Water	Dilution:	1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

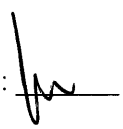
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
2-Fluorophenol	10	8.2	82
Nitrobenzene-d5	10	8.5	85
Phenol-d6	10	8.3	83
2,4,6-Tribromophenol	10	9.2	92
4-Terphenyl-d14	10	5.3	53

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95418
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95418
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

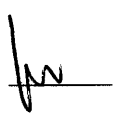
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
2-Fluorophenol	10	7.9	79
Nitrobenzene-d5	10	8.3	83
Phenol-d6	10	8.2	82
2,4,6-Tribromophenol	10	9.1	91
4-Terphenyl-d14	10	4	40

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95419
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95419
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.8	68
2-Fluorophenol	10	5	50
Nitrobenzene-d5	10	6.1	61
Phenol-d6	10	6.1	60
2,4,6-Tribromophenol	10	8.7	87
4-Terphenyl-d14	10	6.5	65

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95420
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95420
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

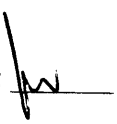
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
2-Fluorophenol	10	6.8	68
Nitrobenzene-d5	10	7.3	74
Phenol-d6	10	7.3	73
2,4,6-Tribromophenol	10	9.1	91
4-Terphenyl-d14	10	6.9	69

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95421
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-00C
Client Project ID: JP-5 Line Area
Lab Sample ID: 95421
Lab Project ID: G182-567
Matrix: Water

Date Collected: 9/18/00
Date Received: 9/19/00
Date Analyzed: 9/22/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.4	74
2-Fluorophenol	10	6.5	65
Nitrobenzene-d5	10	6.9	69
Phenol-d6	10	7	70
2,4,6-Tribromophenol	10	8.1	81
4-Terphenyl-d14	10	9	90

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Jeff Henninger
Phone: 904-363-0911

Date: 9/18/00
Turnaround: Standard
Job Number: T.O. # 46
Page 1 of 1

Report To: Jeff Henninger

Invoice To: T.O. #46

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	none			Analyses: 602	625						Comments
USTAS4141-OBG-04-00C	9/18/00	10:00	GW	3	1			X	X						6182-567
USTAS4141-OBG-05-00C	9/18/00	10:25	GW	3	1			X	X						EQ water and temp. blank
USTAS4141-MW07-00C	9/18/00	9:40	GW	3	1			X	X						provided by the lab.
USTAS4141-MW08-00C	9/18/00	9:15	GW	3	1			X	X						
USTAS4141-MW13-00C	9/18/00	10:40	GW	3	1			X	X						EED
USTAS4141-DUP-00C	9/18/00	—	GW	3	1			X	X						**Send To:**
USTAS4141-EQ-00C	9/18/00	11:30	W	3	1			X	X						**evansp@clb.usmc.mil**
															Copy To:
															pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	9/18/00	16:00	[illegible]	9/19/00	1000	0.1°C-0.5°C

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OBG04-9-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89937
Lab Project ID: G182-523

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/26/00	1	1	BQL
Chlorobenzene	6/26/00	1	1	BQL
1,2-Dichlorobenzene	6/26/00	1	2	BQL
1,3-Dichlorobenzene	6/26/00	1	2	BQL
1,4-Dichlorobenzene	6/26/00	1	2	BQL
Ethylbenzene	6/26/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/26/00	1	2	BQL
Toluene	6/26/00	1	1	BQL
m/p-Xylene	6/26/00	1	2	BQL
o-Xylene	6/26/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: ma

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG05-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89938
Lab Project ID: G182-523

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/26/00	1	1	BQL
Chlorobenzene	6/26/00	1	1	BQL
1,2-Dichlorobenzene	6/26/00	1	2	BQL
1,3-Dichlorobenzene	6/26/00	1	2	BQL
1,4-Dichlorobenzene	6/26/00	1	2	BQL
Ethylbenzene	6/26/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/26/00	1	2	BQL
Toluene	6/26/00	1	1	BQL
m/p-Xylene	6/26/00	1	2	BQL
o-Xylene	6/26/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	106

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: MA

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW07-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89939
Lab Project ID: G182-523

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/26/00	1	1	BQL
Chlorobenzene	6/26/00	1	1	BQL
1,2-Dichlorobenzene	6/26/00	1	2	BQL
1,3-Dichlorobenzene	6/26/00	1	2	BQL
1,4-Dichlorobenzene	6/26/00	1	2	BQL
Ethylbenzene	6/26/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/26/00	1	2	BQL
Toluene	6/26/00	1	1	BQL
m/p-Xylene	6/26/00	1	2	BQL
o-Xylene	6/26/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: mw

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89940
Lab Project ID: G182-523

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/26/00	1	1	BQL
Chlorobenzene	6/26/00	1	1	BQL
1,2-Dichlorobenzene	6/26/00	1	2	BQL
1,3-Dichlorobenzene	6/26/00	1	2	BQL
1,4-Dichlorobenzene	6/26/00	1	2	BQL
Ethylbenzene	6/26/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/26/00	1	2	BQL
Toluene	6/26/00	1	1	BQL
m/p-Xylene	6/26/00	1	2	BQL
o-Xylene	6/26/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: mz

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89941
Lab Project ID: G182-523

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/26/00	1	1	BQL
Chlorobenzene	6/26/00	1	1	BQL
1,2-Dichlorobenzene	6/26/00	1	2	BQL
1,3-Dichlorobenzene	6/26/00	1	2	BQL
1,4-Dichlorobenzene	6/26/00	1	2	BQL
Ethylbenzene	6/26/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/26/00	1	2	BQL
Toluene	6/26/00	1	1	BQL
m/p-Xylene	6/26/00	1	2	BQL
o-Xylene	6/26/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	106

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: mm

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89942
Lab Project ID: G182-523

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/26/00	1	1	BQL
Chlorobenzene	6/26/00	1	1	BQL
1,2-Dichlorobenzene	6/26/00	1	2	BQL
1,3-Dichlorobenzene	6/26/00	1	2	BQL
1,4-Dichlorobenzene	6/26/00	1	2	BQL
Ethylbenzene	6/26/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/26/00	1	2	BQL
Toluene	6/26/00	1	1	BQL
m/p-Xylene	6/26/00	1	2	BQL
o-Xylene	6/26/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: MW

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89943
Lab Project ID: G182-523

Analyzed By: RNP
Date Collected: 06/20/00
Date Received: 06/21/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	6/26/00	1	1	BQL
Chlorobenzene	6/26/00	1	1	BQL
1,2-Dichlorobenzene	6/26/00	1	2	BQL
1,3-Dichlorobenzene	6/26/00	1	2	BQL
1,4-Dichlorobenzene	6/26/00	1	2	BQL
Ethylbenzene	6/26/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	6/26/00	1	2	BQL
Toluene	6/26/00	1	1	BQL
m/p-Xylene	6/26/00	1	2	BQL
o-Xylene	6/26/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: mn

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-9-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89937
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-9-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89937
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.1	71
2-Fluorophenol	10	6.7	67
Nitrobenzene-d5	10	7.4	74
Phenol-d6	10	7.4	74
2,4,6-Tribromophenol	10	9.1	91
4-Terphenyl-d14	10	10.1	101

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89938
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID:	USTAS4141-OBG05-00B	Date Collected:	6/20/00
Client Project ID:	JP-5 Line Area	Date Received:	6/21/00
Lab Sample ID:	89938	Date Analyzed:	6/27/00
Lab Project ID:	G182-523	Analyzed By:	MRC
Matrix:	Water	Dilution:	1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
2-Fluorophenol	10	9.1	91
Nitrobenzene-d5	10	9.2	92
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	9.7	97
4-Terphenyl-d14	10	10.9	109

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89939
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89939
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
2-Fluorophenol	10	8.7	87
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.4	84
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	10.7	107

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: RW

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89940
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89940
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.6	66
2-Fluorophenol	10	5.4	54
Nitrobenzene-d5	10	6.1	61
Phenol-d6	10	5.8	58
2,4,6-Tribromophenol	10	8.7	87
4-Terphenyl-d14	10	11.5	115

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MM

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89941
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89941
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
2-Fluorophenol	10	7.7	77
Nitrobenzene-d5	10	8.1	82
Phenol-d6	10	8	80
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	10.9	109

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: mn

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89942
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89942
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
2-Fluorophenol	10	9.7	97
Nitrobenzene-d5	10	9.9	99
Phenol-d6	10	9.2	92
2,4,6-Tribromophenol	10	9.8	98
4-Terphenyl-d14	10	11.3	113

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: mm

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89943
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-00B
Client Project ID: JP-5 Line Area
Lab Sample ID: 89943
Lab Project ID: G182-523
Matrix: Water

Date Collected: 6/20/00
Date Received: 6/21/00
Date Analyzed: 6/27/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
2-Fluorophenol	10	8.5	85
Nitrobenzene-d5	10	8.5	85
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	9.3	93
4-Terphenyl-d14	10	11.5	115

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Jeff Henninger
Phone: 904-363-0911

Date: 6/20/00
Turnaround: Standard
Job Number: T.O. # 46
Page 1 of 1

Report To: Jeff Henninger

Invoice To: T.O. #46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: none	Preservative & No. Bottles:	Preservative & No. Bottles:	Analyses: 602	Analyses: 625	Analyses:	Analyses:	Analyses:	Analyses:	Analyses:	Comments
															G182-523
USTAS4141-OBG04-9-00B	6/20/00	12:03	GW	3	1			X	X						EQ water and temp. blank
USTAS4141-OBG05-00B		12:35	GW	3	1			X	X						provided by the lab.
USTAS4141-MW07-00B		11:30	GW	3	1			X	X						
USTAS4141-MW08-00B		11:00	GW	3	1			X	X						EED
USTAS4141-MW13-00B		12:20	GW	3	1			X	X						**Send To:**
USTAS4141-DUP-00B		—	GW	3	1			X	X						**evansp@clb.usmc.mil**
USTAS4141-EQ-00B	6/20/00	12:45	W	3	1			X	X						**Copy To:**
															pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	6/20/00	16:00		6/21/00	1005	1.9

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-9-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84250
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 3/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	20	BQL
3,3'-Dichlorobenzidine	10	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	50	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	10	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	20	BQL
Hexachlorocyclopentadiene		

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-9-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84250
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 3/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
2-Fluorophenol	10	8.4	84
Nitrobenzene-d5	10	9.3	93
Phenol-d6	10	8.3	83
2,4,6-Tribromophenol	10	9	90
4-Terphenyl-d14	10	10.3	103

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84251
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 3/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84251
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 3/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
2-Fluorophenol	10	8.3	83
Nitrobenzene-d5	10	10	100
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	9.1	91
4-Terphenyl-d14	10	11.2	111

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: hwn

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84252
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 3/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84252
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 3/31/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
2-Fluorophenol	10	8.2	82
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	8.4	84
2,4,6-Tribromophenol	10	8.8	88
4-Terphenyl-d14	10	10.6	106

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: hwr

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84253
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 4/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84253
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 4/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	8.8	88
Nitrobenzene-d5	10	9.9	99
Phenol-d6	10	9.1	91
2,4,6-Tribromophenol	10	9.8	98
4-Terphenyl-d14	10	11	110

Comments:
Results are corrected for %solids and dilution where applicable.

Flags:
BQL = Below Quantitation Limit.

Reviewed By: MW

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84254
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 4/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84254
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 4/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	87
2-Fluorophenol	10	8.1	81
Nitrobenzene-d5	10	9.6	97
Phenol-d6	10	8.6	86
2,4,6-Tribromophenol	10	9.5	95
4-Terphenyl-d14	10	11.5	115

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84255
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 4/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84255
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 4/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	8.3	83
Nitrobenzene-d5	10	9.5	95
Phenol-d6	10	8.4	84
2,4,6-Tribromophenol	10	7.6	76
4-Terphenyl-d14	10	10.9	110

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84256
Lab Project ID: G182-487
Matrix: Water

Date Collected: 3/23/00
Date Received: 3/24/00
Date Analyzed: 4/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID:	USTAS4141-EQ-00A	Date Collected:	3/23/00
Client Project ID:	JP-5 Line Area	Date Received:	3/24/00
Lab Sample ID:	84256	Date Analyzed:	4/4/00
Lab Project ID:	G182-487	Analyzed By:	MRC
Matrix:	Water	Dilution:	1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
2-Fluorophenol	10	7.7	77
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	8.1	81
2,4,6-Tribromophenol	10	8.3	83
4-Terphenyl-d14	10	11.3	114

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG04-9-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84250
Lab Project ID: G182-487

Analyzed By: CKC
Date Collected: 03/23/00
Date Received: 03/24/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/00	1	1	BQL
Chlorobenzene	3/31/00	1	1	BQL
1,2-Dichlorobenzene	3/31/00	1	2	BQL
1,3-Dichlorobenzene	3/31/00	1	2	BQL
1,4-Dichlorobenzene	3/31/00	1	2	BQL
Ethylbenzene	3/31/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/00	1	2	BQL
Toluene	3/31/00	1	1	BQL
m/p-Xylene	3/31/00	1	2	BQL
o-Xylene	3/31/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	103

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: [signature]

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG05-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84251
Lab Project ID: G182-487

Analyzed By: CKC
Date Collected: 03/23/00
Date Received: 03/24/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/00	1	1	BQL
Chlorobenzene	3/31/00	1	1	BQL
1,2-Dichlorobenzene	3/31/00	1	2	BQL
1,3-Dichlorobenzene	3/31/00	1	2	BQL
1,4-Dichlorobenzene	3/31/00	1	2	BQL
Ethylbenzene	3/31/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/00	1	2	BQL
Toluene	3/31/00	1	1	BQL
m/p-Xylene	3/31/00	1	2	BQL
o-Xylene	3/31/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-MW07-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84252
Lab Project ID: G182-487

Analyzed By: CKC
Date Collected: 03/23/00
Date Received: 03/24/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/00	1	1	BQL
Chlorobenzene	3/31/00	1	1	BQL
1,2-Dichlorobenzene	3/31/00	1	2	BQL
1,3-Dichlorobenzene	3/31/00	1	2	BQL
1,4-Dichlorobenzene	3/31/00	1	2	BQL
Ethylbenzene	3/31/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/00	1	2	BQL
Toluene	3/31/00	1	1	BQL
m/p-Xylene	3/31/00	1	2	BQL
o-Xylene	3/31/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	103

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84253
Lab Project ID: G182-487

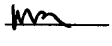
Analyzed By: CKC
Date Collected: 03/23/00
Date Received: 03/24/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/00	1	1	BQL
Chlorobenzene	3/31/00	1	1	BQL
1,2-Dichlorobenzene	3/31/00	1	2	BQL
1,3-Dichlorobenzene	3/31/00	1	2	BQL
1,4-Dichlorobenzene	3/31/00	1	2	BQL
Ethylbenzene	3/31/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/00	1	2	BQL
Toluene	3/31/00	1	1	BQL
m/p-Xylene	3/31/00	1	2	BQL
o-Xylene	3/31/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84254
Lab Project ID: G182-487

Analyzed By: CKC
Date Collected: 03/23/00
Date Received: 03/24/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/00	1	1	BQL
Chlorobenzene	3/31/00	1	1	BQL
1,2-Dichlorobenzene	3/31/00	1	2	BQL
1,3-Dichlorobenzene	3/31/00	1	2	BQL
1,4-Dichlorobenzene	3/31/00	1	2	BQL
Ethylbenzene	3/31/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/00	1	2	BQL
Toluene	3/31/00	1	1	BQL
m/p-Xylene	3/31/00	1	2	BQL
o-Xylene	3/31/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84255
Lab Project ID: G182-487

Analyzed By: CKC
Date Collected: 03/23/00
Date Received: 03/24/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/00	1	1	BQL
Chlorobenzene	3/31/00	1	1	BQL
1,2-Dichlorobenzene	3/31/00	1	2	BQL
1,3-Dichlorobenzene	3/31/00	1	2	BQL
1,4-Dichlorobenzene	3/31/00	1	2	BQL
Ethylbenzene	3/31/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/00	1	2	BQL
Toluene	3/31/00	1	1	BQL
m/p-Xylene	3/31/00	1	2	BQL
o-Xylene	3/31/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: [signature]

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-00A
Client Project ID: JP-5 Line Area
Lab Sample ID: 84256
Lab Project ID: G182-487

Analyzed By: CKC
Date Collected: 03/23/00
Date Received: 03/24/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/00	1	1	BQL
Chlorobenzene	3/31/00	1	1	BQL
1,2-Dichlorobenzene	3/31/00	1	2	BQL
1,3-Dichlorobenzene	3/31/00	1	2	BQL
1,4-Dichlorobenzene	3/31/00	1	2	BQL
Ethylbenzene	3/31/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/00	1	2	BQL
Toluene	3/31/00	1	1	BQL
m/p-Xylene	3/31/00	1	2	BQL
o-Xylene	3/31/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: MA

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 3/23/00
Turnaround: Standard
Job Number: T.O. # 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: T.O. #46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: none			Analyses: 602	Analyses: 625						Comments
USTAS4141-OBG04-9-00A	3/23/00	1030	GW	3	1			X	X						G182-487
USTAS4141-OBG05-00A		1020	GW	3	1			X	X						EQ water and temp. blank
USTAS4141-MW07-00A		1000	GW	3	1			X	X						provided by the lab.
USTAS4141-MW08-00A		0930	GW	3	1			X	X						
USTAS4141-MW13-00A		1040	GW	3	1			X	X						EED
USTAS4141-DUP-00A		—	GW	3	1			X	X						**Send To:**
USTAS4141-EQ-00A	3/23/00	11:00	W	3	1			X	X						**evansp@clb.usmc.mil**
															Copy To:
															pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	3/23/00	1600	[illegible]	3.24.00	0940	0.7, 0.8

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG04-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78808
Lab Project ID: G182-445

Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/4/00	1	1	BQL
Chlorobenzene	1/4/00	1	1	BQL
1,2-Dichlorobenzene	1/4/00	1	2	BQL
1,3-Dichlorobenzene	1/4/00	1	2	BQL
1,4-Dichlorobenzene	1/4/00	1	2	BQL
Ethylbenzene	1/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/4/00	1	2	BQL
Toluene	1/4/00	1	1	BQL
m/p-Xylene	1/4/00	1	2	BQL
o-Xylene	1/4/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG05-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78809
Lab Project ID: G182-445

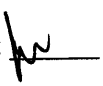
Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/4/00	1	1	BQL
Chlorobenzene	1/4/00	1	1	BQL
1,2-Dichlorobenzene	1/4/00	1	2	BQL
1,3-Dichlorobenzene	1/4/00	1	2	BQL
1,4-Dichlorobenzene	1/4/00	1	2	BQL
Ethylbenzene	1/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/4/00	1	2	BQL
Toluene	1/4/00	1	1	BQL
m/p-Xylene	1/4/00	1	2	BQL
o-Xylene	1/4/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW07-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78810
Lab Project ID: G182-445

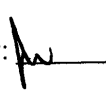
Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/4/00	1	1	BQL
Chlorobenzene	1/4/00	1	1	BQL
1,2-Dichlorobenzene	1/4/00	1	2	BQL
1,3-Dichlorobenzene	1/4/00	1	2	BQL
1,4-Dichlorobenzene	1/4/00	1	2	BQL
Ethylbenzene	1/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/4/00	1	2	BQL
Toluene	1/4/00	1	1	BQL
m/p-Xylene	1/4/00	1	2	BQL
o-Xylene	1/4/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78811
Lab Project ID: G182-445

Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/4/00	1	1	BQL
Chlorobenzene	1/4/00	1	1	BQL
1,2-Dichlorobenzene	1/4/00	1	2	BQL
1,3-Dichlorobenzene	1/4/00	1	2	BQL
1,4-Dichlorobenzene	1/4/00	1	2	BQL
Ethylbenzene	1/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/4/00	1	2	BQL
Toluene	1/4/00	1	1	BQL
m/p-Xylene	1/4/00	1	2	BQL
o-Xylene	1/4/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78812
Lab Project ID: G182-445

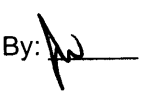
Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/5/00	1	1	BQL
Chlorobenzene	1/5/00	1	1	BQL
1,2-Dichlorobenzene	1/5/00	1	2	BQL
1,3-Dichlorobenzene	1/5/00	1	2	BQL
1,4-Dichlorobenzene	1/5/00	1	2	BQL
Ethylbenzene	1/5/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/5/00	1	2	BQL
Toluene	1/5/00	1	1	BQL
m/p-Xylene	1/5/00	1	2	BQL
o-Xylene	1/5/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78813
Lab Project ID: G182-445

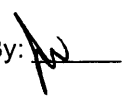
Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/5/00	1	1	BQL
Chlorobenzene	1/5/00	1	1	BQL
1,2-Dichlorobenzene	1/5/00	1	2	BQL
1,3-Dichlorobenzene	1/5/00	1	2	BQL
1,4-Dichlorobenzene	1/5/00	1	2	BQL
Ethylbenzene	1/5/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/5/00	1	2	BQL
Toluene	1/5/00	1	1	BQL
m/p-Xylene	1/5/00	1	2	BQL
o-Xylene	1/5/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78814
Lab Project ID: G182-445

Analyzed By: EKR
Date Collected: 12/28/99
Date Received: 12/29/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/5/00	1	1	BQL
Chlorobenzene	1/5/00	1	1	BQL
1,2-Dichlorobenzene	1/5/00	1	2	BQL
1,3-Dichlorobenzene	1/5/00	1	2	BQL
1,4-Dichlorobenzene	1/5/00	1	2	BQL
Ethylbenzene	1/5/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/5/00	1	2	BQL
Toluene	1/5/00	1	1	BQL
m/p-Xylene	1/5/00	1	2	BQL
o-Xylene	1/5/00	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78808
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78808
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
2-Fluorophenol	10	8.4	84
Nitrobenzene-d5	10	8.4	84
Phenol-d6	10	9.5	95
2,4,6-Tribromophenol	10	8.2	82
4-Terphenyl-d14	10	8.5	85

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78809
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78809
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

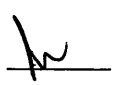
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.3	53
2-Fluorophenol	10	4.3	43
Nitrobenzene-d5	10	5	50
Phenol-d6	10	5.3	53
2,4,6-Tribromophenol	10	6.2	62
4-Terphenyl-d14	10	7.4	74

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78810
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**24**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78810
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

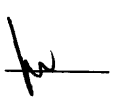
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
2-Fluorophenol	10	8.4	84
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.5	85
2,4,6-Tribromophenol	10	7.7	77
4-Terphenyl-d14	10	7.5	75

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78811
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78811
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

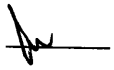
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.8	78
2-Fluorophenol	10	6.8	67
Nitrobenzene-d5	10	7.7	77
Phenol-d6	10	7.9	79
2,4,6-Tribromophenol	10	8.4	84
4-Terphenyl-d14	10	8.6	86

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78812
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78812
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

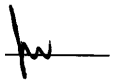
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
2-Fluorophenol	10	5.4	54
Nitrobenzene-d5	10	8.6	86
Phenol-d6	10	4.9	49
2,4,6-Tribromophenol	10	7.4	74
4-Terphenyl-d14	10	5.6	56

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78813
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**11**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78813
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

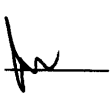
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
2-Fluorophenol	10	5.5	55
Nitrobenzene-d5	10	9.1	91
Phenol-d6	10	5.2	52
2,4,6-Tribromophenol	10	7.7	77
4-Terphenyl-d14	10	7.3	73

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78814
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-99D
Client Project ID: JP-5 Line Area
Lab Sample ID: 78814
Lab Project ID: G182-445
Matrix: Water

Date Collected: 12/28/99
Date Received: 12/29/99
Date Analyzed: 1/4/00
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-Nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
2-Fluorophenol	10	5.1	51
Nitrobenzene-d5	10	9	90
Phenol-d6	10	4.5	45
2,4,6-Tribromophenol	10	7.4	74
4-Terphenyl-d14	10	8.6	86

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 12/28/99
Turnaround: Standard
Job Number: T.O. # 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: T.O. #46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	none			Analyses: 602	625						Comments
USTAS4141-OBG04-99D	12/28/99	11:30	GW	3	1			X	X						G1882-445
USTAS4141-OBG05-99D		10:53	GW	3	1			X	X						EQ water and temp. blank
USTAS4141-MW07-99D		10:30	GW	3	1			X	X						provided by the lab.
USTAS4141-MW08-99D		10:10	GW	3	1			X	X						
USTAS4141-MW13-99D		11:10	GW	3	1			X	X						EED
USTAS4141-DUP-99D		—	GW	3	1			X	X						**Send To:**
USTAS4141-EQ-99D	12/28/99	11:40	W	3	1			X	X						**evansp@clb.usmc.mil**
															Copy To:
															pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	12/28/99	1600		12/29/99	0930	3.0, 1.9

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OBG04-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72928
Lab Project ID: G182-396

Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/30/99	1	1	BQL
Chlorobenzene	9/30/99	1	1	BQL
1,2-Dichlorobenzene	9/30/99	1	2	BQL
1,3-Dichlorobenzene	9/30/99	1	2	BQL
1,4-Dichlorobenzene	9/30/99	1	2	BQL
Ethylbenzene	9/30/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/30/99	1	2	BQL
Toluene	9/30/99	1	1	BQL
m/p-Xylene	9/30/99	1	2	BQL
o-Xylene	9/30/99	1	2	BQL

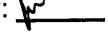
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	45	112

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-OBG05-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72929
Lab Project ID: G182-396

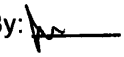
Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/30/99	1	1	BQL
Chlorobenzene	9/30/99	1	1	BQL
1,2-Dichlorobenzene	9/30/99	1	2	BQL
1,3-Dichlorobenzene	9/30/99	1	2	BQL
1,4-Dichlorobenzene	9/30/99	1	2	BQL
Ethylbenzene	9/30/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/30/99	1	2	BQL
Toluene	9/30/99	1	1	BQL
m/p-Xylene	9/30/99	1	2	BQL
o-Xylene	9/30/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW07-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72930
Lab Project ID: G182-396

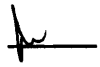
Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/30/99	1	1	BQL
Chlorobenzene	9/30/99	1	1	BQL
1,2-Dichlorobenzene	9/30/99	1	2	BQL
1,3-Dichlorobenzene	9/30/99	1	2	BQL
1,4-Dichlorobenzene	9/30/99	1	2	BQL
Ethylbenzene	9/30/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/30/99	1	2	BQL
Toluene	9/30/99	1	1	BQL
m/p-Xylene	9/30/99	1	2	BQL
o-Xylene	9/30/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW08-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72931
Lab Project ID: G182-396

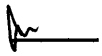
Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/30/99	1	1	BQL
Chlorobenzene	9/30/99	1	1	BQL
1,2-Dichlorobenzene	9/30/99	1	2	BQL
1,3-Dichlorobenzene	9/30/99	1	2	BQL
1,4-Dichlorobenzene	9/30/99	1	2	BQL
Ethylbenzene	9/30/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/30/99	1	2	BQL
Toluene	9/30/99	1	1	BQL
m/p-Xylene	9/30/99	1	2	BQL
o-Xylene	9/30/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	106

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-MW13-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72932
Lab Project ID: G182-396

Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/30/99	1	1	BQL
Chlorobenzene	9/30/99	1	1	BQL
1,2-Dichlorobenzene	9/30/99	1	2	BQL
1,3-Dichlorobenzene	9/30/99	1	2	BQL
1,4-Dichlorobenzene	9/30/99	1	2	BQL
Ethylbenzene	9/30/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/30/99	1	2	BQL
Toluene	9/30/99	1	1	BQL
m/p-Xylene	9/30/99	1	2	BQL
o-Xylene	9/30/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	104

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-DUP-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72933
Lab Project ID: G182-396

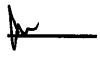
Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/29/99	1	1	BQL
Chlorobenzene	9/29/99	1	1	BQL
1,2-Dichlorobenzene	9/29/99	1	2	BQL
1,3-Dichlorobenzene	9/29/99	1	2	BQL
1,4-Dichlorobenzene	9/29/99	1	2	BQL
Ethylbenzene	9/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/29/99	1	2	BQL
Toluene	9/29/99	1	1	BQL
m/p-Xylene	9/29/99	1	2	BQL
o-Xylene	9/29/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	107

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4141-EQ-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72934
Lab Project ID: G182-396

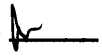
Analyzed By: EKR
Date Collected: 09/23/99
Date Received: 09/24/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	9/29/99	1	1	BQL
Chlorobenzene	9/29/99	1	1	BQL
1,2-Dichlorobenzene	9/29/99	1	2	BQL
1,3-Dichlorobenzene	9/29/99	1	2	BQL
1,4-Dichlorobenzene	9/29/99	1	2	BQL
Ethylbenzene	9/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	9/29/99	1	2	BQL
Toluene	9/29/99	1	1	BQL
m/p-Xylene	9/29/99	1	2	BQL
o-Xylene	9/29/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG04-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72928
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG04-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72928
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/28/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.9	89
2-Fluorobiphenyl	10	9.2	92
2-Fluorophenol	10	7.9	79
4-Terphenyl-d14	10	10	100
Nitrobenzene-d5	10	8.3	83
Phenol-d6	10	8.2	82

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG05-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72929
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG05-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72929
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	9.3	93
2-Fluorobiphenyl	10	8.4	84
2-Fluorophenol	10	6.7	67
4-Terphenyl-d14	10	13	130
Nitrobenzene-d5	10	7.4	74
Phenol-d6	10	7.6	76

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW07-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72930
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	10
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW07-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72930
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.5	85
2-Fluorobiphenyl	10	9.4	94
2-Fluorophenol	10	7.7	77
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	8.2	82
Phenol-d6	10	8	80

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW08-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72931
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW08-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72931
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	7.8	78
2-Fluorobiphenyl	10	7.8	78
2-Fluorophenol	10	6.1	61
4-Terphenyl-d14	10	13	130
Nitrobenzene-d5	10	6.6	66
Phenol-d6	10	6.8	68

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW13-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72932
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW13-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72932
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.7	87
2-Fluorobiphenyl	10	9.3	93
2-Fluorophenol	10	8.2	82
4-Terphenyl-d14	10	12	120
Nitrobenzene-d5	10	8.4	84
Phenol-d6	10	8.4	84

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-DUP-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72933
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-DUP-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72933
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.3	83
2-Fluorobiphenyl	10	10	100
2-Fluorophenol	10	8.6	86
4-Terphenyl-d14	10	14	140
Nitrobenzene-d5	10	8.7	87
Phenol-d6	10	8.8	88

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EQ-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72934
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EQ-99C
Client Project ID: JP-5 Line Area
Lab Sample ID: 72934
Lab Project ID: G182-396
Matrix: Water

Date Analyzed: 9/29/99
Analyzed By:
Date Collected: 9/23/99
Date Received: 9/24/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	6.7	67
2-Fluorobiphenyl	10	8.9	89
2-Fluorophenol	10	7.3	73
4-Terphenyl-d14	10	13	130
Nitrobenzene-d5	10	7.8	78
Phenol-d6	10	7.6	76

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way Suite 10
Address: Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 9/23/99
Turnaround: Standard
Job Number: T.O. # 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: T.O. #46

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Preservative & No. Bottles: None			Analyses: 602	Analyses: 625						Comments
															6182-394
USTAS4141-OBG04-99C	9/23/99	11:20	GW	3	1			X	X						EQ water and temp. blank
USTAS4141-OBG05-99C		11:00	GW	3	1			X	X						provided by the lab.
USTAS4141-MW07-99C		10:30	GW	3	1			X	X						
USTAS4141-MW08-99C		10:05	GW	3	1			X	X						EED
USTAS4141-MW13-99C		12:10	GW	3	1			X	X						**Send To:**
USTAS4141-DUP-99C		~	GW	3	1			X	X						**evansp@clb.usmc.mil**
USTAS4141-EQ-99C	9/23/99	11:30	W	3	1			X	X						**Copy To:**
															paulm@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	9/23/99	1600	E. Rawls	9/24/99	10:22	5.0

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG04-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66122
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG04-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66122
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	7.1	71
2-Fluorobiphenyl	10	7.4	74
2-Fluorophenol	10	5.8	58
4-Terphenyl-d14	10	8	80
Nitrobenzene-d5	10	6.8	68
Phenol-d6	10	7	70

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG05-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66123
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-OBG05-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66123
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.6	86
2-Fluorobiphenyl	10	9.6	96
2-Fluorophenol	10	8.6	86
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	9.3	93
Phenol-d6	10	8.8	88

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW07-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66124
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	15
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW07-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66124
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.8	88
2-Fluorobiphenyl	10	9.6	96
2-Fluorophenol	10	9.1	91
4-Terphenyl-d14	10	11	110
Nitrobenzene-d5	10	9.4	94
Phenol-d6	10	9.1	91

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW08-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66125
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW08-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66125
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	7.7	77
2-Fluorobiphenyl	10	6.9	69
2-Fluorophenol	10	6.6	66
4-Terphenyl-d14	10	5.1	51
Nitrobenzene-d5	10	6.9	69
Phenol-d6	10	7.1	71

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW13-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66126
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW13-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66126
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.9	89
2-Fluorobiphenyl	10	9.4	94
2-Fluorophenol	10	8.5	85
4-Terphenyl-d14	10	8.7	87
Nitrobenzene-d5	10	8.6	86
Phenol-d6	10	8.8	88

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-DUP-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66127
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	11
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-DUP-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66127
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/24/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	8.2	82
2-Fluorobiphenyl	10	8.6	86
2-Fluorophenol	10	5.9	59
4-Terphenyl-d14	10	9.1	91
Nitrobenzene-d5	10	7.4	74
Phenol-d6	10	7.7	77

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EQ-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66128
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/25/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzidine	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-EQ-99B
Client Project ID: JP-5 Line Area
Lab Sample ID: 66128
Lab Project ID: G182-341
Matrix: Water

Date Analyzed: 6/25/99
Analyzed By: MRC
Date Collected: 6/16/99
Date Received: 6/17/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	10	7.2	72
2-Fluorobiphenyl	10	8.8	88
2-Fluorophenol	10	7.7	77
4-Terphenyl-d14	10	12	120
Nitrobenzene-d5	10	7.9	79
Phenol-d6	10	8.1	81

Comments:

Results are corrected for %solids and dilution where applicable.
Analyzed By: MRC

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Paradigm Analytical Laboratories, Inc

NC Certification #481

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way
Address: Suite 10
Jacksonville, Fla. 32256

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 6/16/99
Turnaround: Standard
Job Number: T.O. # 46
Page 1 of 1

Report To: Casey Hudson

Invoice To: T.O. #46

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	none			Analyses: 602	625						Comments
															EED 6182-341
USTAS4141-OBG04-99B3		11:10	GW	3	1			X	X						EQ water and temp. blank
USTAS4141-OBG05-99B3		10:55	GW	3	1			X	X						provided by the lab.
USTAS4141-MW07-99B3		10:15	GW	3	1			X	X						
USTAS4141-MW08-99B3		9:35	GW	3	1			X	X						collection
USTAS4141-MW13-99B3		11:30	GW	3	1			X	X						dates taken
USTAS4141-DUP-99B3			GW	3	1			X	X						from bottle
USTAS4141-EQ-99B3		12:00	W	3	1			X	X						labels -
															apr. 6/18/99

No 3 on ent of sample id. per client 6/17/99 elk

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	6/16/99	1400		6/17/99	1023	0.8
						1.0

Sampled By	Airbill #
R. SAMPLE	
T. ELLERMAN	

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG04-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59252
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/9/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles by GCMS 625

Client Sample ID: USTAS4141-OBG04-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59252
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/9/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	83	83
2-Fluorobiphenyl	100	70	70
2-Fluorophenol	100	29	29
4-Terphenyl-d14	100	80	80
Nitrobenzene-d5	100	69	69
Phenol-d6	100	70	70

Reviewed By: [signature]

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59253
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/9/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-OBG05-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59253
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/9/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	101	101
2-Fluorobiphenyl	100	88	88
2-Fluorophenol	100	85	85
4-Terphenyl-d14	100	87	87
Nitrobenzene-d5	100	88	88
Phenol-d6	100	87	87

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59254
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/9/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	21
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW07-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59254
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/9/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	97	97
2-Fluorobiphenyl	100	86	86
2-Fluorophenol	100	82	82
4-Terphenyl-d14	100	84	84
Nitrobenzene-d5	100	85	85
Phenol-d6	100	84	84

Reviewed By: MRC

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59255
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/9/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW08-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59255
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/9/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	88	88
2-Fluorobiphenyl	100	67	67
2-Fluorophenol	100	56	56
4-Terphenyl-d14	100	65	65
Nitrobenzene-d5	100	66	66
Phenol-d6	100	68	68

Reviewed By: MA

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-MW13-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59256
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/10/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**24**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-MW13-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59256
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/10/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	83	83
2-Fluorobiphenyl	100	74	74
2-Fluorophenol	100	74	74
4-Terphenyl-d14	100	81	81
Nitrobenzene-d5	100	74	74
Phenol-d6	100	77	77

Reviewed By: MRC

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles

by GCMS 625

Client Sample ID: USTAS4141-DUP-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59257
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/10/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	**22**
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-DUP-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59257
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/10/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	81	81
2-Fluorobiphenyl	100	64	64
2-Fluorophenol	100	54	54
4-Terphenyl-d14	100	71	71
Nitrobenzene-d5	100	62	62
Phenol-d6	100	62	62

Reviewed By: _____

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59258
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/10/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	BQL
Acenaphthylene	10	BQL
Anthracene	10	BQL
Benzo[a]anthracene	10	BQL
Benzo[a]pyrene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Benzo[k]fluoranthene	10	BQL
Bis(2-chloroethoxy)methane	10	BQL
Bis(2-chloroethyl)ether	10	BQL
Bis(2-chloroisopropyl)ether	10	BQL
Bis(2-ethylhexyl)phthalate	10	BQL
4-bromophenyl phenyl ether	10	BQL
Butylbenzylphthalate	10	BQL
4-Chloro-3-methylphenol	10	BQL
2-Chloronaphthalene	10	BQL
2-Chlorophenol	10	BQL
4-Chlorophenyl phenyl ether	10	BQL
Chrysene	10	BQL
Di-n-Butylphthalate	10	BQL
Di-n-octylphthalate	10	BQL
Dibenzo[a,h]anthracene	10	BQL
1,2-Dichlorobenzene	10	BQL
1,3-Dichlorobenzene	10	BQL
1,4-Dichlorobenzene	10	BQL
3,3'-Dichlorobenzidine	20	BQL
2,4-Dichlorophenol	10	BQL
Diethylphthalate	10	BQL
2,4-Dimethylphenol	10	BQL
Dimethylphthalate	10	BQL
4,6-Dinitro-2-methylphenol	50	BQL
2,4-Dinitrophenol	50	BQL
2,4-Dinitrotoluene	10	BQL
2,6-Dinitrotoluene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Hexachlorobenzene	10	BQL
Hexachlorobutadiene	10	BQL
Hexachlorocyclopentadiene	20	BQL
Hexachloroethane	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
Isophorone	10	BQL
N-nitrosodi-n-propylamine	10	BQL
N-Nitrosodiphenylamine	10	BQL

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Semivolatiles
by GCMS 625

Client Sample ID: USTAS4141-EQ-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59258
Lab Project ID: G182-292
Matrix: Water

Date Analyzed: 4/10/99
Analyzed By: MRC
Date Collected: 3/22/99
Date Received: 3/23/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Nitrobenzene	10	BQL
2-Nitrophenol	10	BQL
4-Nitrophenol	50	BQL
Pentachlorophenol	50	BQL
Phenanthrene	10	BQL
Phenol	10	BQL
Pyrene	10	BQL
1,2,4-Trichlorobenzene	10	BQL
2,4,6-Trichlorophenol	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2,4,6-Tribromophenol	100	79	79
2-Fluorobiphenyl	100	75	75
2-Fluorophenol	100	72	72
4-Terphenyl-d14	100	102	102
Nitrobenzene-d5	100	81	81
Phenol-d6	100	75	75

Reviewed By: [signature]

Comments:
BQL = Below Quantitation Limit
All values corrected for dilution.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OBG04-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59252
Lab Project ID: G182-292

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-OBG05-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59253
Lab Project ID: G182-292

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-MW07-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59254
Lab Project ID: G182-292

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	38	95

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: mv

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-MW08-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59255
Lab Project ID: G182-292

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: MAK

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-MW13-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59256
Lab Project ID: G182-292

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-DUP-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59257
Lab Project ID: G182-292

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: USTAS4141-EQ-99A
Client Project ID: JP-5 Line Area
Lab Sample ID: 59258
Lab Project ID: G182-292

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

Results for Volatiles

by GC 602

Client Sample ID: Trip Blank
Client Project ID: JP-5 Line Area
Lab Sample ID: 59259
Lab Project ID: G182-292

Analyzed By: ELP
Date Collected: 03/22/99
Date Received: 03/23/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	3/31/99	1	1	BQL
Chlorobenzene	3/31/99	1	1	BQL
1,2-Dichlorobenzene	3/31/99	1	2	BQL
1,3-Dichlorobenzene	3/31/99	1	2	BQL
1,4-Dichlorobenzene	3/31/99	1	2	BQL
Ethylbenzene	3/31/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	3/31/99	1	2	BQL
Toluene	3/31/99	1	1	BQL
m/p-Xylene	3/31/99	1	2	BQL
o-Xylene	3/31/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	38	95

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES

Chain-of-Custody Record & Analytical Request

2627 Northchase Parkway SE. Wilmington, NC 28405 Phone: (910)-350-1903 FAX: (910)-350-1557

Client: J.A. Jones
Address: 8936 Western Way
Address: Suite 10
Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: JP-5 Line Area
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 3/22/99
Turnaround: Standard
Job Number: D.O. # 46
Page 1 of 1

Report To: Casey Hudson

Invoice To:

D.O. #46

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid				Analyses: 602	625						Comments
USTAS4141-OBG04-99A	3/22/99	9:17	W	X				X	X						G182-292
USTAS4141-OBG05-99A	3/22/99	9:34	W	X				X	X						EQ water and temp. blank
USTAS4141-MW07-99A	3/22/99	10:18	W	X				X	X						provided by the lab.
USTAS4141-MW08-99A	3/22/99	10:50	W	X				X	X						
USTAS4141-MW13-99A	3/22/99	8:58	W	X				X	X						
USTAS4141-DUP-99A	3/22/99		W	X				X	X						
USTAS4141-EQ-99A	3/22/99	8:56	W	X				X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Sheridan	3/22/99	12:10	E Rahus	3/23/99	9:47	2.0, 1.8		

Paradigm Analytical Laboratories, Inc

NC Certification #481