FINAL
ANNUAL MONITORING REPORT
SOIL AND GROUNDWATER REMEDIATION
BUILDING AS-4158
MARINE CORPS AIR STATION
NEW RIVER, NORTH CAROLINA

Prepared for:

DEPARTMENT OF THE NAVY
Contract No. N62470-02-D-3260

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

Submitted by:

Shaw Environmental, Inc.

11560 Great Oaks Way, Suite 500
Alpharetta, GA 30022

Task Order 0011
Shaw Project No. 845823
January 2004

FINAL
ANNUAL MONITORING REPORT
SOIL AND GROUNDWATER REMEDIATION
BUILDING AS-4158
MARINE CORPS AIR STATION
NEW RIVER, NORTH CAROLINA

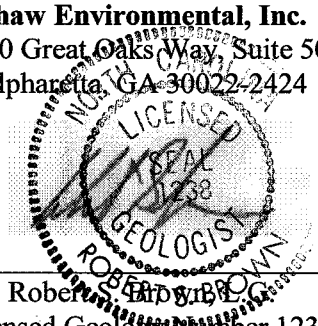
Prepared for

DEPARTMENT OF THE NAVY
Contract No. N62470-02-D-3260
Task Order 0011

Atlantic Division
Naval Facilities Engineering Command
6506 Hampton Boulevard
Building A (South East Wing) 3rd Floor
Norfolk, Virginia 24311-6287

Submitted by:

Shaw Environmental, Inc.
11560 Great Oaks Way, Suite 500
Alpharetta, GA 30022-2424



Robert B. Brown, P.G.
Licensed Geology Number 1238

Ronald B. Kenyon
Project Manager

Roland Moreau, P.E.
Program Manager

January 2004
Project No. 845823

ACRONYM LIST

AFVR	aggressive fluid-vapor recovery
AST	aboveground storage tank
BQL	Below Laboratory Quantitation Limits
CAP	Corrective Action Plan
Catlin	Catlin and Associates, Inc.
EMD	Environmental Management Division
ft bls	feet below land surface
GTGS	Groundwater Technology Government Services
J.A. Jones	J.A. Jones Environmental Services Company
LNAPL	light non-aqueous phase liquid
Law	Law Engineering and Environmental Services, Inc.
µg/l	micrograms per liter
mg/kg	milligrams per kilogram
mg/m^3	milligrams per cubic meter
MCAS	Marine Corps Air Station
NAVFACENGCOM	Naval Facilities Engineering Command
NCAC	North Carolina Administrative Code
NCDENR	North Carolina Department of Environment and Natural Resources
PAH	Polynuclear Aromatic Hydrocarbon
Paradigm	Paradigm Analytical Laboratories, Inc.
ppm	parts per million
SVE	Soil Vapor Extraction
TPH	Total Petroleum Hydrocarbons
USEPA	United States Environmental Protection Agency
UST	underground storage tank
VOC	Volatile Organic Compound
MW	Monitoring Well
PW	Pumping Well
HP	hydropunch Penetrometers
cfm	cubic feet per minute

TABLE OF CONTENTS

ACRONYM LIST i

TABLE OF CONTENTS ii

LIST OF TABLES iii

LIST OF FIGURES iv

LIST OF APPENDICES v

EXECUTIVE SUMMARY vi

SECTION 1.0 INTRODUCTION **1-1**
- 1.1 SITE HISTORY 1-2
- 1.2 SITE ASSESSMENT AND CORRECTIVE ACTION SUMMARY 1-3
- 1.3 GROUNDWATER MONITORING 1-5
- 1.4 LNAPL RECOVERY 1-5

SECTION 2.0 OPERATION AND MAINTENANCE **2-1**
- 2.1 OPERATION HISTORY 2-1
- 2.2 SYSTEM OPERATION AND MAINTENANCE REQUIREMENTS 2-2
- 2.3 SYSTEM REPAIRS AND TROUBLESHOOTING 2-3
- 2.4 SYSTEM DERIVED WASTE 2-4

SECTION 3.0 ANALYTICAL SUMMARY **3-1**
- 3.1 GROUNDWATER SAMPLING 3-1
- 3.2 AIR SAMPLING 3-4

SECTION 4.0 CONCLUSIONS AND RECOMMENDATIONS **4-1**

LIST OF TABLES

Table No.	Title
1-1	Groundwater Elevation Measurement Summary
1-2	Transportation and Disposal Log
3-1	Summary of Detected Concentrations - Groundwater Monitoring Well Samples
3-2	Summary of Detected Concentrations - Air Quality Samples

LIST OF FIGURES

Figure No.	Title
1-1	Site Plan
2-1	Groundwater Elevation – Type II Wells – April 24,1998
2-2	Groundwater Elevation – Type II Wells – November 22,1999
2-3	Groundwater Elevation – Type II Wells – April 25, 2000
2-4	Groundwater Elevation – Type II Wells – November 5, 2001
2-5	Groundwater Elevation – Type II Wells – April 15, 2002
3-1	Dissolved Groundwater Contaminant Isopleth Map - March 27, 1998
3-2	Dissolved Groundwater Contaminant Isopleth Map - April 19, 1999
3-3	Dissolved Groundwater Contaminant Isopleth Map - April 25, 2000
3-4	Dissolved Groundwater Contaminant Isopleth Map - April 17, 2001
3-5	Dissolved Groundwater Contaminant Isopleth Map - April 15, 2002
3-6	Dissolved Groundwater Contaminant Isopleth Map - January 14, 2003

LIST OF APPENDICES

APPENDIX A GROUNDWATER SAMPLES - LABORATORY DATA

APPENDIX B AIR QUALITY SAMPLES - LABORATORY DATA

EXECUTIVE SUMMARY

J.A. Jones prepared a Draft Annual Monitoring Report in December 2002 presenting operation and monitoring results from April 1998 through July 2002. The Department of the Navy Atlantic Division, NAVFACENGCOM, has retained Shaw Environmental, Inc. to complete this Annual Monitoring Report. This report documents remedial system operation and groundwater analytical results through January 2003.

From April 1998 through April 2002, J.A. Jones implemented the selected approach as outlined in the September 11, 1995 CAP prepared by Catlin for the Building AS-4158 site. The selected remedial approach consisted of air sparging and soil vapor extraction as well as groundwater monitoring to maintain optimum treatment system performance and track petroleum-impacted groundwater migration to verify remediation progress.

LNAPL was observed at the Building AS-4158 site during the removal of three fuel dispensing USTs on August 18, 1992. In April 1998 the air sparge/soil vapor extraction system was installed and remained in operation until December 1999, at which time the treatment system was shut down due to consistently low concentrations of petroleum related constituents. One year of post-operation monitoring was initiated. In February 2001, however, the system was restarted due to an increase in contaminant concentrations in monitoring wells MW-9, MW-11, and MW-13. As of January 2003, the system remains operational.

Overall, since the March 27, 1998 sampling event, detected concentrations of VOCs have been reduced significantly. Of the fifteen monitoring wells sampled at the site, only monitoring wells MW-9, MW-11, and MW-13 have displayed contamination above the NCAC Title 15A Subchapter 2L groundwater quality standards since October 21, 1998.

Monitoring well MW-9 is the only well sampled that has displayed the presence of dissolved PAH compounds above groundwater quality standards dating back to October 2000 (MW-13: naphthalene 90 µg/L; and 1-methylnaphthalene, 14 µg/L). With the exception of MW-13 (naphthalene, 13 µg/L; 1-methylnaphthalene, 22 µg/L; and 2- methylnaphthalene, 32) during the April 1999 sampling event, there have been no detections of PAHs above groundwater quality standards in any of the other 13 wells in the groundwater-monitoring network dating back to June 1998.

In January 2002 a fuel leak from an underground fuel transfer line was suspected. The underground fuel line was tightness tested in April 2002. The results confirmed a leak, which was found to have occurred in the vicinity of monitoring well MW-9. The release was then reported to the state on April 30, 2002 and repairs were made in November 2002. During this reporting period, product thickness was measured on a regular basis in MW-9 and hand bailing

was performed routinely to recover LNAPL at this well. Between April 1998 and December 2002 a total of 110 gallons of LNAPL has been recovered from monitoring well MW-9.

The overall reduction in contaminant concentrations within the dissolved petroleum contaminant plume indicates that the air sparge/soil vapor extraction treatment system has been effective in volatilizing and removing the petroleum hydrocarbons present in the groundwater at the Building AS-4158 site.

In January 2003, J.A. Jones recommended shutting the remedial system down and continued removal of LNAPL from MW-9 until it is not detected during four consecutive quarters. Following four consecutive quarters of no product, quarterly post-operation sampling would be initiated until dissolved petroleum related constituent concentrations consistently meet the site rehabilitation concentrations established by the 15A NCAC 2L groundwater quality standards.

However, as of January 2003, free phased product was still present in MW-9. Therefore, the air sparge/SVE system remained in operation.

SECTION 1.0

INTRODUCTION

J.A. Jones prepared a Draft Annual Monitoring Report in December 2002 presenting operation and monitoring results from April 1998 through July 2002. As part of the installation, operation, and maintenance of the soil and groundwater treatment system at Building AS-4158 located on MCAS, New River, North Carolina, the Department of the Navy Atlantic Division, NAVFACENGCOM has retained Shaw Environmental Inc. to complete this Annual Monitoring report. The purpose of this report is to present the findings and recommendations associated with operation of the soil and groundwater treatment system as well as groundwater monitoring activities from April 1998 to January 2003.

This Annual Monitoring Report is organized into four sections of text including tables that present historical analytical results from sampling events and groundwater elevations at the site. Figures provided in this report present the site layout, groundwater elevation contour maps detailing on-site groundwater flow patterns, and dissolved groundwater contaminant isopleth maps which present the interpreted areal extent of dissolved hydrocarbon compounds detected above NCDENR groundwater quality standards. Also included are two appendices that present the laboratory analytical reports from the groundwater treatment system and groundwater monitoring well sampling events.

Section 1.0 Introduction includes the site history, a summary of site assessment and corrective action activities completed at the site, a summary of LNAPL recovery efforts, and groundwater monitoring activities.

Section 2.0 Operation and Maintenance provides a summary of operation of the soil and groundwater treatment system including any problems encountered and troubleshooting required during remedial system operation.

Section 3.0 Analytical Summary presents a summary of analytical results from groundwater samples collected during the quarterly monitoring well sampling events.

Section 4.0 Conclusions and Recommendations presents the conclusions and recommendations developed for operation of the soil and groundwater treatment system as well as and quarterly groundwater monitoring well sampling events.

1.1 SITE HISTORY

Building AS-4158 is located at the MCAS New River, North Carolina. **Figure 1-1** provides a layout of the Building AS-4158 site.

According to the Leaking Underground Storage Tank Site Assessment Report, dated October 4, 1994 and prepared by Law, the presence of hydrocarbon material was identified by Environmental and Regulatory Consultants, Inc. during the removal of three fuel dispensing USTs on August 18, 1992. One of the 3,000 gallon capacity steel USTs supplied gasoline for MCAS vehicles. The other two 3,000 gallon steel USTs supplied diesel fuel for MCAS vehicles. No documentation was made of the age or condition of the USTs at the time of removal. The three USTs were replaced with two 10,000 gallon capacity ASTs, which currently store diesel fuel and are located adjacent to the location of the former USTs.

Law conducted a site assessment at Building AS-4158 to evaluate the impact to the groundwater and vadose zone soil caused by the release of petroleum hydrocarbon contaminants from the former USTs. A summary of the site assessment is presented in Section 1.2 Site Assessment and Corrective Action Summary.

An evaluation of appropriate remedial alternatives for the Building AS-4158 site was presented in the CAP, dated September 11, 1995. The selected remedial approach at Building AS-4158 consisted of the installation of an air sparge/soil vapor extraction system to recover LNAPL, coupled with groundwater monitoring to evaluate the migration and attenuation of the dissolved petroleum hydrocarbon constituents from the former UST basin.

To monitor the dissolved petroleum hydrocarbon constituents in groundwater, J.A. Jones collected groundwater samples during 19 quarterly events (from April 1998 to January 2003) from the following monitoring wells; MW-1, MW-2, MW-3, MW-4, MW-5, MW-7, MW-8, MW-9, MW-10, MW-11, MW-13, MW-14, MW-15, MW-17 and MW-18.. A summary of the groundwater monitoring activities is presented in Section 1.3 Groundwater Monitoring.

1.2 SITE ASSESSMENT AND CORRECTIVE ACTION SUMMARY

In March and April of 1993, Groundwater Technology Government Services performed a three well site check, which involved the advancement of three soil borings that were converted to monitoring wells AS-4158MW-1, AS-4158MW-2, and AS-4158MW-3. Each of the monitoring wells was installed to a depth of approximately 17 ft bls and completed using 15 feet of screened section. Groundwater samples were collected from each of the three monitoring wells and were analyzed for volatile aromatic hydrocarbons using USEPA Method 602. Dissolved hydrocarbons were detected in each of the three groundwater samples.

In December 1993 and January 1994, as part of the site assessment activities, Law installed 15 hydropunch penetrometers, 12 Type II groundwater monitoring wells, three Type III groundwater monitoring wells, and one 6-inch diameter recovery well to evaluate site geology and determine the extent of petroleum-impacted groundwater and unsaturated soil. The groundwater monitoring wells and recovery well were designated as MW-4 through MW-18 and PW-1, respectively.

During field investigation work documented by the Site Assessment Report, Law collected soil samples from the 16 borings advanced for the installation of the Type II and Type III groundwater monitoring wells as well as the recovery well.

- Two soil samples were collected from each soil boring for MW-4, MW-5, MW-7 through MW-18 and PW-1. The samples were analyzed for gasoline range and diesel range TPH using USEPA Methods Modified 8015/5030 and 8015/3550, respectively.
- Three soil samples were collected from the soil boring for MW-6 and analyzed for gasoline range and diesel range TPH using USEPA Method Modified 8015/5030 and 8015/3550, respectively.

Two soil samples were retained from each soil boring for either on-site or off-site laboratory analysis. The on-site laboratory was owned and operated by Geochem, Incorporated located in Morrisville, North Carolina. All off-site samples were submitted to Law Environmental National Laboratories in Pensacola, Florida. The laboratory results are summarized below:

- TPH-gasoline was detected in MW-4 (1.2 mg/kg), MW-9 (180 mg/kg), and MW-13 (0.87 mg/kg). All except for MW-9 were below the NCDENR action levels of 10 mg/kg for TPH-gasoline.
- TPH-diesel was detected in MW-9 (3,400 mg/kg), MW-11 (17 mg/kg), MW-15 (3.3 mg/kg), and MW-17 (5.7 mg/kg). All except for MW-9 were below the NCDENR action levels of 40 mg/kg for TPH-diesel.

Type II groundwater monitoring wells, designated MW-4, MW-5, MW-6, MW-7, MW-10, MW-12, MW-14 were installed to a depth of 16.5 ft bls completed with a 10-foot section of well screen. Type II groundwater monitoring wells, designated MW-8, MW-9 (product recovery well), MW-11, MW-13, and MW-15 were installed to a depth of 17 ft bls completed with a 10 foot section of well screen. Type III groundwater monitoring wells, designated MW-16 through MW-18 were installed to a depth of 50.5 ft bls completed with a 5 foot section of well screen. In addition, the pumping well, designated PW-1 was installed to a depth of 30 ft bls completed with a 20 foot section of well screen set at the well completion depth.

In December 1993, 10 groundwater samples were collected using a Hydropunch sampling probe to provide delineation information concerning the dissolved petroleum hydrocarbon constituents and LNAPL plume at Building AS-4158. Groundwater samples were collected by driving the Hydropunch probe through the unsaturated zone into the water bearing zone and then opening the Hydropunch to allow groundwater to enter the sample chamber. A small-diameter, decontaminated Teflon bailer was then lowered into the chamber to collect the samples. In addition, during December 1993 and January 1994, groundwater samples were collected from monitoring wells MW-1 through MW-18 and PW-1. The samples were analyzed for volatile aromatic hydrocarbons using USEPA Method 601/602 and USEPA Method 625 (reporting Method 610 analyte list).

Petroleum hydrocarbon constituents were detected in the groundwater samples collected from hydropunch penetrometers HP-1 through HP-8 and groundwater monitoring wells MW-2 through MW-4, MW-7, MW-9 (former product recovery well) through MW-17, and PW-1. According to the CAP dated September 11, 1995, prepared by Catlin, the primary groundwater contaminants identified at the site were benzene, ethylbenzene, acenaphthene, anthracene, benzo(a)anthracene, chrysene, fluoranthene, 1-Methylnaphthalene, 2-Methylnaphthalene, bromoform, dibromochloromethane, bromodichloromethane, and chloroform. The maximum detected groundwater concentrations of these contaminants, as presented in the CAP, with their corresponding site rehabilitation levels, as established in NCAC Title 15A Subchapter 2L groundwater quality standards, are provided as follows:

North Carolina Groundwater Quality Standards and Site Target Cleanup Concentrations

Groundwater Constituent	Maximum Detected Concentration (µg/l)	Site Rehabilitation Concentration (µg/l)
Benzene	1,400	1.0
Ethylbenzene	1,700	29
Acenaphthene	2.8	80
Anthracene	1.2	2,100
Benzo(a)anthracene	18	.05
Chrysene	7.0	5
Fluoranthene	2.7	280
1-Methylnaphthalene	3.4	*
2-Methylnaphthalene	2.9	28
Bromoform	2.3	0.19
Dibromochloromethane	1.6	*
Bromodichloromethane	0.7	*
Chloroform	2.7	0.00019

The asterisk (*) indicates that no numerical standard has been established. As a result, according to NCAC Title 15A Subchapter 2L, the target rehabilitation concentration is the laboratory detection limit.

According to the CAP, dated September 11, 1995, prepared by Catlin, contaminants of concern identified at the site are TPH-gasoline range (EPA Method 5030) and TPH-diesel range (EPA Method 3550). The maximum detected soil concentrations for these TPH ranges, as presented in the CAP, with their corresponding site rehabilitation levels, are provided below:

Soil Maximum Detected Concentrations and Site Target Cleanup Concentrations

Soil Constituent	EPA Method	Maximum Detected Concentration	Site Rehabilitation Concentration
TPH Gasoline range	5030	180 mg/Kg	40 ppm
TPH Diesel range	3550	3,400 mg/Kg	160 ppm

1.3 GROUNDWATER MONITORING

The air sparge/soil vapor extraction system is designed to reduce the dissolved petroleum hydrocarbon groundwater concentrations to site rehabilitation levels regulated by the NCDENR. These site rehabilitation levels are provided in the NCAC Title 15A Subchapter 2L.

To monitor the effectiveness of the air sparge/soil vapor extraction system in the reduction of dissolved petroleum hydrocarbon constituents in groundwater, J.A. Jones collected quarterly groundwater samples from 15 monitoring wells from April 1998 to January 2003. These wells were used to evaluate the migration of dissolved petroleum hydrocarbon constituents from the former UST basin. Review of the analytical results from these quarterly groundwater samples indicate that only three monitoring wells (MW-9, MW-11 and MW-13) have exceeded groundwater quality standards since June-1998. All samples were delivered to Paradigm and analyzed for volatile aromatic hydrocarbons using USEPA Method 602 and USEPA Method 625 (reporting Method 610 analyte list.

Groundwater elevations were measured monthly from April 1998 to January 2003 in each of the 18 sampled groundwater monitoring wells, MW-1 through MW-18 and pumping well PW-1. The groundwater elevation data, including the depth to water and LNAPL, are presented in **Table 1-1**.

1.4 LNAPL RECOVERY

Monitoring well MW-9 served as a free product recovery well for the removal of LNAPL. LNAPL recovery was initially performed using a passive skimmer method in 1995, but is currently being recovered manually by hand bailing when required. The monitoring well was gauged for free product on a monthly schedule.

SECTION 2.0
OPERATION AND MAINTENANCE

2.1 OPERATION HISTORY

Free product recovery was initially recommended in the Site Assessment and initiated in April 1995. According to the CAP prepared by Catlin, from April 1995 to July 1995, 3.51 gallons of free product had been recovered from MW-9 using a passive skimmer. LNAPL gauging activities conducted July 13, 1995 indicated that product thickness in MW-9 had decreased from 6.03 feet to 0.02 feet. Measurable LNAPL thickness was not identified in any other on-site well during site assessment and corrective action activities.

Based on the CAP, the goal for soil remediation was the removal or reduction of vadose zone soil contamination to Final Cleanup Levels (40 parts per million (ppm) TPH as gasoline and 160 ppm TPH as diesel). The CAP also identified the goal for groundwater remediation to be the removal of free product and decreasing petrochemical constituent concentrations to levels required by Title 15A Subchapter 2L.

The selected remedial approach was an air sparge/soil vapor extraction system. Air sparging the groundwater involves injecting pressurized air into the subsurface via strategically located air sparging wells. As groundwater flows past these wells, air forced into the subsurface bubbles up through the groundwater volatilizing dissolved hydrocarbons. In conjunction with air sparging, shallow vapor extraction lines were installed within the unsaturated zone. These lines were used to collect vapors generated from the air sparging system and discharge the collected vapors directly into the atmosphere. In addition to volatilization, the oxygen provided to the subsurface encourages the growth of microorganisms and contaminant degradation through bioremediation.

The SVE system consists of two horizontal wells (east line and west line) installed in the unsaturated soil above the sparge lines. These horizontal wells collect vapors generated during air sparging. To sufficiently remove vapors, the system was designed to extract four times the quantity of air injected by the sparging system or 377 cubic feet per minute (cfm) for the west line and 426 cfm for the east line. Moisture generated from the soil vapor extraction process is removed using an air/water separator and any particulate is removed through a filter prior to the positive displacement blower. Pilot test results indicated a lateral influence of 15 feet could be expected from each horizontal well. To prevent vapors from entering Building AS-4158, an additional SVE well was installed between Building AS-4158 and AS-4165 (pump island).

The system was started April 4, 1998 and operated until it was shut down on December 29, 1999. The system was shut down because a measurable volume of LNAPL had not been detected in recovery well MW-9 since December 10, 1998, and dissolved concentrations of petroleum related constituents had remained at very low concentrations.

Beginning in October 2000, review of analytical results from groundwater samples collected during the quarterly post-operation monitoring well sampling event indicated that benzene was detected in samples from monitoring wells MW-9, MW-11, and MW-13 at slightly higher concentrations than those detected during the previous quarter (July 2000). Overall, the concentration of benzene in MW-9 (17 µg/l, January 2000; to 100 µg/l, October 2000) had increased by an order of magnitude since the system's shut down. Concentrations of benzene (BQL to 300 µg/l), ethylbenzene (BQL to 550 µg/l), and total xylenes (BQL to 1,280 µg/l) detected in MW-13 had increased several orders of magnitude since the remedial system was shutdown.

Due to these increases, J.A. Jones conducted an AFVR event on monitoring wells MW-9 and MW-13 on December 14, 2000. This AFVR event recovered 10 gallons of LNAPL and 1.73 gallons of VOCs as gasoline and diesel. Based on the increases in concentrations of volatile and semi-volatile organic compounds in groundwater samples collected from monitoring wells MW-9, MW-11 (consistent relatively low concentrations of benzene), and MW-13, the air sparge/soil vapor extraction system was re-started on February 13, 2001. On February 2, 2001, J.A. Jones also recovered 0.2 gallons of LNAPL from passive skimmers in monitoring wells MW-2 and MW-3.

During the January 2002 quarterly sampling event, LNAPL was discovered in MW-9 at a thickness of 2.9 feet. This was the first time LNAPL had been detected in this well since December 1998. According to Nikki Hall, EMD, transfer piping from an active AST system is located adjacent to MW-9. Therefore, tightness testing was performed to determine if a possible leak had occurred. Tightness testing completed in April 2002 confirmed a leak in the underground transfer lines. Subsequent repairs were made once funding was received in November 2002. Approximately 67.03 gallons of product was removed from MW-9 in the period from January to December 2002 via hand bailing, and 5 gallons of LNAPL was removed via vacuum truck. The total amount of LNAPL recovered from the site from April 1998 to December 2002 was 110 gallons.

Groundwater elevation contour maps presented in **Figures 2-1 through 2-5** depict the groundwater flow direction using the groundwater elevation data obtained during quarterly sampling events. The predominant direction of groundwater flow at the area of the release and at the dissolved groundwater plume area is to the southwest.

2.2 SYSTEM OPERATION AND MAINTENANCE REQUIREMENTS

Scheduled operation and maintenance inspections were performed weekly to maintain the performance and operation of the treatment equipment, to inspect moisture accumulation level in the storage tank, and to collect and record instrumentation readings. Instrumentation readings include air sparge and soil vapor extraction pressure, vacuum, and flow rate at the wells and within the treatment building. The frequency of the scheduled operations and maintenance inspections were as follows.

Event Description	Frequency
Record Instrumentation Readings	Monthly
Service Equipment As Required by the Manufacturer's Instructions	
Measure and Record Groundwater Elevations	Monthly
Collect Groundwater Monitoring Well Samples	Monthly for 1st Quarter, then Quarterly thereafter
Collect Soil Vapor Extraction Effluent Sample	Monthly for 1st Quarter, then Quarterly thereafter

Non-scheduled operation and maintenance events were required to troubleshoot equipment and treatment system malfunctions and to repair and adjust treatment system equipment.

2.3 SYSTEM REPAIR AND TROUBLESHOOTING

Since start-up of the soil and groundwater treatment system on April 16, 1998, there have been some repairs and troubleshooting associated with operation of the system. The following bullets present a summary of the major events associated with the operation and maintenance of the system from April 4, 1998 through December 31, 2002.

- In August of 1998, it was discovered that oil from the air compressor was being blown down through the air line into the coalescing filter of the system. Approximately half a pint of oil was emptied from the compressor; maintenance was performed on the compressor and the system was re-started.
- In August of 1999, the air sparge system was shut down for twelve days because of a damaged air compressor.
- The SVE system was shut down again in March 7, 2001, due to an inoperable input shaft on the blower, however, the air sparge system remained in operation. SVE system was restarted on June 27, 2001.
- The SVE system was shut down again due to a defective blower on February 25, 2002. The blower was shipped to the manufacture for repairs, returned, and the SVE system restarted on May 31, 2002.

Besides the system repairs outlined above, the system was non-operational during groundwater sampling events, AFVR events, power outages, replacement of flow meters, replacement of filters, LNAPL recovery at MW-9, hurricanes, and during high/high level water alarms from the condensate storage tank.

2.4 SYSTEM DERIVED WASTE

Waste material generated during installation and operation of the remedial system was either treated onsite or disposed at an approved offsite facility. The following bullets present a summary of waste disposal at the site:

- From December 22, 1997 to January 9, 1998 approximately 12,000 gallons of development water from horizontal drilling accumulated and was transported by Pridgen Trucking and treated by HOH Corporation.
- Approximately 2,750 gallons of development water was transported by Pridgen Trucking and treated by Shamrock Environmental Corporation during the period from January 9, 1998 to January 21, 1998.
- Approximately 27.13 tons of non-hazardous POL contaminated soil was transported by SouthCo Enterprises, Inc. and treated by Carlisle Farms, Inc on February 26, 1998.
- From May 20, 1998 to January 29, 1999 approximately 2,636 gallons of groundwater, which had accumulated during soil vapor extraction system operation, were transported by J. A. Jones and treated at the Groundwater Treatment System, former Rifle Range RR-72.
- From January 29, 1999 to May 25, 1999 approximately 796.5 gallons of recovered AFVR groundwater and groundwater accumulated during soil vapor extraction system operation were transported by J.A. Jones and treated at the Shaw (formerly OHM) North Plant Aquifer Treatment Facility, Camp Lejeune, North Carolina.
- From May 25, 1999 to June 12, 1999 approximately 500 gallons of groundwater accumulated during soil vapor extraction system operation was transported by J.A. Jones and treated at the Groundwater Treatment System, former Rifle Range RR-72.
- From June 12, 1999 to November 7, 2002 approximately 2,858 gallons of groundwater recovered during AFVR events, groundwater accumulated during soil vapor extraction system operation, and condensate water were transported by J. A. Jones and treated at the Shaw North Plant Aquifer Treatment Facility.

The transportation and disposal log, presented as **Table 2-1**, provides the complete history of the waste material accumulated during construction activities and derived during treatment system operation including the transporter, waste treatment destination, date of shipment, volume and/or weight.

SECTION 3.0
ANALYTICAL SUMMARY

3.1 GROUNDWATER SAMPLING

Groundwater monitoring well and soil vapor extraction effluent samples were collected monthly during the first quarter of operation of the treatment system and collected quarterly thereafter. Groundwater samples were delivered by overnight carrier to Paradigm, and analyzed for volatile aromatic hydrocarbons using USEPA Method 602 and USEPA Method 625 (reporting the Method 610 analyte list). The groundwater monitoring well sampling events were completed on March 27, 1998, May 15, 1998, June 24, 1998, July 23, 1998, October 23, 1998, January 21, 1999, February 16, 1999, April 19, 1999, May 07, 1999, July 14, 1999, October 20, 1999, January 12, 2000, April 25, 2000, July 26, 2000, October 18, 2000, January 4, 2001, April 17, 2001, July 16, 2001, October 15, 2001, January 15, 2002, April 15, 2002, and January 14, 2003.

Volatile aromatic and polynuclear aromatic hydrocarbon constituents were not detected above NCDENR groundwater quality standards in samples collected from monitoring wells MW-3 through MW-8, MW-12, and MW-14 through MW-18, during the quarterly sampling events conducted from March 1998 through January 2003 or in monitoring wells MW-2 and MW-10 during the sampling events conducted from June 1998 through January 2003.

The following paragraphs provide a history of analytical results above NCDENR groundwater quality standards from each well:

MW-1: The volatile aromatic hydrocarbon benzene was detected at 6 µg/L during groundwater samples collected on October 21, 1998. The detected benzene concentration exceeds the NCDENR groundwater quality standard of 1 µg/L. Since that sampling event, no other analytical results have been detected above laboratory quantitation limits.

MW-2: The volatile aromatic hydrocarbons benzene, ethylbenzene, and total xylenes were detected above the NCDENR groundwater quality standard in both groundwater samples collected from monitoring well MW-2 during the March 27, 1998 and May 15, 1998 sampling events. The detected benzene concentration of 23 µg/L in the May 15, 1998 sample was above the NCDENR groundwater quality standard of 1 µg/L. The detected ethylbenzene concentrations of 240 µg/L and 320 µg/L were above the NCDENR groundwater quality standard of 29 µg/L during the March 27, 1998 and May 15, 1998 sampling events. Also, during the March 27, 1998 and May 15, 1998 sampling events, detected concentrations of total xylenes, 1,020 µg/L and 1,100 µg/L, were above their NCDENR groundwater quality standard of 530 µg/L. Since the May 15, 1998 sampling event, no other analytical results have been detected above laboratory quantitation limits.

MW-9: The volatile aromatic hydrocarbons benzene and ethylbenzene were detected above the NCDENR groundwater quality standard of 1 µg/L and 29 µg/L respectively. Benzene was recorded as high as 180 µg/L during the April 17, 2001 sampling event while ethylbenzene concentrations have been recorded as high as 86 µg/L during the February 16, 1999 sampling event. Since then, concentrations of ethylbenzene have decreased to below regulatory limits. Analytical results from the last sample event, performed on January 14, 2003 showed a concentration of 69 µg/L for benzene and 43 µg/L for ethylbenzene.

The following PAHs have been detected above their respective NCDENR groundwater quality standard limits in groundwater samples collected from monitoring well MW-9.

- Naphthalene was detected as high as 860 µg/L and 1,500 µg/L in the last two sampling events on October 23, 2002 and January 14, 2003.
- The highest phenanthrene concentration detected in MW-9 was 11,000 µg/L during the February 16, 1999 sample event. The NCDENR groundwater quality standard for phenanthrene is 210 µg/L. According to results from the last two sampling events phenanthrene concentrations in MW-9 still exceed regulatory standards (850 µg/L and 1,300 µg/L).
- Anthracene was detected at a concentration of 11,000 µg/L during the February 16, 1999 sampling event. This is above the NCDENR groundwater quality standard of 2,100 µg/L. Since that time the concentration has not exceeded the groundwater quality standard.
- 1-methylnaphthalene was detected as high as 17,000 µg/L during the February 16, 1999 sampling event. This is above the NCDENR groundwater quality standard of the laboratory quantitation limit. Concentrations have decreased significantly but continue to exceed the groundwater quality standards.
- 2-methylnaphthalene was detected as high as 90,000 µg/L during the February 16, 1999 sampling event. This is above the NCDENR groundwater quality standard of 28 µg/L. Concentrations have decreased significantly but continue to exceed the groundwater quality standards.

LNAPL was identified in this well from June 1998 through December 1998 at a thickness ranging from 0.02 feet to0.38 feet. Product was not observed in the well again until January 15, 2002 when 2.9 feet of LNAPL was measured in the well. Since that time, LNAPL was consistently observed in the well at a thickness ranging from 0.15 feet to 2.5 feet.

MW-10: The volatile aromatic hydrocarbon benzene was detected at a concentration of 230 µg/L in the groundwater sample collected during the March 27, 1998 sampling event. Benzene has not exceeded the groundwater quality standard of 1 µg/L since that time.

During the initial sampling event on March 27, 1998 the PAH constituents naphthalene (26 µg/L) and 1-methylnaphthalene (12 µg/L) exceeded their respective groundwater quality

standard. Since then, all PAH constituents have consistently been below laboratory quantitation limits.

MW-11: The volatile aromatic hydrocarbon benzene has consistently exceeded the NCDENR groundwater quality standard of 1 µg/L at monitoring well MW-11 with the exception of two sample events. Concentrations have been detected as high as 250 µg/L. During the last sample event on January 14, 2003 benzene was detected at a concentration of 2 µg/L.

MW-13: The volatile aromatic hydrocarbons benzene, ethylbenzene, toluene, and total xylenes were detected above the NCDENR groundwater quality standards.

- Benzene was detected as high as 1,700 µg/L during the March 27, 1998 sampling event. This is above the NCDENR groundwater quality standard of 1 µg/L. During the last two sample events on October 23, 2002 and January 14, 2003 benzene concentrations were not detected above laboratory quantitation limits.
- Ethylbenzene was detected as high as 550 µg/L during the October 18, 2000 sampling event. This is above the NCDENR groundwater quality standard of 29 µg/L. Ethylbenzene concentrations have not exceeded the groundwater quality standard since the January 2001 sampling event.
- Toluene was detected above the NCDENR groundwater quality standard of 1,000 µg/L during only one sampling event (June 24, 1998, 1,300 µg/L).
- Total xylenes exceeded the groundwater quality standard in three sampling events (March 27, 1998, 580 µg/L; June 24, 1998, 2,020 µg/L; and October 18, 2000, 1,280 µg/L) The groundwater quality standard for total xylenes is 530 µg/L. Total xylenes concentrations have not exceeded groundwater quality standards since the October 2000 sampling event.

The PAHs naphthalene, 1-methylnaphthalene and 2-methylnaphthalene were also detected above the groundwater quality standard in groundwater samples from this well.

- Naphthalene concentrations exceeded the groundwater quality standard of 21 µg/L during the March 27, 1998 (47 µg/L), June 24, 1998 (64 µg/L), April 19, 1999 (36 µg/L), and October 18, 2000 (90 µg/L) sampling events. Naphthalene concentrations have not exceeded groundwater quality standards since the October 2000 sampling event.
- 1-methylnaphthalene concentrations exceeded the groundwater quality standard of the laboratory quantitation limit during the April 19, 1999 (22 µg/L) and October 18, 2000 (14 µg/L) sampling events. 1-methylnaphthalene concentrations have not exceeded groundwater quality standards since the October 2000 sampling event.
- Only one sample collected on April 19, 1999 detected 2-methylnaphthalene (32 µg/L) at a concentration above the groundwater quality standard of 28 µg/L.

Table 3-1 presents a summary of detected contaminant concentrations in the groundwater samples collected from the on-site groundwater monitoring wells. **Appendix A** provides the laboratory analytical reports from the groundwater monitoring well sampling events.

Dissolved contaminant plume isopleth maps illustrating the areal extent of the volatile aromatic hydrocarbon benzene, ethylbenzene, total xylenes, and naphthalene detected above the NCDENR groundwater quality standards are presented in **Figures 3-1** through **3-6**.

3.2 AIR SAMPLING

The air quality effluent samples, collected on a monthly basis for the first quarter after start-up and quarterly thereafter from the soil vapor extraction system, were delivered by overnight carrier to Paradigm and analyzed for volatile aromatic hydrocarbons using USEPA Method 18.

Only one sample from the soil vapor extraction system effluent contained contaminant concentrations above the laboratory quantitation limits. The SVE sample taken April 22, 1998 had a total xylene concentration of 17.9 milligrams per cubic meter (mg/m^3). Since then, there have been no contaminants detected in the SVE system effluent.

Table 3-2 presents a summary of the detected contaminant concentrations in the air quality samples collected from the air sparge/soil vapor extraction system. **Appendix B** provides the laboratory analytical reports from the air sampling events.

SECTION 4.0

CONCLUSIONS AND RECOMMENDATIONS

From April 1998 through January 2003, J.A. Jones implemented the selected remedial approach at the Building AS-4158 site as outlined in the September 11, 1995 CAP, prepared by Catlin. The selected remedial approach consisted of the installation and operation of an air sparging and soil vapor extraction remediation treatment system. The remedial system was designed to volatilize dissolved hydrocarbons present in the groundwater and collect hydrocarbon vapors generated during air sparging. In addition, groundwater monitoring was completed to track petroleum-impacted groundwater migration to verify remediation progress.

According to the groundwater elevation data collected by J.A. Jones, the direction of groundwater flow is thought to be predominantly southwest at the location of the releases.

J.A. Jones completed installation and began operation of the Building AS-4158 treatment system on April 4, 1998. Groundwater samples were collected from on-site monitoring wells monthly for the first quarter of system operation and quarterly thereafter. Samples were analyzed for volatile aromatic hydrocarbons and PAHs by USEPA Methods 602 and 610, respectively. On December 1999, the system was shut down after noting that concentrations had been consistently low, but by February 2001 the system was restarted due to an increase in contaminant concentrations in monitoring wells MW-9, MW-11, and MW-13.

Analytical results from groundwater samples collected from monitoring wells MW-9 (former product recovery well), MW-11, and MW-13, indicated a presence of dissolved petroleum hydrocarbon concentrations above the NCDENR groundwater quality standards.

- Groundwater samples collected from monitoring wells MW-1, MW-2, MW-3, MW-4, MW-10, MW-15, and MW-17, indicated very low concentrations of dissolved petroleum hydrocarbon constituents, with no concentrations above the NCDENR groundwater quality standards since October 21, 1998.
- Monitoring wells MW-5, MW-7, MW-8, MW-14, and MW-18, had no detected concentrations of dissolved petroleum hydrocarbon constituents above the laboratory quantitation limits during the groundwater sampling events conducted since April 1998.

During the most recent quarterly groundwater sampling event on January 14, 2003, the interpreted extent of the dissolved volatile aromatic hydrocarbon contamination, above the 15A NCAC 2L groundwater quality standards, encompassed MW-9 and MW-11, which are located approximately 75 and 110 feet north of the site of the old USTs. Overall the VOC contamination has decreased significantly since implementation of the air sparge/soil vapor

extraction system in April of 1998. The only dissolved PAH contaminants above the NCDENR regulatory limits in the vicinity of AS-4158 were detected in MW-9 and MW-11 during January 2003.

The overall reduction in contaminant concentrations within the dissolved petroleum contaminant plume indicates that the air sparge/soil vapor extraction treatment system has been effective in volatilizing and removing the petroleum hydrocarbons present in the groundwater at the Building AS-4158 site.

During the January 2002 quarterly sampling event, LNAPL was discovered in MW-9 at a thickness of 2.9 feet. This was the first time LNAPL was detected in this well since October 1998. Tightness testing in April 2002 on transfer piping located adjacent to MW-9confirmed a leak in the underground transfer lines. The transfer lines were repaired in November 2002. Approximately 67 gallons of product was removed from MW-9 in the period from January to December 2002 via hand bailing, and 5 gallons of LNAPL was removed via vacuum truck.

Catlin has been contracted to complete a remediation optimization survey at the site in 2004. Shaw recommends the continued removal of LNAPL from MW-9 until it is not detected during four consecutive quarterly sampling events. Until the optimization survey is completed, the treatment system should remain in operation with continued quarterly sampling at monitoring wells MW-11 and MW-13 only until dissolved petroleum related constituent concentrations consistently meet the site rehabilitation concentrations established by the 15A NCAC 2L groundwater quality standards for four consecutive quarterly sampling events. Monitoring well MW-9 should be added to this list once the LNAPL is removed.

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	1/14/2003			11/20/2002			10/22/2002			9/11/2002		
		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)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1			Not Measured			Not Measured			5.55			Not Measured	
MW-2	15.51		Not Measured			Not Measured			6.18	9.33		Dry	
MW-3	17.70		9.69	8.01		7.24	10.46		9.90	7.80		8.57	9.13
MW-4	22.19		9.96	12.23		10.50	11.69		10.29	11.90		9.63	12.56
MW-5	22.10		10.00	12.10		10.72	11.38		10.39	11.71		9.20	12.90
MW-6	15.55		10.10	5.45		9.66	5.89		10.59	4.96		9.65	5.90
MW-7	22.11		10.49	11.62		11.77	10.34		10.65	11.46		9.28	12.83
MW-8	16.27		10.97	5.30		11.31	4.96		11.09	5.18		10.38	5.89
MW-9 (Prod. Recovery Well)	23.14	10.46	12.83	10.31	11.36	12.57	10.57	11.67	12.70	10.44	9.77	9.92	13.22
MW-10	15.73		11.63	4.10		14.14	1.59		12.00	3.73		9.99	5.74
MW-11	23.84		11.92	11.92		12.75	11.09		12.20	11.64		11.06	12.78
MW-12	22.03		Not Measured			Not Measured			Not Measured			Not Measured	
MW-13	24.12		12.38	11.74		14.35	9.77		12.59	11.53		10.99	13.13
MW-14	15.73		10.65	5.08		10.80	4.93		10.68	5.05		10.44	5.29
MW-15	23.99		11.94	12.05		11.74	12.25		11.76	12.23		11.14	12.85
MW-16	22.19		10.73	11.46		11.87	10.32		10.99	11.20		9.95	12.24
MW-17	23.05		11.60	11.45		12.38	10.67		11.80	11.25		10.88	12.17
MW-18	23.88		12.41	11.47		13.32	10.56		12.61	11.27		11.75	12.13
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measured. The product-water interface probe was being repaired.

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	8/20/2002			7/15/2002			5/13/2002			4/15/2002		
		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)	Depth to Hydrocarbon Product (ft. below toc)	Depth to Groundwater (ft. below toc)	Groundwater Elevation (ft., msl)
MW-1			Not Measured			Not Measured			9.46			Not Measured	
MW-2	15.51		Dry			Dry			Dry			Dry	
MW-3	17.70		9.70	8.00		7.70	10.00		9.90	7.80		9.86	7.84
MW-4	22.19		10.35	11.84		11.03	11.16		10.54	11.65		10.37	11.82
MW-5	22.10		10.28	11.82		10.28	11.82		10.40	11.70		10.23	11.87
MW-6	15.55		10.80	4.75		11.16	4.39		10.68	4.87		10.57	4.98
MW-7	22.11		10.41	11.70		11.01	11.10		10.60	11.51		10.60	11.51
MW-8	16.27		11.20	5.07		11.60	4.67		11.22	5.05		11.11	5.16
MW-9 (Prod. Recovery Well)	23.14	11.77	12.85	10.29	11.77	12.46		*	12.20		10.88	11.68	11.46
MW-10	15.73		10.90	4.83		12.25			11.74			11.83	3.90
MW-11	23.84		11.96	11.88		12.80	11.04		12.15	11.69		12.12	11.72
MW-12	22.03		Not Measured			Not Measured			Not Measured			Not Measured	
MW-13	24.12		10.85	13.27		13.01			12.41			12.45	11.67
MW-14	15.73		10.12	5.61		10.97	4.76		10.75	4.98		10.70	5.03
MW-15	23.99		10.61	13.38		12.60	11.39		12.01	11.98		11.86	12.13
MW-16	22.19		11.20	10.99		11.83	10.36		10.92	11.27		10.81	11.38
MW-17	23.05		1.65	21.40		12.23	10.82		11.81	11.24		11.72	11.33
MW-18	23.88		12.70	11.18		12.96	10.92		12.60	11.28		12.50	11.38
PW-1	22.80		Not Measured			Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	3/19/2002			2/12/2002		
		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)
MW-1			Not Measured			Not Measured	
MW-2	15.51		Dry			Dry	
MW-3	17.70		6.92	10.78		9.30	8.40
MW-4	22.19		10.21	11.98		9.82	12.37
MW-5	22.10		9.83	12.27		10.84	11.26
MW-6	15.55		10.01	5.54		9.82	5.73
MW-7	22.11		10.43	11.68		10.93	11.18
MW-8	16.27		11.05	5.22		11.60	4.67
MW-9 (Prod. Recovery Well)	23.14	11.59	13.12	10.02	11.49	13.99	9.15
MW-10	15.73		11.69			11.40	4.33
MW-11	23.84		12.12	11.72		13.44	10.40
MW-12	22.03		Not Measured			Not Measured	
MW-13	24.12		12.45	11.67		Dry	
MW-14	15.73		10.71	5.02		11.01	4.72
MW-15	23.99		11.78	12.21		13.49	10.50
MW-16	22.19		10.76	11.43		12.10	10.09
MW-17	23.05		11.58	11.47		12.67	10.38
MW-18	23.88		12.34	11.54		13.15	10.73
PW-1	22.80		Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	1/15/2002			12/17/2001			11/5/2001		
		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)
MW-1			Not Measured			8.53			9.38	
MW-2	15.51		Dry			Dry			Dry	
MW-3	17.70		7.95	9.75		9.50	8.20		9.78	7.92
MW-4	22.19		10.96	11.23		9.58	12.61		10.11	12.08
MW-5	22.10		10.88	11.22		9.90	12.20		10.29	11.81
MW-6	15.55		11.16	4.39		9.95	5.60		10.32	5.23
MW-7	22.11		11.80	10.31		9.48	12.63		10.88	11.23
MW-8	16.27		12.40	3.87		11.03	5.24		10.85	5.42
MW-9 (Prod. Recovery Well)	23.14	12.28	15.18	7.96		10.10	13.04		10.20	12.94
MW-10	15.73		Not Measured			9.90	5.83		Not Measured	
MW-11	23.84		13.69	10.15		11.83	12.01		11.83	12.01
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	24.12		15.45	8.67		13.35	10.77		11.88	12.24
MW-14	15.73		10.70	5.03		9.95	5.78		9.48	6.25
MW-15	23.99		14.20	9.79		10.55	13.44		10.15	13.84
MW-16	22.19		11.63	10.56		10.89	11.30		10.89	11.30
MW-17	23.05		12.50	10.55		11.57	11.48		11.78	11.27
MW-18	23.88		13.64	10.24		12.50	11.38		12.69	11.19
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	10/15/2001			9/24/2001			7/16/2001		
		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)
MW-1			9.17			9.20			8.50	
MW-2	15.51		Dry			Not Measured			Not Measured	
MW-3	17.70		9.48	8.22		9.25	8.45		8.68	9.02
MW-4	22.19		9.79	12.40		9.48	12.71		8.98	13.21
MW-5	22.10		9.98	12.12		9.99	12.11		9.50	12.60
MW-6	15.55		10.07	5.48		9.65	5.90		9.22	6.33
MW-7	22.11		Not Measured			Not Measured			10.94	11.17
MW-8	16.27		10.28	5.99		10.82	5.45		10.20	6.07
MW-9 (Prod. Recovery Well)	23.14		10.35	12.79		12.16	10.98		10.63	12.51
MW-10	15.73		11.45	4.28		13.85	1.88		13.18	2.55
MW-11	23.84		11.81	12.03		13.40	10.44		12.76	11.08
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	24.12		12.17	11.95		16.17	7.95		16.33	7.79
MW-14	15.73		10.01	5.72		10.28	5.45		9.87	5.86
MW-15	23.99		10.63	13.36		11.29	12.70		10.35	13.64
MW-16	22.19		10.65	11.54		10.78	11.41		10.46	11.73
MW-17	23.05		11.61	11.44		11.45	11.60		11.57	11.48
MW-18	23.88		12.33	11.55		12.71	11.17		12.41	11.47
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	5/14/2001			4/17/2001			3/16/2001		
		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)
MW-1			6.30			7.83			Not Measured	
MW-2	15.51		8.30	7.21		8.43	7.08		7.06	8.45
MW-3	17.70		7.80	9.90		7.85	9.85		6.54	11.16
MW-4	22.19		8.90	13.29		8.40	13.79		8.18	14.01
MW-5	22.10		9.10	13.00		8.60	13.50		6.75	15.35
MW-6	15.55		8.98	6.57		8.70	6.85		7.80	7.75
MW-7	22.11		9.59	12.52		9.00	13.11		8.82	13.29
MW-8	16.27		10.27	6.00		9.23	7.04		9.31	6.96
MW-9 (Prod. Recovery Well)	23.14		10.23	12.91		9.28	13.86		9.45	13.69
MW-10	15.73		12.91	2.82		9.80	5.93		10.26	5.47
MW-11	23.84		12.70	11.14		10.70	13.14		10.75	13.09
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	24.12		15.83	8.29		11.14	12.98		11.22	12.90
MW-14	15.73		9.90	5.83		9.50	6.23		9.68	6.05
MW-15	23.99		10.55	13.44		10.14	13.85		10.30	13.69
MW-16	22.19		10.17	12.02		9.12	13.07		9.13	13.06
MW-17	23.05		11.36	11.69		10.33	12.72		10.20	12.85
MW-18	23.88		12.30	11.58		11.31	12.57		11.19	12.69
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	2/15/2001			2/14/2001			2/13/2001		
		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)
MW-1			Not Measured			Not Measured			Not Measured	
MW-2	15.51		7.10	8.41		5.59	9.92		5.72	9.79
MW-3	17.70		6.80	10.90		5.46	12.24		6.05	11.65
MW-4	22.19		8.16	14.03		7.79	14.40		7.84	14.35
MW-5	22.10		7.82	14.28		6.86	15.24		6.30	15.80
MW-6	15.55		8.06	7.49		7.81	7.74		8.50	7.05
MW-7	22.11		7.31	14.80		6.65	15.46		4.85	17.26
MW-8	16.27		9.00	7.27		8.54	7.73		8.81	7.46
MW-9 (Prod. Recovery Well)	23.14		8.74	14.40		8.35	14.79		7.68	15.46
MW-10	15.73		6.31	9.42		5.45	10.28		3.50	12.23
MW-11	23.84		8.80	15.04		8.10	15.74		9.95	13.89
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	24.12		7.86	16.26		7.65	16.47		7.53	16.59
MW-14	15.73		8.77	6.96		8.79	6.94		8.94	6.79
MW-15	23.99		9.65	14.34		9.65	14.34		9.70	14.29
MW-16	22.19		8.91	13.28		7.78	14.41		4.04	18.15
MW-17	23.05		9.77	13.28		8.79	14.26		5.68	17.37
MW-18	23.88		10.62	13.26		9.62	14.26		7.86	16.02
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	1/4/2001			12/14/00[3]			12/14/00[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)
MW-1			Not Measured			Not Measured			Not Measured	
MW-2	15.51		Not Measured			7.35	8.16		5.73	9.78
MW-3	17.70		8.04	9.66		7.10	10.60		6.07	11.63
MW-4	22.19		8.70	13.49		8.27	13.92		8.38	13.81
MW-5	22.10		8.71	13.39		8.04	14.06		8.02	14.08
MW-6	15.55		8.98	6.57		8.27	7.28		8.28	7.27
MW-7	22.11		9.20	12.91		8.81	13.30		9.87	12.24
MW-8	16.27		9.30	6.97		9.05	7.22		9.12	7.15
MW-9 (Prod. Recovery Well)	23.14		9.48	13.66		14.18	8.96		9.36	13.78
MW-10	15.73		10.45	5.28		9.82	5.91		9.74	5.99
MW-11	23.84		10.71	13.13		10.72	13.12		10.56	13.28
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	24.12		11.13	12.99		Dry			10.95	13.17
MW-14	15.73		9.60	6.13		9.72	6.01		9.60	6.13
MW-15	23.99		10.39	13.60		10.23	13.76		10.26	13.73
MW-16	22.19		9.35	12.84		9.47	12.72		8.54	13.65
MW-17	23.05		10.56	12.49		10.14	12.91		10.22	12.83
MW-18	23.88		11.45	12.43		11.04	12.84		11.08	12.80
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	10/18/00[1]			7/26/00[1]			4/25/00[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)
MW-1			7.56			Not Measured			Not Measured	
MW-2	15.51		7.99	7.52		5.70	9.81		6.97	8.54
MW-3	17.70		7.51	10.19		5.12	12.58		7.56	10.14
MW-4	22.19		8.10	14.09		5.75	16.44		8.10	14.09
MW-5	22.10		8.25	13.85		6.75	15.35		8.25	13.85
MW-6	15.55		8.72	6.83		7.06	8.49		8.17	7.38
MW-7	22.11		8.68	13.43		8.56	13.55		8.14	13.97
MW-8	16.27		8.34	7.93		9.83	6.44		8.93	7.34
MW-9 (Prod. Recovery Well)	23.14		8.97	14.17		9.55	13.59		9.28	13.86
MW-10	15.73		9.23	6.50		10.27	5.46		9.75	5.98
MW-11	23.84		10.18	13.66		10.89	12.95		10.08	13.76
MW-12	22.03		Not Measured			Not Measured			Not Measured	
MW-13	24.12		10.62	13.50		11.42	12.70		10.47	13.65
MW-14	15.73		9.02	6.71		9.50	6.23		9.16	6.57
MW-15	23.99		9.41	14.58		10.10	13.89		9.70	14.29
MW-16	22.19		8.87	13.32		8.93	13.26		8.80	13.39
MW-17	23.05		10.08	12.97		10.23	12.82		9.94	13.11
MW-18	23.88		10.96	12.92		11.10	12.78		10.72	13.16
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	1/12/00[1]			12/20/1999			11/22/1999		
		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)
MW-1			7.46			Not Measured			Not Measured	
MW-2	15.51		Not Measured			Not Measured			5.92	9.59
MW-3	17.70		8.31	9.39		8.13	9.57		6.50	11.20
MW-4	22.19		8.36	13.83		7.53	14.66		6.84	15.35
MW-5	22.10		Not Measured			Not Measured			7.37	14.73
MW-6	15.55		9.29	6.26		8.50	7.05		7.56	7.99
MW-7	22.11		9.28	12.83		Not Measured			4.76	17.35
MW-8	16.27		9.63	6.64		8.82	7.45		7.45	8.82
MW-9 (Prod. Recovery Well)	23.14		11.01	12.13		Not Measured			9.91	13.23
MW-10	15.73		10.51	5.22		Not Measured			4.82	10.91
MW-11	23.84		10.83	13.01		10.41	13.43		9.23	14.61
MW-12	22.03		Not Measured			6.43	15.60		7.19	14.84
MW-13	24.12		11.38	12.74		11.12	13.00		9.35	14.77
MW-14	15.73		9.20	6.53		8.93	6.80		7.64	8.09
MW-15	23.99		9.66	14.33		9.51	14.48		8.30	15.69
MW-16	22.19		9.38	12.81		10.16	12.03		8.30	13.89
MW-17	23.05		10.51	12.54		10.61	12.44		9.62	13.43
MW-18	23.88		11.45	12.43		10.44	13.44		10.68	13.20
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	10/20/99[1]			9/23/1999			8/19/1999		
		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)
MW-1			Not Measured			Not Measured			Not Measured	
MW-2	15.51		Not Measured			5.56	9.95		5.66	9.85
MW-3	17.70		5.29	12.41		Not Measured			6.14	11.56
MW-4	22.19		5.53	16.66		4.46	17.73		6.40	15.79
MW-5	22.10		6.34	15.76		5.96	16.14		7.91	14.19
MW-6	15.55		5.50	10.05		4.43	11.12		9.63	5.92
MW-7	22.11		7.04	15.07		6.26	15.85		6.00	16.11
MW-8	16.27		7.23	9.04		6.65	9.62		8.64	7.63
MW-9 (Prod. Recovery Well)	23.14		10.66	12.48		6.54	16.60		8.56	14.58
MW-10	15.73		8.61	7.12		10.75	4.98		3.65	12.08
MW-11	23.84		9.07	14.77		8.29	15.55		7.91	15.93
MW-12	22.03		9.21	12.82		7.15	14.88		8.22	13.81
MW-13	24.12		9.72	14.40		7.69	16.43		5.30	18.82
MW-14	15.73		8.98	6.75		7.82	7.91		9.40	6.33
MW-15	23.99		9.35	14.64		9.32	14.67		9.58	14.41
MW-16	22.19		10.63	11.56		6.57	15.62		7.00	15.19
MW-17	23.05		7.99	15.06		7.63	15.42		7.90	15.15
MW-18	23.88		8.67	15.21		8.64	15.24		9.24	14.64
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1]System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	7/14/99[1]			5/24/99[3]			5/24/99[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)
MW-1			Not Measured			6.65			9.03	
MW-2	15.51		Not Measured			Not Measured			Not Measured	
MW-3	17.70		9.54	8.16		7.82	9.88		9.34	8.36
MW-4	22.19		9.22	12.97		8.82	13.37		8.85	13.34
MW-5	22.10		10.63	11.47		8.06	14.04		9.89	12.21
MW-6	15.55		9.39	6.16		9.27	6.28		9.29	6.26
MW-7	22.11		11.91	10.20		10.25	11.86		10.25	11.86
MW-8	16.27		11.12	5.15		10.75	5.52		10.72	5.55
MW-9 (Prod. Recovery Well)	23.14		12.63	10.51		11.85	11.29		10.72	12.42
MW-10	15.73		15.36	0.37		13.26	2.47		14.48	1.25
MW-11	23.84		14.18	9.66		14.09	9.75		14.12	9.72
MW-12	22.03		10.38	11.65		6.70	15.33		9.54	12.49
MW-13	24.12		16.40	7.72		16.22	7.90		16.18	7.94
MW-14	15.73		9.60	6.13		9.01	6.72		9.47	6.26
MW-15	23.99		9.80	14.19		9.51	14.48		9.49	14.50
MW-16	22.19		Not Measured			6.81	15.38		10.76	11.43
MW-17	23.05		12.94	10.11		8.46	14.59		11.94	11.11
MW-18	23.88		13.61	10.27		11.71	12.17		12.78	11.10
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	5/10/99[3]			5/10/99[2]			4/22/99[3]		
		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)
MW-1			5.49			9.47			11.97	
MW-2	15.51		7.52	7.99		Not Measured			Not Measured	
MW-3	17.70		6.94	10.76		9.82	7.88		11.33	6.37
MW-4	22.19		7.96	14.23		9.20	12.99		8.81	13.38
MW-5	22.10		7.09	15.01		10.52	11.58		11.32	10.78
MW-6	15.55		8.90	6.65		8.99	6.56		8.96	6.59
MW-7	22.11		6.38	15.73		12.42	9.69		13.66	8.45
MW-8	16.27		10.27	6.00		10.62	5.65		12.74	3.53
MW-9 (Prod. Recovery Well)	23.14		12.62	10.52		10.94	12.20		14.24	8.90
MW-10	15.73		8.15	7.58		15.13	0.60		14.83	0.90
MW-11	23.84		11.98	11.86		13.81	10.03		12.06	11.78
MW-12	22.03		6.48	15.55		9.72	12.31		11.46	10.57
MW-13	24.12		11.45	12.67		15.64	8.48		13.26	10.86
MW-14	15.73		8.46	7.27		9.42	6.31		9.32	6.41
MW-15	23.99		9.31	14.68		9.49	14.50		9.46	14.53
MW-16	22.19		6.03	16.16		10.72	11.47		13.58	8.61
MW-17	23.05		7.62	15.43		10.81	12.24		14.21	8.84
MW-18	23.88		10.23	13.65		12.94	10.94		14.24	9.64
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	4/22/99[2]			4/8/99[3]			4/8/99[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)
MW-1			12.03			4.92			4.19	
MW-2	15.51		Not Measured			6.99	8.52		7.08	8.43
MW-3	17.70		11.35	6.35		6.84	10.86		6.82	10.88
MW-4	22.19		9.56	12.63		6.59	15.60	Trace	6.60	15.59
MW-5	22.10		11.49	10.61		6.19	15.91		6.10	16.00
MW-6	15.55		8.94	6.61		7.81	7.74		7.89	7.66
MW-7	22.11		13.67	8.44		5.32	16.79		5.00	17.11
MW-8	16.27		10.74	5.53		8.36	7.91		8.32	7.95
MW-9 (Prod. Recovery Well)	23.14		11.26	11.88		10.29	12.85		7.95	15.19
MW-10	15.73		14.84	0.89		4.51	11.22		4.33	11.40
MW-11	23.84		12.96	10.88		7.62	16.22		7.58	16.26
MW-12	22.03		11.62	10.41		7.17	14.86		7.00	15.03
MW-13	24.12		13.00	11.12		6.29	17.83		6.19	17.93
MW-14	15.73		9.33	6.40		8.44	7.29		8.39	7.34
MW-15	23.99		9.43	14.56		9.21	14.78		9.16	14.83
MW-16	22.19		13.71	8.48		5.99	16.20		5.70	16.49
MW-17	23.05		14.33	8.72		6.94	16.11		6.64	16.41
MW-18	23.88		14.31	9.57		8.28	15.60		8.06	15.82
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	3/8/99[1]			2/5/99[1]			1/25/99[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)
MW-1			Not Measured			Not Measured			Not Measured	
MW-2	15.51		Well Dry			8.52	6.99		7.95	7.56
MW-3	17.70		8.82	8.88		9.12	8.58		4.96	12.74
MW-4	22.19		8.68	13.51		8.40	13.79		6.30	15.89
MW-5	22.10		9.45	12.65		9.55	12.55		9.14	12.96
MW-6	15.55		8.61	6.94		8.70	6.85		7.60	7.95
MW-7	22.11		9.83	12.28		11.62	10.49		4.52	17.59
MW-8	16.27		9.18	7.09		10.65	5.62		10.20	6.07
MW-9 (Prod. Recovery Well)	23.14		9.81	13.33		11.35	11.79		10.16	12.98
MW-10	15.73		11.04	4.69		15.20	0.53		11.76	3.97
MW-11	23.84		11.60	12.24		15.98	7.86		12.65	11.19
MW-12	22.03		8.79	13.24		9.50	12.53		9.33	12.70
MW-13	24.12		12.27	11.85		16.20	7.92		16.12	8.00
MW-14	15.73		9.44	6.29		9.58	6.15		9.52	6.21
MW-15	23.99		9.86	14.13		9.78	14.21		10.00	13.99
MW-16	22.19		10.00	12.19		10.92	11.27		9.90	12.29
MW-17	23.05		9.65	13.40		12.20	10.85		10.84	12.21
MW-18	23.88		12.41	11.47		12.92	10.96		11.95	11.93
PW-1	22.80		Not Measured			Not Measured			9.05	13.75

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	12/10/1998			11/16/1998			10/20/1998		
		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)
MW-1			Not Measured			6.91			8.20	
MW-2	15.51		8.20	7.31		7.87	7.64		8.51	7.00
MW-3	17.70		7.12	10.58		7.41	10.29		8.09	9.61
MW-4	22.19		7.69	14.50		7.58	14.61		7.89	14.30
MW-5	22.10		7.25	14.85		8.61	13.49		8.76	13.34
MW-6	15.55		9.21	6.34		8.55	7.00		8.89	6.66
MW-7	22.11		6.17	15.94		7.73	14.38		9.38	12.73
MW-8	16.27		9.81	6.46		8.57	7.70		9.30	6.97
MW-9 (Prod. Recovery Well)	23.14	8.78	8.80	14.34		8.78	14.36	9.23	9.32	13.91
MW-10	15.73		6.35	9.38		4.55	11.18		10.86	4.87
MW-11	23.84		11.12	12.72		8.39	15.45		12.42	11.42
MW-12	22.03		Not Measured			8.91	13.12		8.31	13.72
MW-13	24.12		6.44	17.68		7.50	16.62		16.21	7.91
MW-14	15.73		8.51	7.22		8.41	7.32		8.74	6.99
MW-15	23.99		9.19	14.80		9.09	14.90		9.31	14.68
MW-16	22.19		7.33	14.86		8.48	13.71		9.42	12.77
MW-17	23.05		8.27	14.78		9.41	13.64		10.68	12.37
MW-18	23.88		10.75	13.13		10.59	13.29		11.58	12.30
PW-1	22.80		Not Measured			7.59	15.21		9.06	13.74

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	9/3/1998			8/13/1998			7/31/1998		
		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)
MW-I			Not Measured			Not Measured			4.30	
MW-2	15.51		7.43	8.08		7.70	7.81		5.95	9.56
MW-3	17.70		7.00	10.70		7.45	10.25		5.29	12.41
MW-4	22.19		7.79	14.40		8.17	14.02		5.99	16.20
MW-5	22.10		6.89	15.21		7.25	14.85		10.55	11.55
MW-6	15.55		8.29	7.26		8.69	6.86		6.39	9.16
MW-7	22.11		6.98	15.13		7.35	14.76		7.30	14.81
MW-8	16.27		9.29	6.98		9.65	6.62		7.15	9.12
MW-9 (Prod. Recovery Well)	23.14	9.13	9.15	14.01	9.55	9.59	13.59	7.03	7.12	16.11
MW-10	15.73		9.99	5.74		10.31	5.42		Not Measured	
MW-11	23.84		13.09	10.75		13.54	10.30		7.75	16.09
MW-12	22.03		5.39	16.64		5.75	16.28		6.22	15.81
MW-13	24.12		15.39	8.73		15.53	8.59		6.84	17.28
MW-14	15.73		7.69	8.04		8.04	7.69		7.25	8.48
MW-15	23.99		8.71	15.28		9.03	14.96		8.01	15.98
MW-16	22.19		6.91	15.28		7.30	14.89		6.35	15.84
MW-17	23.05		9.61	13.44		9.90	13.15		8.73	14.32
MW-18	23.88		11.43	12.45		11.83	12.05		10.01	13.87
PW-1	22.80		Not Measured			Not Measured			Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	7/23/1998			7/7/1998			6/24/1998		
		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)
MW-1			8.63			3.94			Not Measured	
MW-2	15.51		7.91	7.60		6.30	9.21		7.38	8.13
MW-3	17.70		7.97	9.73		5.82	11.88		7.13	10.57
MW-4	22.19		7.84	14.35		5.99	16.20		7.57	14.62
MW-5	22.10		9.45	12.65		Not Measured			8.43	13.67
MW-6	15.55		7.91	7.64		6.68	8.87		8.11	7.44
MW-7	22.11		10.75	11.36		7.05	15.06		8.74	13.37
MW-8	16.27		8.77	7.50		7.82	8.45		8.56	7.71
MW-9 (Prod. Recovery Well)	23.14		9.01	14.13	7.44	7.78	15.70	8.90	9.28	14.24
MW-10	15.73		12.06	3.67		Not Measured			9.54	6.19
MW-11	23.84		10.82	13.02		9.34	14.50		10.30	13.54
MW-12	22.03		9.56	12.47		7.59	14.44		8.01	14.02
MW-13	24.12		10.74	13.38		8.93	15.19		10.56	13.56
MW-14	15.73		8.49	7.24		Not Measured			Not Measured	
MW-15	23.99		8.92	15.07		8.63	15.36		8.93	15.06
MW-16	22.19		10.63	11.56		8.72	13.47		9.12	13.07
MW-17	23.05		11.69	11.36		9.82	13.23		10.27	12.78
MW-18	23.88		12.63	11.25		10.92	12.96		11.35	12.53
PW-1	22.80		Not Measured			7.73	15.07		Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

Table 1-1
Building AS 4158
Camp Lejeune, North Carolina
Water Level Measurement Summary

Sample Point	Top of Casing Elevation (ft., msl)	5/15/1998			4/24/1998		
		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)
MW-1			6.14			4.18	
MW-2	15.51		7.84	7.67		7.55	7.96
MW-3	17.70		6.84	10.86		6.31	11.39
MW-4	22.19		7.07	15.12		7.85	14.34
MW-5	22.10		7.64	14.46		7.14	14.96
MW-6	15.55		7.44	8.11		7.06	8.49
MW-7	22.11		8.17	13.94		7.69	14.42
MW-8	16.27		7.89	8.38		7.78	8.49
MW-9 (Prod. Recovery Well)	23.14		Not Measured			Not Measured	
MW-10	15.73		9.35	6.38		9.48	6.25
MW-11	23.84		11.21	12.63		9.58	14.26
MW-12	22.03		7.41	14.62		7.06	14.97
MW-13	24.12		14.06	10.06		9.27	14.85
MW-14	15.73		8.37	7.36		8.14	7.59
MW-15	23.99		8.82	15.17		8.71	15.28
MW-16	22.19		8.53	13.66		6.75	15.44
MW-17	23.05		9.79	13.26		9.13	13.92
MW-18	23.88		10.91	12.97		10.46	13.42
PW-1	22.80		7.98	14.82		Not Measured	

Notes:
[1] System not operational during water level survey
[2] Groundwater elevation measurements same day prior to AFVR event
[3] Groundwater elevation measurements same day after AFVR event
ft = feet
toc = top of casing elevation
msl = mean sea level
* Indicates that the depth to hydrocarbon product could not be measure

TABLE 2-1 TRANSPORTATION AND DISPOSAL LOG
J.A. JONES ENVIRONMENTAL SERVICES COMPANY
MCAS NEW RIVER, NORTH CAROLINA
PROJECT NUMBER: 005-067d

GALLONS TO DATE	**21,540.50**
TONS TO DATE	**27.13**
DRUMS TO DATE	**0.00**

DATE SHIPPED	DISPOSAL FACILITY	HAULER	TONS	GALLONS	DRUMS	MANIFEST NUMBER	LOAD NUMBER	COMMENTS
12/22/1997	HOH Corporation	Pridgen Trucking		6,000		445	W-001	Development Water from Horizontal Drilling
1/9/1998	HOH Corporation	Pridgen Trucking		6,000		446	W-002	Development Water from Horizontal Drilling
1/21/1998	Shamrock Environmental Corporation	Pridgen Trucking		2,750		460	W-003	Development Water from Horizontal Drilling
2/26/1998	Carlisle Farms, Inc.	SouthCo Enterprises, Inc.	27.13			463	S-001	Non-hazardous POL Contaminated Soil
5/20/1998	Groundwater Treatment System, Former Rifle Range RR-72	J.A. Jones Environmental Services Company		350		289	W-004	Recovered Soil Vapor Water
8/14/1998	Groundwater Treatment System, Former Rifle Range RR-72	J.A. Jones Environmental Services Company		700		294	W-005	Recovered Soil Vapor Water
9/24/1998	Groundwater Treatment System, Former Rifle Range RR-72	J.A. Jones Environmental Services Company		125		704	W-006	Recovered Soil Vapor Water
9/30/1998	Groundwater Treatment System, Former Rifle Range RR-72	J.A. Jones Environmental Services Company		425		707	W-007	Recovered Soil Vapor Water
10/6/1998	Groundwater Treatment System, Former Rifle Range RR-72	J.A. Jones Environmental Services Company		186		713	W-008	Recovered Soil Vapor Water
11/10/1998	Groundwater Treatment System, Former Rifle Range RR-72	J.A. Jones Environmental Services Company		275		714	W-009	Recovered Soil Vapor Water
12/14/1998	Groundwater Treatment System, Former Rifle Range RR-72	J.A. Jones Environmental Services Company		300		801, 804	W-010	Recovered Soil Vapor Water
1/29/1999	Groundwater Treatment System, Former Rifle Range RR-72	J.A. Jones Environmental Services Company		275		726	W-011	Recovered Soil Vapor Water
4/9/1999	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		41		821	W-012	Recovered AFVR Groundwater
4/23/1999	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		58		821	W-013	Recovered AFVR Groundwater
4/28/1999	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		350		830	W-014	Recovered Soil Vapor Water
5/11/1999	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		14		821	W-015	Recovered AFVR Groundwater
5/25/1999	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		333.5		821	W-016	Recovered AFVR Groundwater
6/12/1999	Groundwater Treatment System, Former Rifle Range RR-72	J.A. Jones Environmental Services Company		500		734	W-017	Soil Vapor Water Accumulated in Storage Tank
7/27/1999	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		179		821	W-018	Soil Vapor Water Accumulated in Storage Tank
12/14/2000	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		354		1280	W-019	Recovered AFVR Groundwater
6/28/2001	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		300		2598	W-020	Recovered AFVR Groundwater
8/13/2001	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		300		2634	W-021	Recovered AFVR Groundwater
9/27/2001	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		250		2669	W-022	Condensate Water
12/14/2001	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		325		2728	W-023	Condensate Water
12/20/2001	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		200		2734	W-024	Condensate Water
4/8/2002	OHM's North Plant Aquifer Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		100		2797	W-025	Condensate Water
9/5/2002	EMD Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		250		----	W-026	Recovered AFVR Groundwater
10/31/2002	EMD Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		300		----	W-027	Recovered AFVR Groundwater
11/7/2002	EMD Treatment Facility Camp Lejeune, NC	J.A. Jones Environmental Services Company		300		----	W-028	Recovered AFVR Groundwater
			27.13	**21540.50**	**0.00**	**SOIL:**	**1**	**Loads**
						WATER:	**28**	**Loads**
						DRUMS:	**0**	**Loads**

Table 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-1					
		Sample ID	USTAS4158-MW01-03A	USTAS4158-MW01-02B	USTAS4158-MW01-01D	USTAS4158-MW01-01C	USTAS4158-MW01-01B	USTAS4158-MW01-00D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/14/2003 *#	4/15/2002 *#	10/16/2001 #	7/16/2001 *	4/17/2001 *#	10/18/2000 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-1					
		Sample ID	USTAS4158-MW01-00C	USTAS4158-MW01-00A	USTAS4158-MW01-99C	USTAS4158-MW01-99B	USTAS4158-MW01-98D	USTAS4158-MW01-98C1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/26/2000	1/12/2000 *#	7/30/1999 #	4/19/1999 #	10/21/1998	7/23/1998
Benzene	1		BQL	BQL	BQL	BQL	6	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-1		MW-2			
		Sample ID	USTAS4158-MW01-98B2	USTAS4158-MW01-98B1	USTAS4158-MW02-01C	USTAS4158-MW02-01B	USTAS4158-MW02-00D	USTAS4158-MW02-00C
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	5/15/1998	3/27/1998	7/16/2001	4/17/2001	10/18/2000 *	7/27/2000
Benzene	1		**1**	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-2					MW-3
		Sample ID	USTAS4158-MW02-00B	USTAS4158-MW02-99B	USTAS4158-MW02-99A	USTAS4158-MW02-98B2	USTAS4158-MW02-98B1	USTAS4158-MW03-03A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	4/25/2000 *#	5/7/1999 *#	1/25/1999 *#	5/15/1998	3/27/1998	1/14/2003 *#
Benzene	1		BQL	BQL	BQL	**23**	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	**320**	**240**	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	**140**	**140**	BQL
Total Xylenes	530		BQL	BQL	BQL	**1,100**	**1,020**	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	NA	**18**	**14**	BQL
Acenaphthene	80		BQL	BQL	NA	BQL	BQL	BQL
Fluorene	280		BQL	BQL	NA	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	NA	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	NA	BQL	BQL	BQL
Pyrene	210		BQL	BQL	NA	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	NA	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	NA	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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-3					
		Sample ID	USTAS4158-MW03-02D	USTAS4158-MW03-02C	USTAS4158-MW03-02B	USTAS4158-MW03-02A	USTAS4158-MW03-01D	USTAS4158-MW03-01C
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/22/2002 *#	7/15/2002 *#	4/15/2002 *#	1/15/2002 *#	10/16/2001 #	7/16/2001 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-3					
		Sample ID	USTAS4158-MW03-01B	USTAS4158-MW03-01A	USTAS4158-MW03-00D	USTAS4158-MW03-00C	USTAS4158-MW03-00B	USTAS4158-MW03-00A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	4/17/2001 *#	1/4/2001 *#	10/18/2000 *	7/27/2000	4/25/2000 *#	1/12/2000 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	13	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-3					
		Sample ID	USTAS4158-MW03-99D	USTAS4158-MW03-99C	USTAS4158-MW03-99B	USTAS4158-MW03-99A	USTAS4158-MW03-98D	USTAS4158-MW03-98C1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/20/1999 *#	7/14/1999 *#	4/19/1999 *#	1/25/1999 *#	10/21/1998	7/23/1998
Benzene	1		BQL	BQL	BQL	**1**	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-3			MW-4		
		Sample ID	USTAS4158-MW03-98B3	USTAS4158-MW03-98B2	USTAS4158-MW03-98B1	USTAS4158-MW04-03A	USTAS4158-MW04-02D	USTAS4158-MW04-02C
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/24/1998	5/15/1998	3/27/1998	1/14/2003 *#	10/23/2002 *#	7/15/2002 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-4					
		Sample ID	USTAS4158-MW04-02B	USTAS4158-MW04-02A	USTAS4158-MW04-01D	USTAS4158-MW04-01C	USTAS4158-MW04-01B	USTAS4158-MW04-01A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	4/15/2002 *#	1/15/2002 *#	10/15/2001 #	7/16/2001 *	4/17/2001 *#	1/4/2001 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-4					
		Sample ID	USTAS4158-MW04-00D	USTAS4158-MW04-00C	USTAS4158-MW04-00B	USTAS4158-MW04-00A	USTAS4158-MW04-99D	USTAS4158-MW04-99C
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/18/2000 *	7/26/2000 *	4/24/2000 *#	1/12/2000 *#	10/20/1999 *#	7/14/1999 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		**2**	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-4					
		Sample ID	USTAS4158-MW04-99B	USTAS4158-MW04-99A	USTAS4158-MW04-98D	USTAS4158-MW04-98C1	USTAS4158-MW04-98B3	USTAS4158-MW04-98B2
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	4/19/1999 *#	1/25/1999 *#	10/21/1998	7/23/1998	6/24/1998	5/15/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-4	MW-5				
		Sample ID	USTAS4158-MW04-98B1	USTAS4158-MW05-03A	USTAS4158-MW05-02C	USTAS4158-MW05-02C	USTAS4158-MW05-02B	USTAS4158-MW05-02A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	3/27/1998	1/14/2003 *#	10/22/2002 *#	7/15/2002 *#	4/15/2002 *#	1/15/2002 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-5					
		Sample ID	USTAS4158-MW05-01D	USTAS4158-MW05-01C	USTAS4158-MW05-01B	USTAS4158-MW05-01A	USTAS4158-MW05-00D	USTAS4158-MW05-00C
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/16/2001 #	7/16/2001 *	4/17/2001 *#	1/4/2001 *#	10/18/2000 *	7/27/2000
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-5					
		Sample ID	USTAS4158-MW05-00B	USTAS4158-MW05-00A	USTAS4158-MW05-99D	USTAS4158-MW05-99C	USTAS4158-MW05-99B	USTAS4158-MW05-99A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	4/24/2000 *#	3/23/2000 *#	10/20/1999 *#	7/14/1999 *#	4/19/1999 *#	1/25/1999 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-5	MW-7				
		Sample ID	USTAS4158-MW05-98D	USTAS4158-MW07-03A	USTAS4158-MW07-02D	USTAS4158-MW07-02C	USTAS4158-MW07-02B	USTAS4158-MW07-02A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/21/1998	1/14/2003 *#	10/22/2002 *#	7/15/2002 *#	4/15/2002 *#	1/15/2002 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-7					
		Sample ID	USTAS4158-MW07-01C	USTAS4158-MW07-01C	USTAS4158-MW07-01A	USTAS4158-MW07-00D	USTAS4158-MW07-00C	USTAS4158-MW07-00B
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/16/2001 *	4/17/2001 *#	1/4/2001 *#	10/18/2000 *	7/27/2000	4/24/2000 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-7					
		Sample ID	USTAS4158-MW07-00A	USTAS4158-MW07-99D	USTAS4158-MW07-99C	USTAS4158-MW07-99B	USTAS4158-MW07-99A	USTAS4158-MW07-98D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/12/2000 *#	10/20/1999 *#	7/14/1999 *#	4/19/1999 *#	1/25/1999 *#	10/21/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-7				MW-8	
		Sample ID	USTAS4158-MW07-98C1	USTAS4158-MW07-98B3	USTAS4158-MW07-98B2	USTAS4158-MW07-98B1	USTAS4158-MW08-03A	USTAS4158-MW08-02D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/23/1998	6/24/1998	5/15/1998	3/27/1998	1/14/2003 *#	10/23/2002 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-8					
		Sample ID	USTAS4158-MW08-02C	USTAS4158-MW08-02B	USTAS4158-MW08-02A	USTAS4158-MW08-01D	USTAS4158-MW08-01C	USTAS4158-MW08-01B
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/15/2002 *#	4/15/2002 *#	1/15/2002 *#	10/15/2001 #	7/16/2001 *	4/17/2001 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-8					
		Sample ID	USTAS4158-MW08-01A	USTAS4158-MW08-00D	USTAS4158-MW08-00C	USTAS4158-MW08-00B	USTAS4158-MW08-00A	USTAS4158-MW08-99D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/4/2001 *#	10/18/2000 *	7/26/2000 *	4/25/2000 *#	1/12/2000 *#	10/20/1999 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-8					
		Sample ID	USTAS4158-MW08-99C	USTAS4158-MW08-99B	USTAS4158-MW08-99A	USTAS4158-MW08-98D	USTAS4158-MW08-98C1	USTAS4158-MW08-98B3
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/14/1999 *#	4/19/1999 *#	1/25/1999 *#	10/21/1998	7/23/1998	6/24/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-8	
		Sample ID	USTAS4158-MW08-98B2	USTAS4158-MW08-98B1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	5/15/1998	3/27/1998
Benzene	1		BQL	BQL
Ethylbenzene	29		BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL
Toluene	1000		BQL	BQL
Total Xylenes	530		BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L				
Naphthalene	21		BQL	BQL
Acenaphthene	80		BQL	BQL
Fluorene	280		BQL	BQL
Phenanthrene	210		BQL	BQL
Anthracene	2100		BQL	BQL
Pyrene	210		BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL
2-Methylnaphthalene	28		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-9					
		Sample ID	USTAS4158-MW09-03A	USTAS4158-MW09-02D	USTAS4158-MW09-01D	USTAS4158-MW09-01C	USTAS4158-MW09-01B	USTAS4158-MW09-01A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/14/2003 *#	10/23/2002 *#	10/15/2001 #	7/16/2001 *	4/17/2001 *#	1/4/2001 *#
Benzene	1		**69**	**19**	BQL	**52**	**180**	**160**
Ethylbenzene	29		**43**	**10**	BQL	**1**	**13**	**10**
Methyl-tert-butyl ether (MTBE)	200		**13**	**17**	**2**	**6**	BQL	BQL
Toluene	1000		**66**	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		**400**	**156**	BQL	**2**	**24**	**32**
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		**1500**	**860**	BQL	BQL	**28**	**54**
Acenaphthene	80		**300**	**210**	BQL	BQL	**17**	BQL
Fluorene	280		BQL	**400**	BQL	BQL	BQL	BQL
Phenanthrene	210		**1300**	**850**	BQL	BQL	BQL	**23**
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		**200**	BQL	BQL	BQL	BQL	**14**
1-Methylnaphthalene	Detection Limit		**3000**	**1600**	BQL	BQL	**13**	**63**
2-Methylnaphthalene	28		**3800**	**2600**	BQL	BQL	**13**	**35**

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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-9					
		Sample ID	USTAS4158-MW09-00D	USTAS4158-MW09-00C	USTAS4158-MW09-00B	USTAS4158-MW09-00A	USTAS4158-MW09-99D	USTAS4158-MW09-99C
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/18/2000 *	7/26/2000 *	4/24/2000 *#	1/12/2000 *#	10/20/1999 *#	7/14/1999 *#
Benzene	1		**100**	**89**	**66**	**17**	**6**	**5**
Ethylbenzene	29		BQL	BQL	BQL	**1**	BQL	**1**
Methyl-tert-butyl ether (MTBE)	200		**11**	**16**	**23**	**23**	**13**	**28**
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	**9**	**8**	**55**
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	**13**	**16**	**68**
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	**17**
Fluorene	280		BQL	BQL	BQL	**20**	**22**	**89**
Phenanthrene	210		**11**	BQL	**17**	**20**	**29**	**160**
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	**20**
Pyrene	210		**13**	**30**	BQL	BQL	BQL	**22**
1-Methylnaphthalene	Detection Limit		BQL	BQL	**12**	**51**	**62**	**240**
2-Methylnaphthalene	28		**11**	BQL	BQL	**23**	**31**	**360**

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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-9		MW-10			
		Sample ID	USTAS4158-MW09-99B	USTAS4158-MW09-99B	USTAS4158-MW10-03A	USTAS4158-MW10-02D	USTAS4158-MW10-02C	USTAS4158-MW10-02B
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	5/7/1999 *#	2/16/1999 *#	1/14/2003 *#	10/23/2002 *#	7/15/2002 *#	4/15/2002 *#
Benzene	1		**13**	**110**	BQL	BQL	BQL	BQL
Ethylbenzene	29		**61**	**86**	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		**23**	**26**	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		**321**	**470**	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		**56**	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		**26**	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		**37**	**11,000**	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	**11,000**	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		**120**	**17,000**	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		**120**	**90,000**	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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-10					
		Sample ID	USTAS4158-MW10-02A	USTAS4158-MW10-01D	USTAS4158-MW10-01C	USTAS4158-MW10-01B	USTAS4158-MW10-01A	USTAS4158-MW10-00D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/15/2002 *#	10/15/2001 #	7/16/2001 *	4/17/2001 *#	1/4/2001 *#	10/18/2000 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-10					
		Sample ID	USTAS4158-MW10-00C	USTAS4158-MW10-00B	USTAS4158-MW10-00A	USTAS4158-MW10-99D	USTAS4158-MW10-99B	USTAS4158-MW10-99A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/26/2000 *	4/25/2000 *#	1/12/2000 *#	10/20/1999 *#	4/19/1999 *#	1/25/1999 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-10					MW-11
		Sample ID	USTAS4158-MW10-98D	USTAS4158-MW10-98C1	USTAS4158-MW10-98B3	USTAS4158-MW10-98B2	USTAS4158-MW10-98B1	USTAS4158-MW11-03A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/21/1998	7/23/1998	6/24/1998	5/15/1998	3/27/1998	1/14/2003 *#
Benzene	1		BQL	BQL	BQL	BQL	**230**	**2**
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	**9**
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	**26**	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	**12**	BQL
2-Methylnaphthalene	28		BQL	BQL	BQL	BQL	**14**	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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-11					
		Sample ID	USTAS4158-MW11-02D	USTAS4158-MW11-02	USTAS4158-MW11-02B	USTAS4158-MW11-02A	USTAS4158-MW11-01D	USTAS4158-MW11-01C
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/23/2002 *#	7/15/2002 *#	4/15/2002 *#	1/15/2002 *#	10/15/2001 #	7/16/2001 *
Benzene	1		**3**	**3**	BQL	**2**	**1**	**3**
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		**7**	**11**	**7**	**13**	**12**	**8**
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-11					
		Sample ID	USTAS4158-MW11-01B	USTAS4158-MW11-01A	USTAS4158-MW11-00D	USTAS4158-MW11-00C	USTAS4158-MW11-00B	USTAS4158-MW11-00A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	4/17/2001 *#	1/4/2001 *#	10/18/2000 *	7/26/2000 *	4/25/2000 *#	1/12/2000 *#
Benzene	1		**2**	**10**	**16**	**15**	**8**	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		**5**	**4**	**7**	**9**	**9**	**7**
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-11					
		Sample ID	USTAS4158-MW11-99D	USTAS4158-MW11-99C	USTAS4158-MW11-99B	USTAS4158-MW11-99A	USTAS4158-MW11-98D	USTAS4158-MW11-98C1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/20/1999 *#	7/14/1999 *#	4/19/1999 *#	1/25/1999 *#	10/21/1998	7/23/1998
Benzene	1		**2**	**16**	**5**	**7**	**20**	**62**
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		**6**	**13**	**8**	**12**	**40**	**10**
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-11			MW-13		
		Sample ID	USTAS4158-MW11-98B3	USTAS4158-MW11-98B2	USTAS4158-MW11-98B1	USTAS4158-MW13-03A	USTAS4158-MW13-02D	USTAS4158-MW13-02C
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	6/24/1998	5/15/1998	3/27/1998	1/14/2003 *#	10/23/2002 *#	7/15/2002 *#
Benzene	1		**250**	**20**	**90**	BQL	BQL	**22**
Ethylbenzene	29		BQL	BQL	**4**	BQL	BQL	**3**
Methyl-tert-butyl ether (MTBE)	200		**26**	**7**	**130**	**26**	**17**	**67**
Toluene	1000		BQL	BQL	**24**	BQL	BQL	**2**
Total Xylenes	530		BQL	BQL	**56**	BQL	BQL	**6**
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-13					
		Sample ID	USTAS4158-MW13-02B	USTAS4158-MW13-02A	USTAS4158-MW13-01D	USTAS4158-MW13-01C	USTAS4158-MW13-01B	USTAS4158-MW13-01A.
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	4/15/2002 *#	1/15/2002 *#	10/15/2001 #	7/16/2001 *	4/17/2001 *#	1/4/2001 *#
Benzene	1		**3**	**3**	BQL	**5**	**35**	**150**
Ethylbenzene	29		BQL	BQL	BQL	BQL	**3**	**43**
Methyl-tert-butyl ether (MTBE)	200		**34**	**15**	**42**	**62**	**52**	**35**
Toluene	1000		BQL	BQL	BQL	BQL	**7**	**67**
Total Xylenes	530		BQL	BQL	BQL	BQL	**13**	**154**
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	**11**
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-13					
		Sample ID	USTAS4158-MW13-00D	USTAS4158-MW13-00C	USTAS4158-MW13-00B	USTAS4158-MW13-00A	USTAS4158-MW13-99D	USTAS4158-MW13-99B
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/18/2000 *	7/26/2000 *	4/25/2000 *#	1/12/2000 *#	10/20/1999 *#	4/19/1999 *#
Benzene	1		**300**	**89**	**180**	BQL	**6**	**38**
Ethylbenzene	29		**550**	BQL	**34**	BQL	**1**	**3**
Methyl-tert-butyl ether (MTBE)	200		BQL	**55**	**69**	**17**	**16**	**18**
Toluene	1000		**610**	**26**	**190**	BQL	BQL	**7**
Total Xylenes	530		**1280**	**19**	**290**	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		**90**	BQL	**13**	BQL	BQL	**36**
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		**14**	BQL	BQL	BQL	BQL	**22**
2-Methylnaphthalene	28		**13**	BQL	BQL	BQL	BQL	**32**

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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-13				
		Sample ID	USTAS4158-MW13-99A	USTAS4158-MW13-98C1	USTAS4158-MW13-98B3	USTAS4158-MW13-98B2	USTAS4158-MW13-98B1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	2/16/1999 *#	7/23/1998	6/24/1998	5/15/1998	3/27/1998
Benzene	1		**1**	**44**	**1,200**	**140**	**1,700**
Ethylbenzene	29		BQL	**7**	**440**	**19**	**220**
Methyl-tert-butyl ether (MTBE)	200		**7**	**56**	**150**	BQL	BQL
Toluene	1000		BQL	BQL	**1,300**	BQL	**270**
Total Xylenes	530		BQL	**10**	**2,020**	BQL	**580**
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L							
Naphthalene	21		BQL	BQL	**64**	BQL	**47**
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL
Pyrene	210		BQL	BQL	BQL	BQL	BQL
1-Methylnaphthalene	Detection Limit		BQL	BQL	BQL	BQL	BQL
2-Methylnaphthalene	28		BQL	BQL	**10**	BQL	**11**

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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-14					
		Sample ID	USTAS4158-MW14-03A	USTAS4158-MW14-02D	USTAS4158-MW14-02C	USTAS4158-MW14-02B	USTAS4158-MW14-02A	USTAS4158-MW14-01D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/14/2003 *#	10/23/2002 *#	7/15/2002 *#	4/15/2002 *#	1/15/2002 *#	10/15/2001 #
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-14					
		Sample ID	USTAS4158-MW14-01C	USTAS4158-MW14-01B	USTAS4158-MW14-01A	USTAS4158-MW14-00D	USTAS4158-MW14-00C	USTAS4158-MW14-00B
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/16/2001 *	4/17/2001 *#	1/4/2001 *#	10/18/2000 *	7/26/2000 *	4/25/2000 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-14					
		Sample ID	USTAS4158-MW14-00A	USTAS4158-MW14-99D	USTAS4158-MW14-99C	USTAS4158-MW14-99B	USTAS4158-MW14-99A	USTAS4158-MW14-98D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/12/2000 *#	10/20/1999 *#	7/14/1999 *#	4/19/1999 *#	1/25/1999 *#	10/21/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-14				MW-15	
		Sample ID	USTAS4158-MW14-98C1	USTAS4158-MW14-98B3	USTAS4158-MW14-98B2	USTAS4158-MW14-98B1	USTAS4158-MW15-03A	USTAS4158-MW15-02D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/23/1998	6/24/1998	5/15/1998	3/27/1998	1/14/2003 *#	10/23/2002 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-15					
		Sample ID	USTAS4158-MW15-02C	USTAS4158-MW15-02B	USTAS4158-MW15-02A	USTAS4158-MW15-01D	USTAS4158-MW15-01C	USTAS4158-MW15-01B
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/15/2002 *#	4/15/2002 *#	1/15/2002 *#	10/15/2001 #	7/16/2001 *	4/17/2001 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	**2**
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	**1**
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	**6**
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-15					
		Sample ID	USTAS4158-MW15-01A	USTAS4158-MW15-00D	USTAS4158-MW15-00C	USTAS4158-MW15-00B	USTAS4158-MW15-00A	USTAS4158-MW15-99D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/4/2001 *#	10/18/2000 *	7/26/2000 *	4/25/2000 *#	1/12/2000 *#	10/20/1999 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-15					
		Sample ID	USTAS4158-MW15-99C	USTAS4158-MW15-99B	USTAS4158-MW15-99A	USTAS4158-MW15-98D	USTAS4158-MW15-98C1	USTAS4158-MW15-98B3
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/14/1999 *#	4/19/1999 *#	1/25/1999 *#	10/21/1998	7/23/1998	6/24/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-15		MW-17			
		Sample ID	USTAS4158-MW15-98B2	USTAS4158-MW15-98B1	USTAS4158-MW17-03A	USTAS4158-MW17-02D	USTAS4158-MW17-02C	USTAS4158-MW17-02B
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	5/15/1998	3/27/1998	1/14/2003 *#	10/23/2002 *#	7/15/2002 *#	4/15/2002 *#
Benzene	1		BQL	**1**	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	**5**	**5**	**9**	**9**
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-17					
		Sample ID	USTAS4158-MW17-02A	USTAS4158-MW17-01D	USTAS4158-MW17-01C	USTAS4158-MW17-01B	USTAS4158-MW17-01A	USTAS4158-MW17-00D
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/15/2002 *#	10/15/2001 #	7/16/2001 *	4/17/2001 *#	1/4/2001 *#	10/18/2000 *
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		**10**	**8**	**8**	**8**	**3**	**3**
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-17					
		Sample ID	USTAS4158-MW17-00C	USTAS4158-MW17-00B	USTAS4158-MW17-00A	USTAS4158-MW17-99D	USTAS4158-MW17-99C	USTAS4158-MW17-99B
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	7/26/2000 *	4/24/2000 *#	1/12/2000 *#	10/20/1999 *#	7/14/1999 *#	4/19/1999 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		**3**	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-17					
		Sample ID	USTAS4158-MW17-99A	USTAS4158-MW17-98D	USTAS4158-MW17-98C1	USTAS4158-MW17-98B3	USTAS4158-MW17-98B2	USTAS4158-MW17-98B1
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	1/25/1999 *#	10/21/1998	7/23/1998	6/24/1998	5/15/1998	3/27/1998
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-18					
		Sample ID	USTAS4158-MW18-02D	USTAS4158-MW18-02C	USTAS4158-MW18-02B	USTAS4158-MW18-02A	USTAS4158-MW18-01D	USTAS4158-MW18-01B
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	10/23/2002 *#	7/15/2002 *#	4/15/2002 *#	1/15/2002 *#	10/15/2001 #	4/17/2001 *#
Benzene	1		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L								
Naphthalene	21		BQL	BQL	BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL	BQL	BQL
Pyrene	210		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 3-1 (continued)
Summary of Detected Concentrations
Groundwater Monitoring Well Samples
Building AS-4158
Marine Corps Air Station
New River, North Carolina

Parameter	NCDENR	Sample Location	MW-18			
		Sample ID	USTAS4158-MW18-00B	USTAS4158-MW18-99C	USTAS4158-MW18-99B	USTAS4158-MW18-98A
Volatile Aromatic Hydrocarbons by USEPA Method 602, ug/L	**Regulatory Limit**	**Sample Date**	4/25/2000 *#	7/14/1999	4/19/1999 *#	3/27/1998
Benzene	1		BQL	BQL	BQL	BQL
Ethylbenzene	29		BQL	BQL	BQL	BQL
Methyl-tert-butyl ether (MTBE)	200		BQL	BQL	BQL	BQL
Toluene	1000		BQL	BQL	BQL	BQL
Total Xylenes	530		BQL	BQL	BQL	BQL
Polynuclear Aromatic Hydrocarbons by USEPA Method 625/8270C, ug/L						
Naphthalene	21		BQL	BQL	BQL	BQL
Acenaphthene	80		BQL	BQL	BQL	BQL
Fluorene	280		BQL	BQL	BQL	BQL
Phenanthrene	210		BQL	BQL	BQL	BQL
Anthracene	2100		BQL	BQL	BQL	BQL
Pyrene	210		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

Table 3-2
Summary of Detected Concentrations
Treatment System Samples
Building AS-4158
Camp Lejeune, North Carolina

Parameter	Sample Location	SVE-I	
	Sample ID	USTAS4158-SVE-I-03A	USTAS4158-SVE-I-02D
Volatile Aromatic Hydrocarbons by USEPA Method 18, ppm	**Sample Date**	1/7/2003 *	10/16/2002
Benzene		BQL	BQL
Ethylbenzene		BQL	BQL
Toluene		BQL	BQL
Total Xylenes		BQL	BQL

NOTE:
SVE-I collected from Soil Vapor Extraction System Influent.
SVE-E collected from Soil Vapor Extraction System Effluent.
Bold type indicates detected concentrations above
laboratory quantitation limits.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package

Table 3-2
Summary of Detected Concentrations
Treatment System Samples
Building AS-4158
Camp Lejeune, North Carolina

Parameter	Sample Location	SVE-E						
	Sample ID	USTAS4158-SVE-E-02A	USTAS4158-SVE-E-01D	USTAS4158-SVE-E-01C	USTAS4158-SVE-E-01A	USTAS4158-SVE-E-99D	USTAS4158-SVE-E-99C	USTAS4158-SVE-E-99B
Volatile Aromatic Hydrocarbons by USEPA Method 18, ppm	Sample Date	1/8/2002 *	10/9/2001 *	7/9/2001 *	2/15/2001 *	10/13/1999 *	7/7/1999 *	4/12/1999 *
Benzene		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Toluene		BQL	BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes		BQL	BQL	BQL	BQL	BQL	BQL	BQL

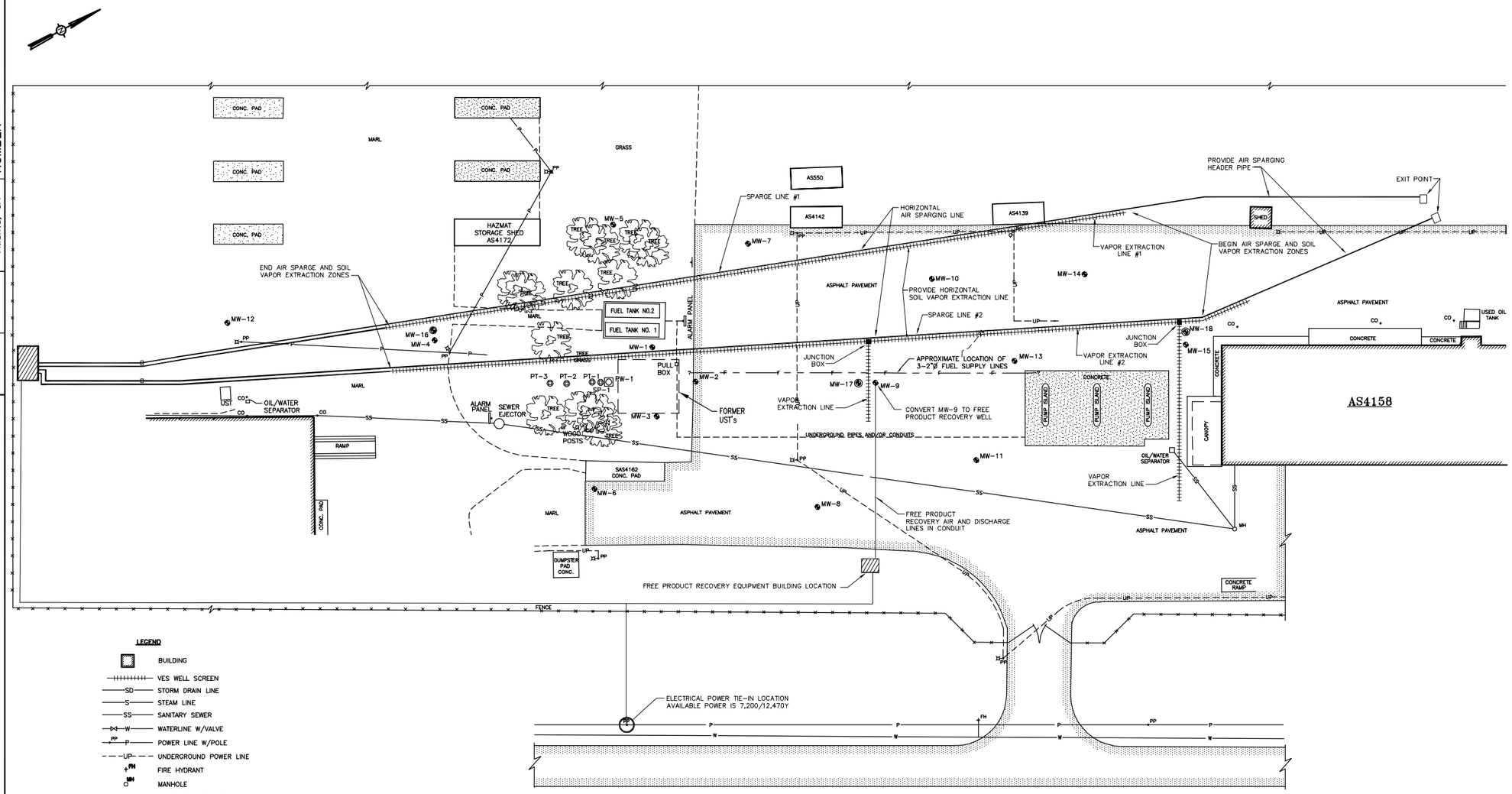
NOTE:
SVE-I collected from Soil Vapor Extraction System Influent.
SVE-E collected from Soil Vapor Extraction System Effluent.
Bold type indicates detected concentrations above laboratory quantitation limits.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package

Table 3-2
Summary of Detected Concentrations
Treatment System Samples
Building AS-4158
Camp Lejeune, North Carolina

Parameter	Sample Location	SVE-E					
	Sample ID	USTAS4158-SVE-E-99A	USTAS4158-SVE-E-98D	USTAS4158-SVE-E-98C1	USTAS4158-SVE-E-98B3	USTAS4158-SVE-E-98B2	USTAS4158-SVE-E-98B1
Volatile Aromatic Hydrocarbons by USEPA Method 18, ppm	Sample Date	1/18/1999 *	10/15/1998	7/22/1998	6/19/1998	5/8/1998	4/22/1998
Benzene		BQL	BQL	BQL	BQL	BQL	BQL
Ethylbenzene		BQL	BQL	BQL	BQL	BQL	BQL
Toluene		BQL	BQL	BQL	BQL	BQL	BQL
Total Xylenes		BQL	BQL	BQL	BQL	BQL	**17.9**

NOTE:
SVE-I collected from Soil Vapor Extraction System Influent.
SVE-E collected from Soil Vapor Extraction System Effluent.
Bold type indicates detected concentrations above laboratory quantitation limits.
BQL = Below Laboratory Quantitation Limit
* verified with laboratory data package

IMAGE	X-REF	OFFICE	DRAWING NUMBER
---	---	*Atlanta, GA*	AS4158-FIG1-1



LEGEND

- BUILDING
- VES WELL SCREEN
- SD — STORM DRAIN LINE
- S — STEAM LINE
- SS — SANITARY SEWER
- W — WATERLINE W/VALVE
- P — POWER LINE W/POLE
- UP — UNDERGROUND POWER LINE
- FH — FIRE HYDRANT
- MH — MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION

SITE PLAN

SURVEY NOTES:

1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.

2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/06/03
FORMAT REVISION

REV	DATE	BY	CHK'D APRVD	DESCRIPTION/ISSUE
				REVISIONS

	DESIGNED BY	CHECKED BY	APPROVED BY
Shaw Environmental, Inc.	RBK	RBK	
	DRAWN BY		
	JEL		

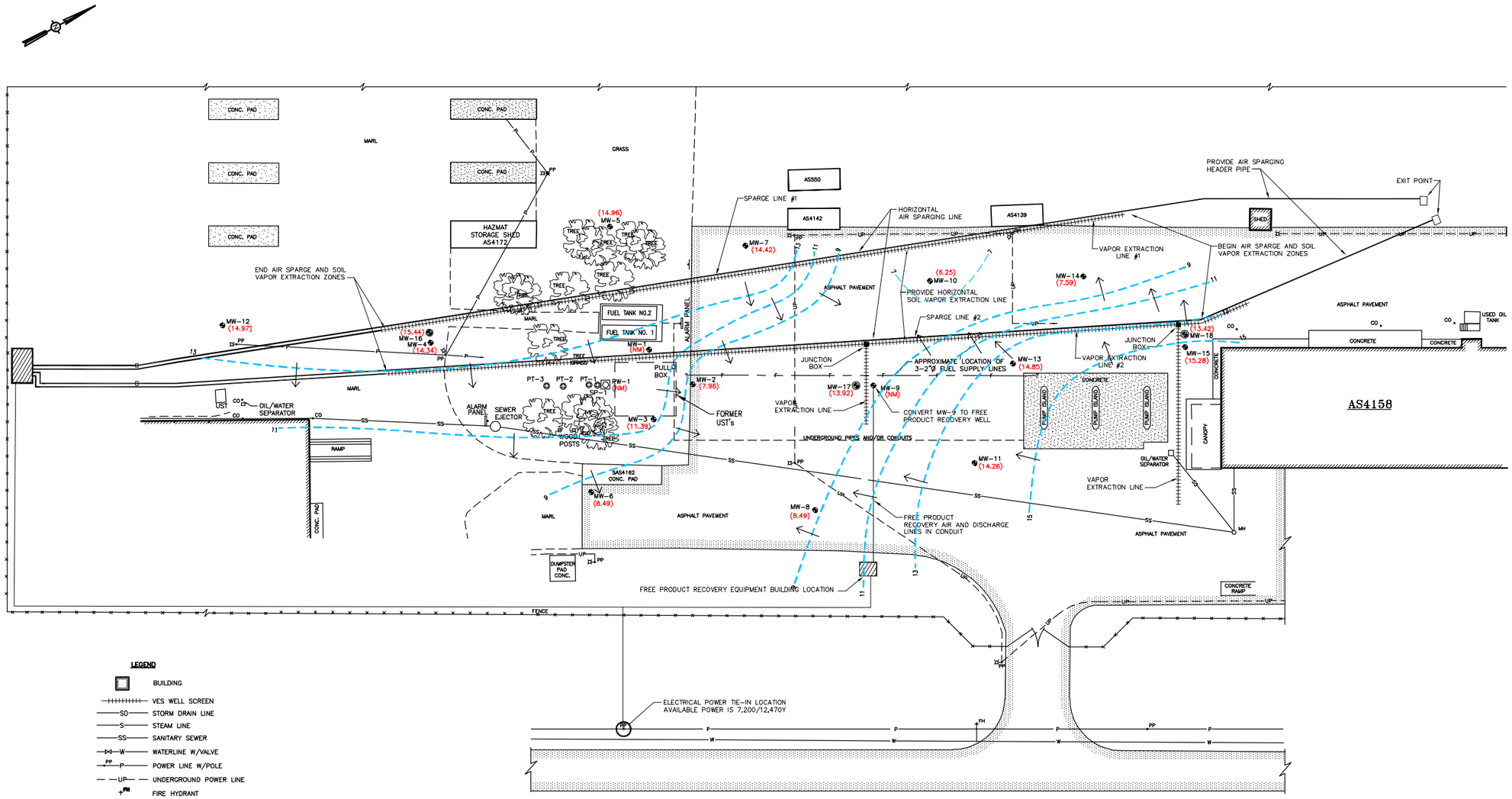
PROJECT NO. 845823

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA

SITE PLAN

SCALE: AS SHOWN	SIZE: D
DELIVERY ORDER NO. 0011	
CONSTR. CONTRACT NO. N62470-02-D-3260	
NAVFAC DRAWING NO. ?	
SHEET I.D. 1-1	

IMAGE	X-REF	OFFICE	DRAWING NUMBER
---	---	*Atlanta, GA*	AS4158-FIG2-1



LEGEND

- BUILDING
- VES WELL SCREEN
- SD — STORM DRAIN LINE
- S — STEAM LINE
- SS — SANITARY SEWER
- W — WATERLINE W/VALVE
- P — POWER LINE W/POLE
- UP — UNDERGROUND POWER LINE
- FIRE HYDRANT
- MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- (14.26) GROUNDWATER ELEVATION (FT, BGS)
- GROUNDWATER CONTOUR (FT, BGS)
- GROUNDWATER FLOW
- (NM) NOT MEASURED
- FORMER UST LOCATION

GROUNDWATER ELEVATIONS
APRIL 24, 1998

SURVEY NOTES:

1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.

2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	∮120 NAIL
5.	4504.84	4706.91	22.44	∮120 NAIL

0 30 60
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

PROJECT NO. 845823

DESIGNED BY	RBK	JEL
DRAWN BY	CHECKED BY	RBK
	APPROVED BY	

Shaw
Shaw Environmental, Inc.

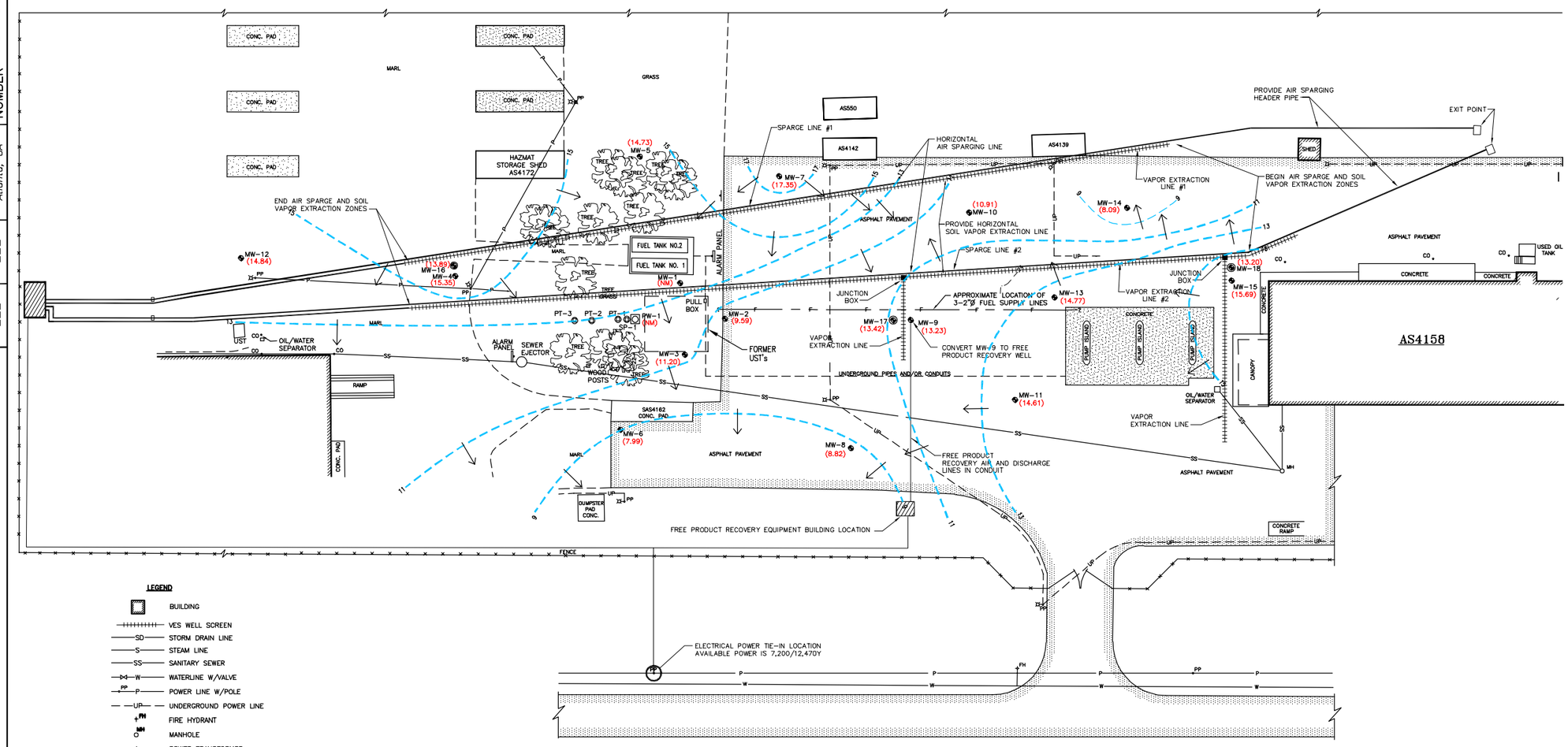
DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA

GROUNDWATER ELEVATION CONTOUR MAP
TYPE II WELLS – APRIL 24, 1998

SCALE: AS SHOWN	SIZE: D
DELIVERY ORDER NO. 0011	
CONSTR. CONTRACT NO. N62470-02-D-3260	
NAVFAC DRAWING NO. ?	
SHEET I.D. 2-1	

IMAGE | X-REF | OFFICE | DRAWING NUMBER
--- | --- | Atlanta, GA | AS4158-FIG2-2



LEGEND

- BUILDING
- VES WELL SCREEN
- SD — STORM DRAIN LINE
- S — STEAM LINE
- SS — SANITARY SEWER
- W — WATERLINE W/VALVE
- P — POWER LINE W/POLE
- UP — UNDERGROUND POWER LINE
- FH — FIRE HYDRANT
- MH — MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- (14.61) GROUNDWATER ELEVATION (FT, BGS)
- GROUNDWATER CONTOUR (FT, BGS)
- GROUNDWATER FLOW
- (NM) NOT MEASURED
- FORMER UST LOCATION

GROUNDWATER ELEVATIONS
NOVEMBER 22, 1999

SURVEY NOTES:

1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4908.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 — 30 — 60
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS

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

PROJECT NO. 845823

DESIGNED BY	RBK	CHECKED BY
DRAWN BY	JEL	APPROVED BY

Shaw Environmental, Inc.

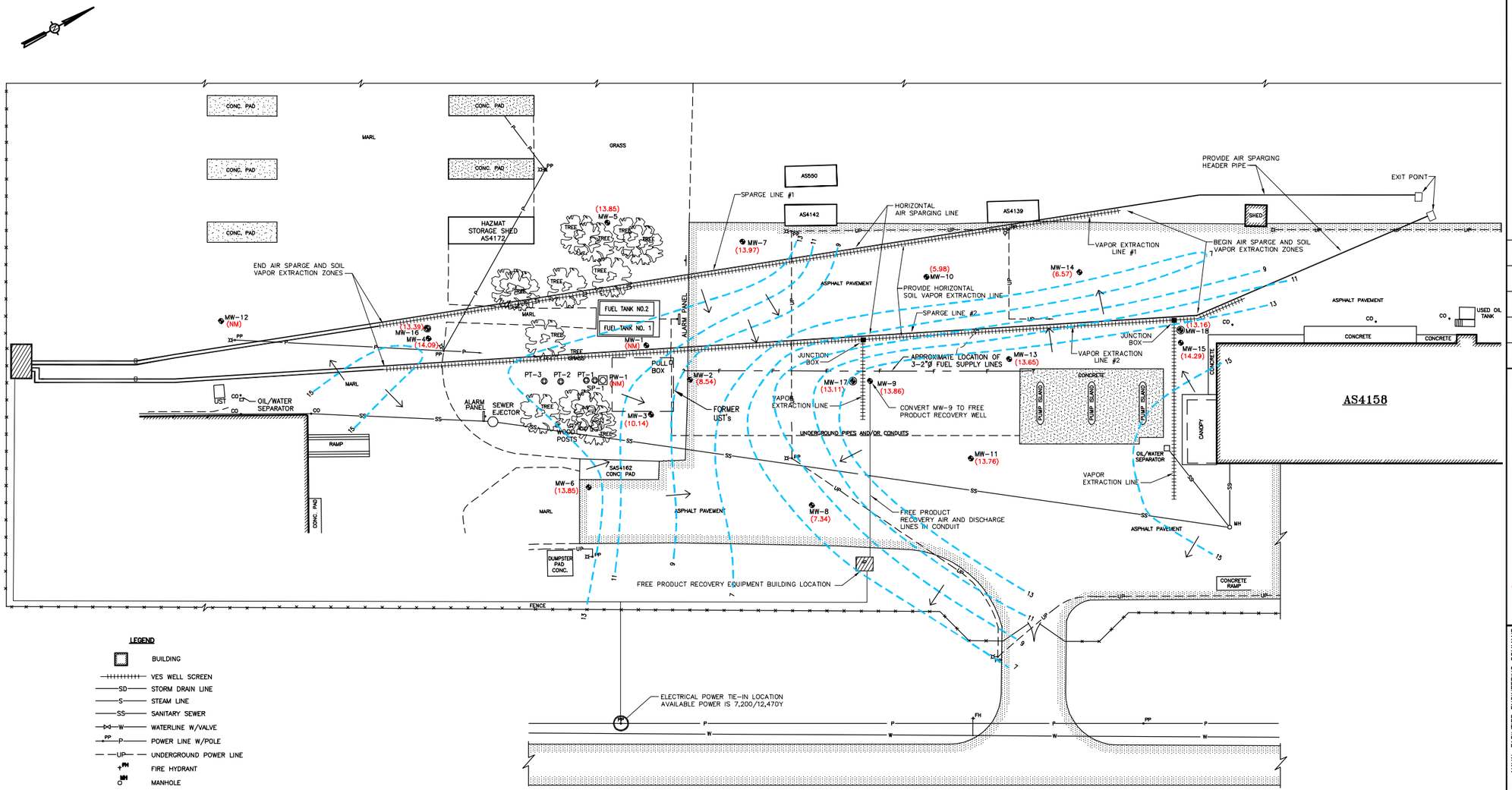
DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA

ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA

GROUNDWATER ELEVATION CONTOUR MAP
TYPE II WELLS – NOVEMBER 22, 1999

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

IMAGE	X-REF	OFFICE	DRAWING NUMBER
---	---	*Atlanta, GA*	AS4158-FIG2-3



LEGEND

- BUILDING
- VES WELL SCREEN
- SD — STORM DRAIN LINE
- S — STEAM LINE
- SS — SANITARY SEWER
- W — WATERLINE W/VALVE
- PP — P — POWER LINE W/POLE
- UP — UNDERGROUND POWER LINE
- FH — FIRE HYDRANT
- MH — MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- (13.76) GROUNDWATER ELEVATION (FT, BGS)
- GROUNDWATER CONTOUR (FT, BGS)
- GROUNDWATER FLOW
- (NM) NOT MEASURED
- FORMER UST LOCATION

GROUNDWATER ELEVATIONS
APRIL 25, 2000

SURVEY NOTES:

1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.

2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
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

CHECKED BY	APPROVED BY
RBK	JEL

DESIGNED BY	DRAWN BY
RBK	JEL

Shaw
Shaw Environmental, Inc.

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

ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA

GROUNDWATER ELEVATION CONTOUR MAP
TYPE II WELLS - APRIL 25, 2000

SCALE:	SIZE:
AS SHOWN	D

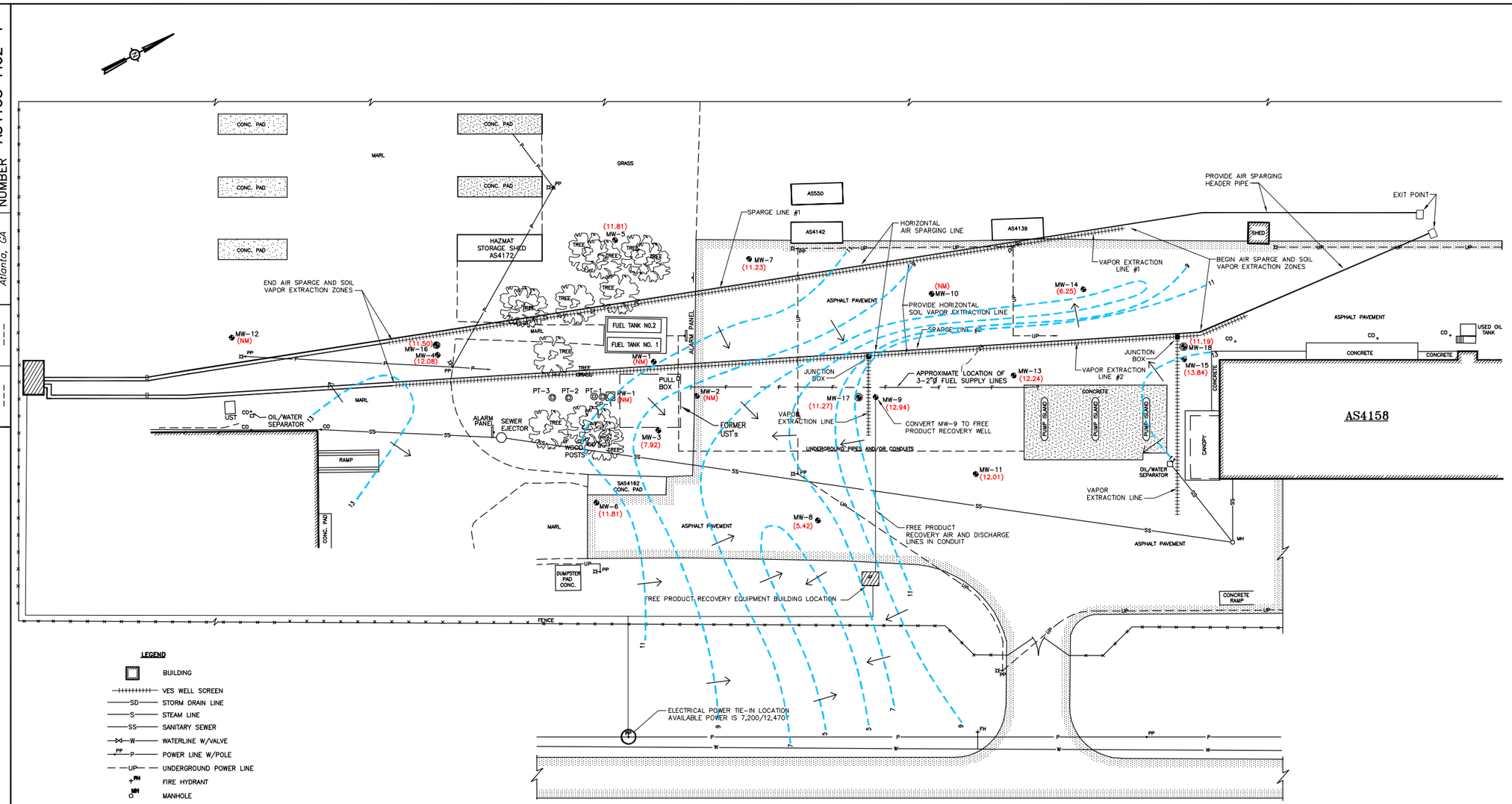
DELIVERY ORDER NO.
0011

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

NAVFAC DRAWING NO.
?

SHEET I.D.
2-3

IMAGE ---
X-REF ---
OFFICE Atlanta, GA
DRAWING NUMBER AS4158-FIG2-4



LEGEND

- BUILDING
- VES WELL SCREEN
- SD — STORM DRAIN LINE
- S — STEAM LINE
- SS — SANITARY SEWER
- W — WATERLINE W/VALVE
- PP — P — POWER LINE W/POLE
- UP — UNDERGROUND POWER LINE
- FH — FIRE HYDRANT
- MH — MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- (12.01) GROUNDWATER ELEVATION (FT, BGS)
- GROUNDWATER CONTOUR (FT, BGS)
- GROUNDWATER FLOW
- (NM) NOT MEASURED
- FORMER UST LOCATION

GROUNDWATER ELEVATIONS
NOVEMBER 5, 2001

SURVEY NOTES:
1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS

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

PROJECT NO. 845823

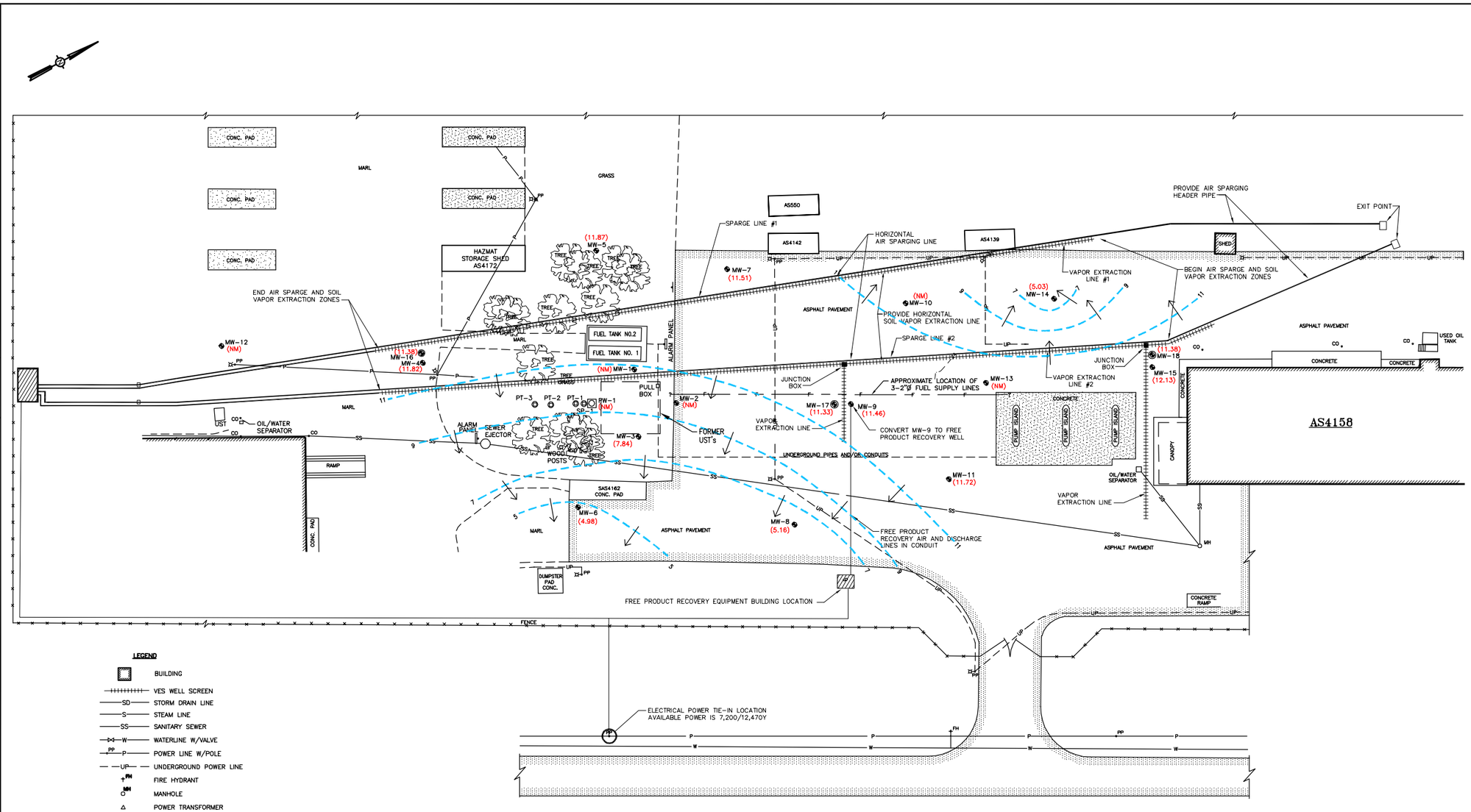
CHECKED BY	RBK
APPROVED BY	
DESIGNED BY	RBK
DRAWN BY	JEL

Shaw Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA
GROUNDWATER ELEVATION CONTOUR MAP
TYPE II WELLS – NOVEMBER 5, 2001

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

IMAGE ---
X-REF ---
OFFICE Atlanta, GA
DRAWING NUMBER AS4158-FIG2-5



LEGEND

- BUILDING
- VES WELL SCREEN
- SD — STORM DRAIN LINE
- S — STEAM LINE
- SS — SANITARY SEWER
- W — WATERLINE W/VALVE
- P — POWER LINE W/POLE
- UP — UNDERGROUND POWER LINE
- FH — FIRE HYDRANT
- MH — MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- (11.72) GROUNDWATER ELEVATION (FT, BGS)
- GROUNDWATER CONTOUR (FT, BGS)
- GROUNDWATER FLOW
- (NM) NOT MEASURED
- FORMER UST LOCATION

GROUNDWATER ELEVATIONS
APRIL 15, 2002

SURVEY NOTES:
1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
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

PROJECT NO. 845823

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
RBK	JEL	RBK	

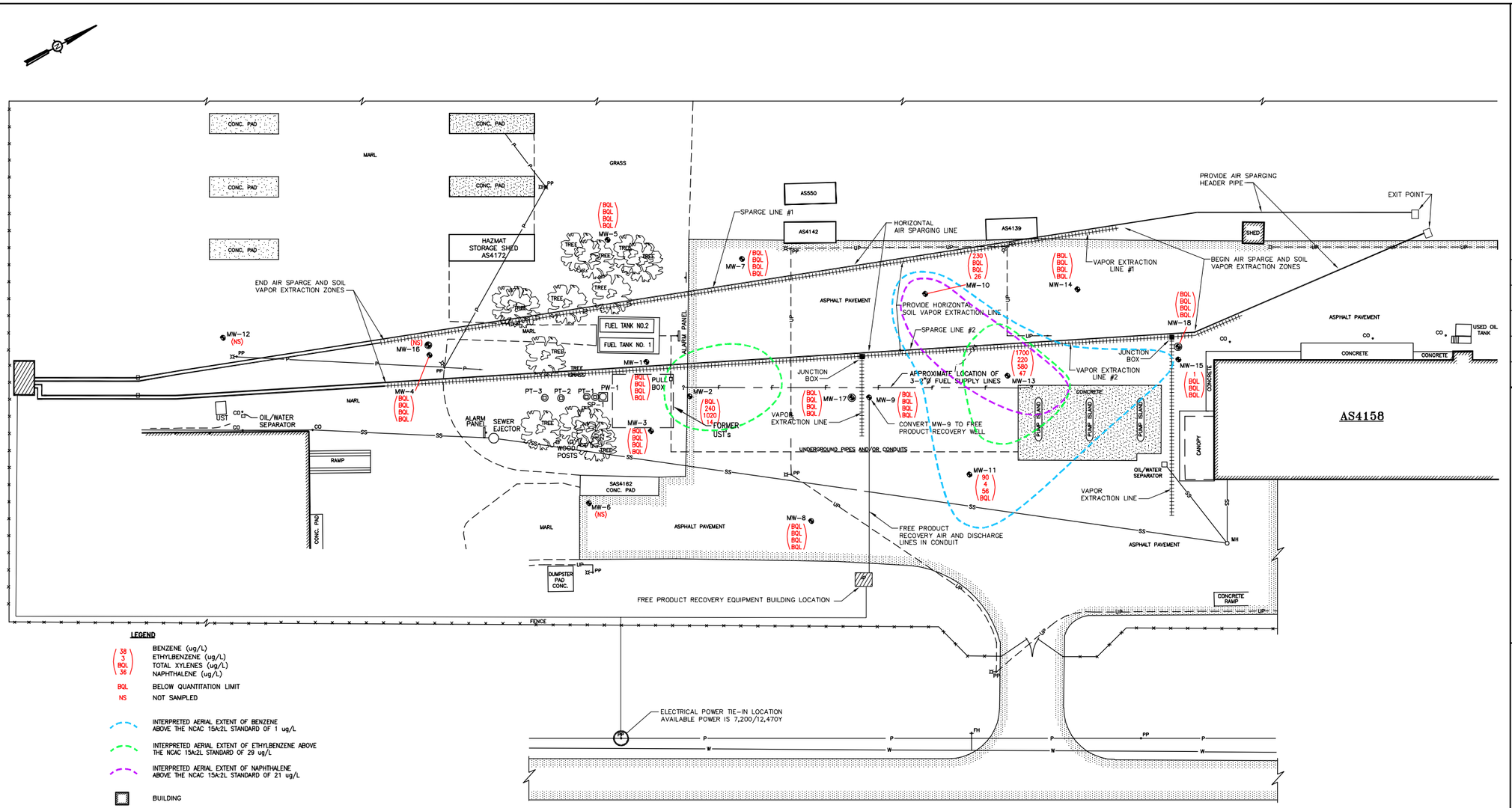
Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA
GROUNDWATER ELEVATION CONTOUR MAP
TYPE II WELLS - APRIL 15, 2002

SCALE:	SIZE:
AS SHOWN	D

DELIVERY ORDER NO. 0011
CONSTR. CONTRACT NO. N62470-02-D-3260
NAVFAC DRAWING NO. ?
SHEET I.D. 2-5

IMAGE ---
X-REF ---
OFFICE Atlanta, GA
DRAWING NUMBER AS4158-FIG3-2



LEGEND

- (38 / 3 / BQL / 36) BENZENE (ug/L), ETHYLBENZENE (ug/L), TOTAL XYLENES (ug/L), NAPHTHALENE (ug/L)
- BQL BELOW QUANTITATION LIMIT
- NS NOT SAMPLED
- INTERPRETED AERIAL EXTENT OF BENZENE ABOVE THE NCAC 15A:2L STANDARD OF 1 ug/L
- INTERPRETED AERIAL EXTENT OF ETHYLBENZENE ABOVE THE NCAC 15A:2L STANDARD OF 29 ug/L
- INTERPRETED AERIAL EXTENT OF NAPHTHALENE ABOVE THE NCAC 15A:2L STANDARD OF 21 ug/L
- BUILDING
- VES WELL SCREEN
- SD STORM DRAIN LINE
- S STEAM LINE
- SS SANITARY SEWER
- W WATERLINE W/VALVE
- P POWER LINE W/POLE
- UP UNDERGROUND POWER LINE
- FH FIRE HYDRANT
- MH MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION

REFERENCE: J. A. JONES MONITORING REPORT.

DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
MARCH 27, 1998

SURVEY NOTES:
1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
SCALE IN FEET

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS

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

Shaw Environmental, Inc.

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
RBK	JEL	RBK	

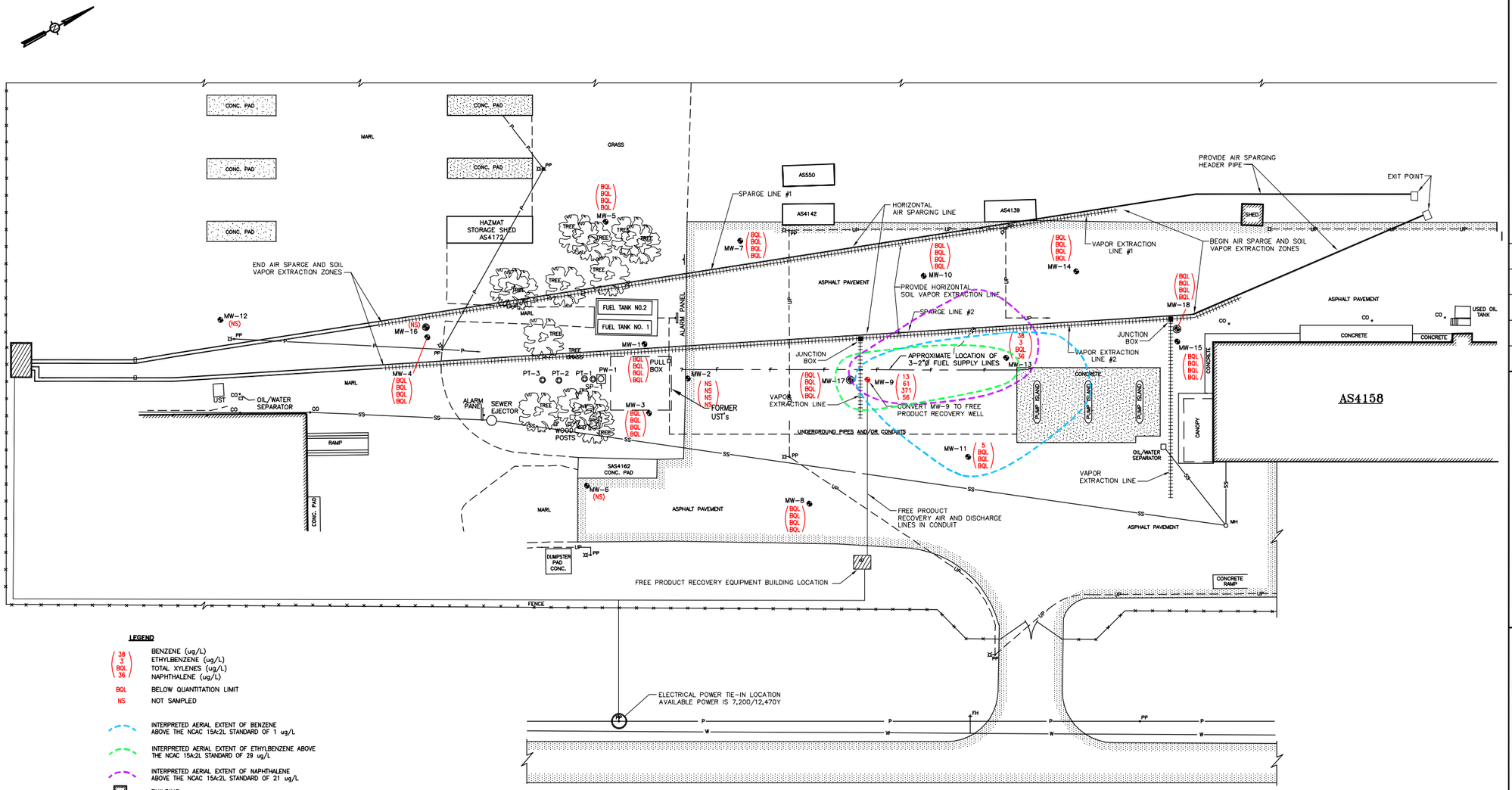
PROJECT NO. 845823

DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA
DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
MARCH 27, 1998

SCALE:	SIZE:
AS SHOWN	D

DELIVERY ORDER NO. 0011
CONSTR. CONTRACT NO. N62470-02-D-3260
NAVFAC DRAWING NO. ?
SHEET I.D. 3-1

IMAGE | X-REF | OFFICE | DRAWING NUMBER
--- | --- | Atlanta, GA | AS4158-FIG3-2



LEGEND

- (38 / 3 / BQL / 36) BENZENE (ug/L), ETHYLBENZENE (ug/L), TOTAL XYLENES (ug/L), NAPHTHALENE (ug/L)
- BQL BELOW QUANTITATION LIMIT
- NS NOT SAMPLED
- INTERPRETED AERIAL EXTENT OF BENZENE ABOVE THE NCAC 15A:2L STANDARD OF 1 ug/L
- INTERPRETED AERIAL EXTENT OF ETHYLBENZENE ABOVE THE NCAC 15A:2L STANDARD OF 29 ug/L
- INTERPRETED AERIAL EXTENT OF NAPHTHALENE ABOVE THE NCAC 15A:2L STANDARD OF 21 ug/L
- BUILDING
- VES WELL SCREEN
- SD STORM DRAIN LINE
- S STEAM LINE
- SS SANITARY SEWER
- W WATERLINE W/VALVE
- P POWER LINE W/POLE
- UP UNDERGROUND POWER LINE
- FH FIRE HYDRANT
- MH MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION

DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
APRIL 19, 1999

TYPE II MONITORING WELL

NOTE: MW-9 SAMPLE RESULTS FOR MAY 7, 1999

SURVEY NOTES:
1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
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

PROJECT NO. 845823

DESIGNED BY	DRAWN BY	CHECKED BY	APPROVED BY
RBK	JEL	RBK	

Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA
DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
APRIL 19, 1999

SCALE:	SIZE:
AS SHOWN	D

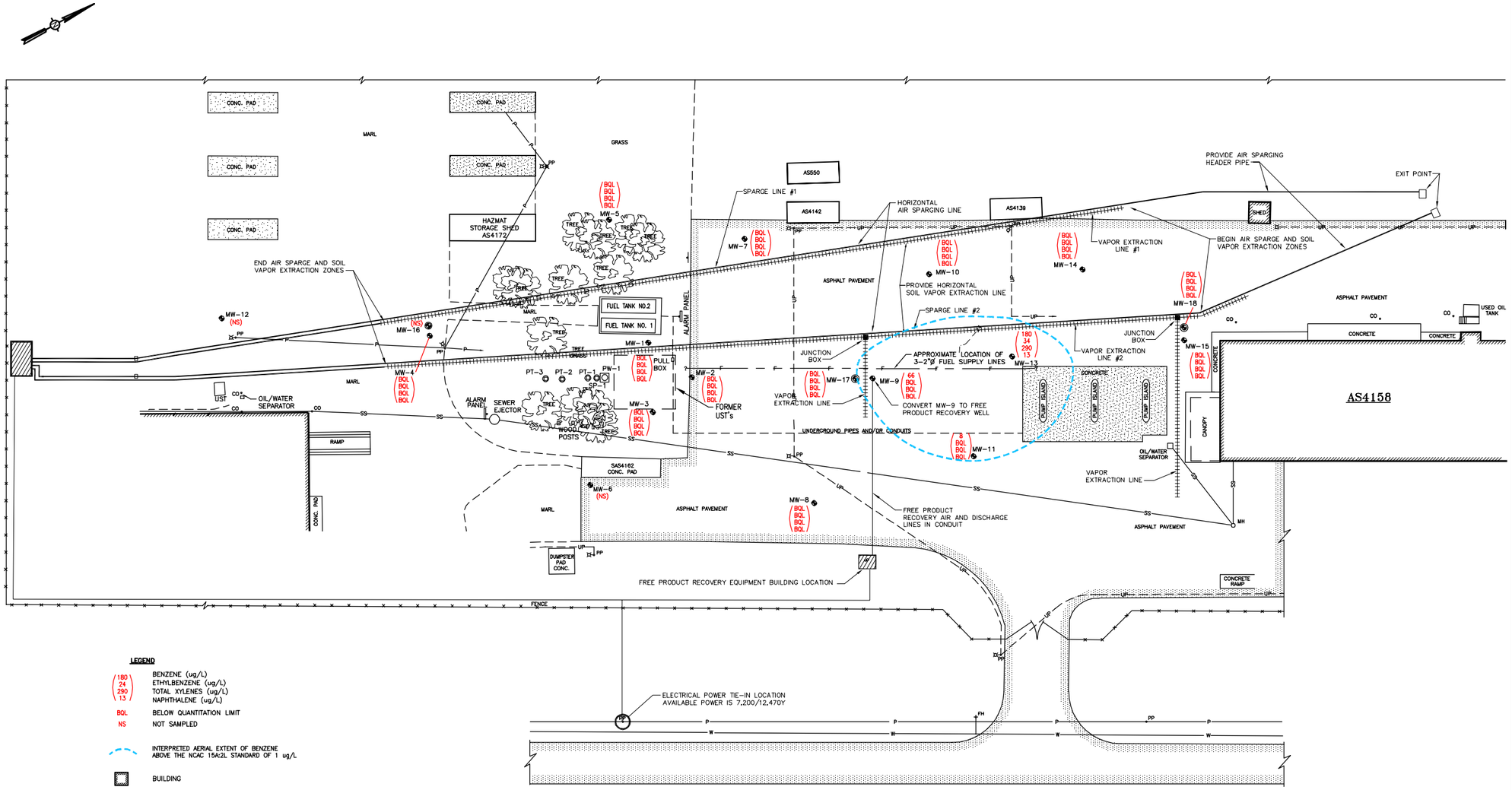
DELIVERY ORDER NO.
0011

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

NAVFAC DRAWING NO.
?

SHEET I.D.
3-2

IMAGE ---
X-REF ---
OFFICE Atlanta, GA
DRAWING NUMBER AS4158-FIG3-3



LEGEND

- (180 / 24 / 290 / 13) BENZENE (ug/L) / ETHYLBENZENE (ug/L) / TOTAL XYLENES (ug/L) / NAPHTHALENE (ug/L)
- BQL BELOW QUANTITATION LIMIT
- NS NOT SAMPLED
- INTERPRETED AERIAL EXTENT OF BENZENE ABOVE THE NCAC 15A:2L STANDARD OF 1 ug/L
- BUILDING
- VES WELL SCREEN
- SD STORM DRAIN LINE
- S STEAM LINE
- SS SANITARY SEWER
- W WATERLINE W/VALVE
- P POWER LINE W/POLE
- UP UNDERGROUND POWER LINE
- FH FIRE HYDRANT
- MH MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION

DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
APRIL 25, 2000

SURVEY NOTES:
1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	ø120 NAIL
5.	4504.84	4706.91	22.44	ø120 NAIL

0 30 60
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

CHECKED BY	RBK
APPROVED BY	
DESIGNED BY	RBK
DRAWN BY	JEL

Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA
DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
APRIL 25, 2000

SCALE:	SIZE:
AS SHOWN	D

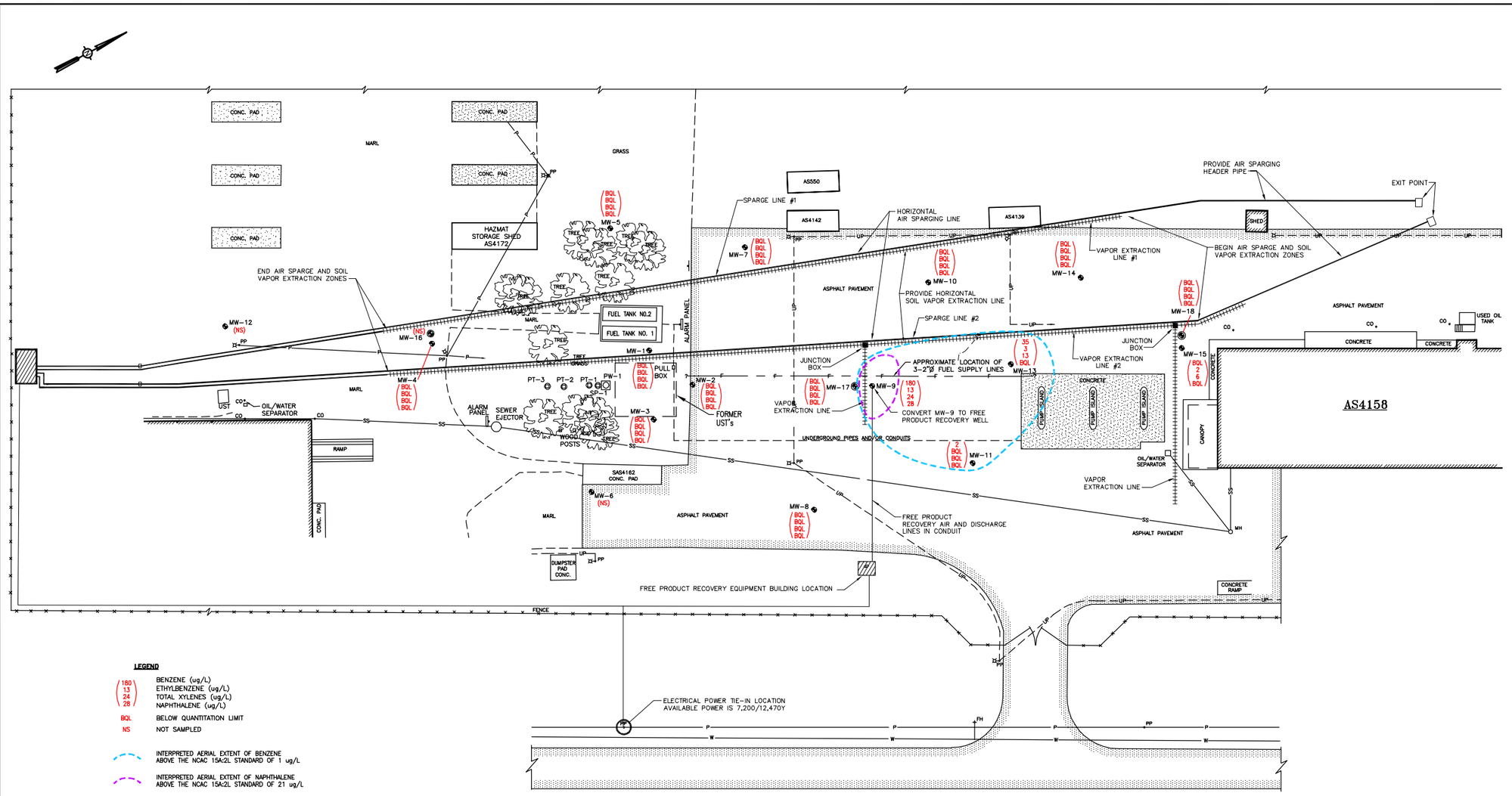
DELIVERY ORDER NO.
0011

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

NAVFAC DRAWING NO.
?

SHEET I.D.
3-3

IMAGE ---
X-REF ---
OFFICE Atlanta, GA
DRAWING NUMBER AS4158-FIG3-4



LEGEND

- (180 / 13 / 24 / 28) BENZENE (ug/L) / ETHYLBENZENE (ug/L) / TOTAL XYLENES (ug/L) / NAPHTHALENE (ug/L)
- BQL BELOW QUANTITATION LIMIT
- NS NOT SAMPLED
- INTERPRETED AERIAL EXTENT OF BENZENE ABOVE THE NCAC 15A:2L STANDARD OF 1 ug/L
- INTERPRETED AERIAL EXTENT OF NAPHTHALENE ABOVE THE NCAC 15A:2L STANDARD OF 21 ug/L
- BUILDING
- VES WELL SCREEN
- SD STORM DRAIN LINE
- S STEAM LINE
- SS SANITARY SEWER
- W WATERLINE W/VALVE
- PP P POWER LINE W/POLE
- UP UNDERGROUND POWER LINE
- FH FIRE HYDRANT
- MH MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION

REFERENCE: J. A. JONES MONITORING REPORT.

DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
APRIL 17, 2001

SURVEY NOTES:

1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
SCALE IN FEET

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS

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

PROJECT NO. 845823

CHECKED BY	RBK
APPROVED BY	

Shaw Environmental, Inc.

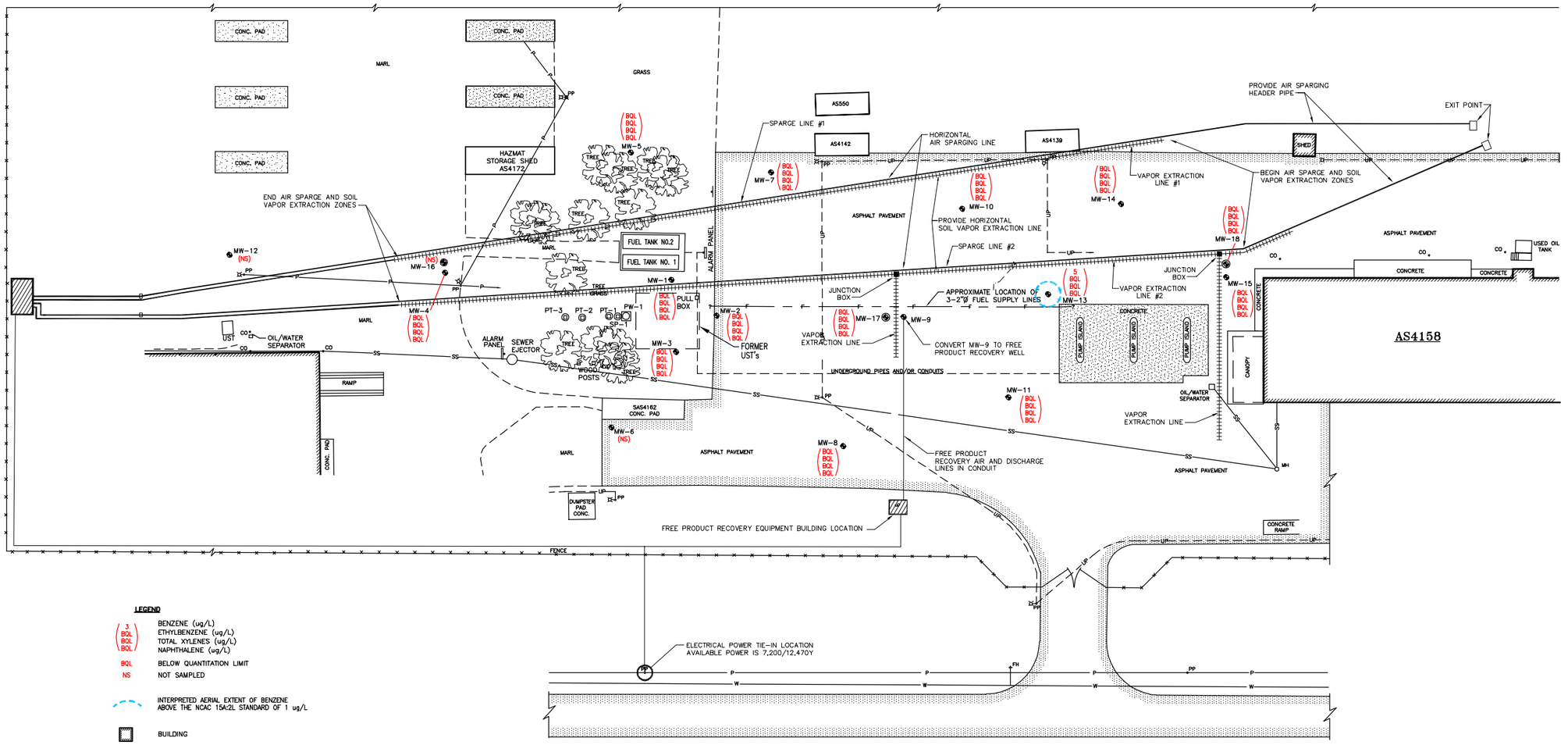
DESIGNED BY	RBK
DRAWN BY	JEL

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA
DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
APRIL 17, 2001

SCALE:	SIZE:
AS SHOWN	D

DELIVERY ORDER NO. 0011
CONSTR. CONTRACT NO. N62470-02-D-3260
NAVFAC DRAWING NO. ?
SHEET I.D. 3-4

IMAGE ---
X-REF ---
OFFICE Atlanta, GA
DRAWING NUMBER AS4158-FIG3-5



LEGEND

- 3 BQL BQL BQL — BENZENE (ug/L), ETHYLBENZENE (ug/L), TOTAL XYLENES (ug/L), NAPHTHALENE (ug/L)
- BQL — BELOW QUANTITATION LIMIT
- NS — NOT SAMPLED
- INTERPRETED AERIAL EXTENT OF BENZENE ABOVE THE NCAC 15A:2L STANDARD OF 1 ug/L
- BUILDING
- VES WELL SCREEN
- SD — STORM DRAIN LINE
- S — STEAM LINE
- SS — SANITARY SEWER
- W — WATERLINE W/VALVE
- P — POWER LINE W/POLE
- UP — UNDERGROUND POWER LINE
- FH — FIRE HYDRANT
- MH — MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION

DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
APRIL 15, 2002

SURVEY NOTES:
1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
SCALE IN FEET

REFERENCE: J. A. JONES MONITORING REPORT.

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS

REV	DATE	BY	CHK'D APRV'D	DESCRIPTION/ISSUE

PROJECT NO. 845823

CHECKED BY	RBK
APPROVED BY	
DESIGNED BY	RBK
DRAWN BY	JEL

Shaw Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY
NAVAL STATION
NAVAL FACILITIES ENGINEERING COMMAND
ATLANTIC DIVISION
NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA

DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
APRIL 15, 2002

SCALE:	SIZE:
AS SHOWN	D

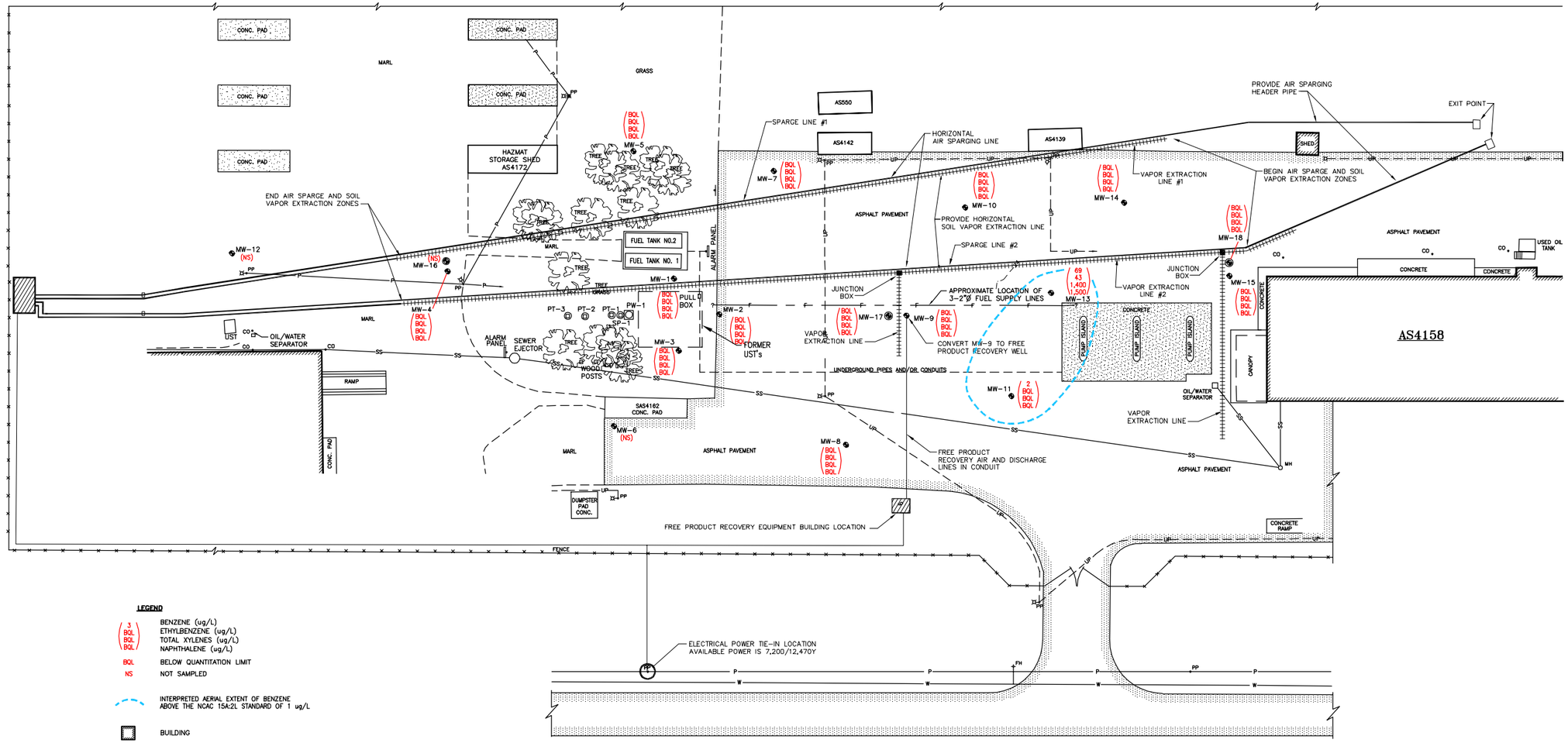
DELIVERY ORDER NO.
0011

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

NAVFAC DRAWING NO.
?

SHEET I.D.
3-5

IMAGE ---- | X-REF ---- | OFFICE *Atlanta, GA* | DRAWING NUMBER AS4158-FIG3-5



LEGEND

- (3 / BQL / BQL / BQL) BENZENE (ug/L) / ETHYLBENZENE (ug/L) / TOTAL XYLENES (ug/L) / NAPHTHALENE (ug/L)
- BQL BELOW QUANTITATION LIMIT
- NS NOT SAMPLED
- INTERPRETED AERIAL EXTENT OF BENZENE ABOVE THE NCAC 15A:2L STANDARD OF 1 ug/L
- BUILDING
- VES WELL SCREEN
- SD STORM DRAIN LINE
- S STEAM LINE
- SS SANITARY SEWER
- W WATERLINE W/VALVE
- P POWER LINE W/POLE
- UP UNDERGROUND POWER LINE
- FIRE HYDRANT
- MANHOLE
- POWER TRANSFORMER
- AREA LIGHT
- TYPE II MONITORING WELL
- TYPE III MONITORING WELL
- HYDROPUNCH
- BORING
- PUMPING WELL
- PILOT TEST WELL
- FORMER UST LOCATION

REFERENCE: J. A. JONES MONITORING REPORT.

DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
JANUARY 14, 2003

SURVEY NOTES:

1. VERTICAL DATUM IS BASED ON EXISTING MILITARY CONTROL MONUMENT PW-4 WITH A LISTED ELEVATION OF 21.75 FEET (MSL); NORTH CAROLINA STATE COORDINATES FOR PW-4 ARE 352,078.63(M) NORTH AND 2,463,421.81(M) EAST. STATION PW-4 IS A 2" BRASS DISK SET IN 10" DIAMETER CONCRETE FLUSH WITH THE GROUND. THE STATION IS LOCATED AT THE SOUTHWEST CORNER OF THE INTERSECTION OF PERIMETER ROAD AND THE OLD RAILROAD BED, 35.0 FEET SOUTH OF THE EDGE OF PERIMETER ROAD AND 20.0 FEET WEST OF THE EDGE OF THE OLD RAILROAD BED.
2. SURVEY CONTROL POINTS ARE BASED ON AN ASSUMED DATUM AND MAGNETIC NORTH. THE COORDINATES AND THEIR RESPECTIVE ELEVATIONS ARE AS FOLLOWS:

POINT	NORTH	EAST	ELEVATION (MSL)	DESCRIPTION
1.	5000.00	5000.00	23.93	Pk NAIL
2.	4837.34	4906.09	23.98	Pk NAIL
3.	4722.30	4839.67	23.35	Pk NAIL
4.	4634.21	4788.81	22.75	#120 NAIL
5.	4504.84	4706.91	22.44	#120 NAIL

0 30 60
SCALE IN FEET

PLOT DATE: 10/06/03
FORMAT REVISION

REVISIONS

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

PROJECT NO. 845823

CHECKED BY	RBK
APPROVED BY	
DESIGNED BY	RBK
DRAWN BY	JEL

Shaw Shaw Environmental, Inc.

DEPARTMENT OF THE NAVY
NAVAL FACILITIES ENGINEERING COMMAND
NAVAL STATION ATLANTIC DIVISION NORFOLK, VIRGINIA
ANNUAL MONITORING REPORT
BUILDING AS4158
CAMP GEIGER, NORTH CAROLINA
DISSOLVED GROUNDWATER CONTAMINANT ISOPLETH MAP
JANUARY 14, 2003

SCALE:	SIZE:
AS SHOWN	D

DELIVERY ORDER NO.
0011

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

NAVFAC DRAWING NO.
?

SHEET I.D.
3-6

APPENDIX A

GROUNDWATER SAMPLES - LABORATORY ANALYTICAL REPORTS

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61171
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.2	62
Nitrobenzene-d5	10	6.3	63
4-Terphenyl-d14	10	4.1	41

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: WM

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61172
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
Nitrobenzene-d5	10	7.1	71
4-Terphenyl-d14	10	5.7	57

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW09-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61173
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/25/2003
Analyzed By: MRC
Dilution: 10

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	100	**300**
Acenaphthylene	100	BQL
Anthracene	100	BQL
Benzo[a]anthracene	100	BQL
Benzo[a]pyrene	100	BQL
Benzo[b]fluoranthene	100	BQL
Benzo[g,h,i]perylene	100	BQL
Benzo[k]fluoranthene	100	BQL
Chrysene	100	BQL
Dibenzo[a,h]anthracene	100	BQL
Fluoranthene	100	**180**
Fluorene	100	BQL
Indeno(1,2,3-c,d)pyrene	100	BQL
1-Methylnaphthalene	100	**3000**
2-Methylnaphthalene	100	**3800**
Naphthalene	100	**1500**
Phenanthrene	100	**1300**
Pyrene	100	**200**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	NA	NA
Nitrobenzene-d5	10	NA	NA
4-Terphenyl-d14	10	NA	NA

Comments:

Results are corrected for %solids and dilution where applicable.

Flags: NA = Not applicable, surrogates diluted out.
BQL = Below Quantitation Limit.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61174
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.4	74
Nitrobenzene-d5	10	7.3	73
4-Terphenyl-d14	10	4.7	47

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MR

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61175
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.4	74
Nitrobenzene-d5	10	7.4	74
4-Terphenyl-d14	10	7.5	75

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61176
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
Nitrobenzene-d5	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: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61177
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
Nitrobenzene-d5	10	7.8	78
4-Terphenyl-d14	10	7.8	78

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61178
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.2	72
Nitrobenzene-d5	10	6.7	67
4-Terphenyl-d14	10	5.2	52

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61179
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	10	7.1	71
4-Terphenyl-d14	10	8.7	87

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61180
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.6	66
Nitrobenzene-d5	10	6.1	61
4-Terphenyl-d14	10	5.6	56

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MW

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61181
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
Nitrobenzene-d5	10	6.9	69
4-Terphenyl-d14	10	8.5	85

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MR

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW01-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61182
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.3	53
Nitrobenzene-d5	10	7.2	72
4-Terphenyl-d14	10	2.0	20

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MW

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW03-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61183
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.1	71
Nitrobenzene-d5	10	6.6	66
4-Terphenyl-d14	10	7.1	71

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW05-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61184
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.1	71
Nitrobenzene-d5	10	6.8	68
4-Terphenyl-d14	10	6.5	65

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MR

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW07-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61185
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
Nitrobenzene-d5	10	7.0	70
4-Terphenyl-d14	10	4.0	40

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MW

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-EQ-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61186
Lab Project ID: G182-816
Matrix: Water

Date Collected: 1/14/2003
Date Received: 1/15/2003
Date Analyzed: 1/23/2003
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.7	67
Nitrobenzene-d5	10	6.2	62
4-Terphenyl-d14	10	8.1	81

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MC

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW04-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61171
Lab Project ID: G182-816

Analyzed By: JTF
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/17/03	1	1	BQL
Chlorobenzene	1/17/03	1	1	BQL
1,2-Dichlorobenzene	1/17/03	1	2	BQL
1,3-Dichlorobenzene	1/17/03	1	2	BQL
1,4-Dichlorobenzene	1/17/03	1	2	BQL
Ethylbenzene	1/17/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/17/03	1	2	BQL
Toluene	1/17/03	1	1	BQL
m/p-Xylene	1/17/03	1	2	BQL
o-Xylene	1/17/03	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: MA

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW08-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61172
Lab Project ID: G182-816

Analyzed By: JTF
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/17/03	1	1	BQL
Chlorobenzene	1/17/03	1	1	BQL
1,2-Dichlorobenzene	1/17/03	1	2	BQL
1,3-Dichlorobenzene	1/17/03	1	2	BQL
1,4-Dichlorobenzene	1/17/03	1	2	BQL
Ethylbenzene	1/17/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/17/03	1	2	BQL
Toluene	1/17/03	1	1	BQL
m/p-Xylene	1/17/03	1	2	BQL
o-Xylene	1/17/03	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, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW09-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61173
Lab Project ID: G182-816

Analyzed By: JTF
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/18/03	4	4	**69**
Chlorobenzene	1/18/03	4	4	BQL
1,2-Dichlorobenzene	1/18/03	4	8	BQL
1,3-Dichlorobenzene	1/18/03	4	8	BQL
1,4-Dichlorobenzene	1/18/03	4	8	BQL
Ethylbenzene	1/18/03	4	4	**43**
Methyl-tert-butyl ether (MTBE)	1/18/03	4	8	**13**
Toluene	1/18/03	4	4	**66**
m/p-Xylene	1/18/03	4	8	**210**
o-Xylene	1/18/03	4	8	**190**

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, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW10-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61174
Lab Project ID: G182-816

Analyzed By: JTF
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/17/03	1	1	BQL
Chlorobenzene	1/17/03	1	1	BQL
1,2-Dichlorobenzene	1/17/03	1	2	BQL
1,3-Dichlorobenzene	1/17/03	1	2	BQL
1,4-Dichlorobenzene	1/17/03	1	2	BQL
Ethylbenzene	1/17/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/17/03	1	2	BQL
Toluene	1/17/03	1	1	BQL
m/p-Xylene	1/17/03	1	2	BQL
o-Xylene	1/17/03	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: USTAS4158-MW11-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61175
Lab Project ID: G182-816

Analyzed By: JTF
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	1/18/03	1	1		2
Chlorobenzene	1/18/03	1	1	BQL	
1,2-Dichlorobenzene	1/18/03	1	2	BQL	
1,3-Dichlorobenzene	1/18/03	1	2	BQL	
1,4-Dichlorobenzene	1/18/03	1	2	BQL	
Ethylbenzene	1/18/03	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	1/18/03	1	2		9
Toluene	1/18/03	1	1	BQL	
m/p-Xylene	1/18/03	1	2	BQL	
o-Xylene	1/18/03	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: WM

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW13-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61176
Lab Project ID: G182-816

Analyzed By: JTF
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/18/03	1	1	BQL
Chlorobenzene	1/18/03	1	1	BQL
1,2-Dichlorobenzene	1/18/03	1	2	BQL
1,3-Dichlorobenzene	1/18/03	1	2	BQL
1,4-Dichlorobenzene	1/18/03	1	2	BQL
Ethylbenzene	1/18/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/18/03	1	2	**26**
Toluene	1/18/03	1	1	BQL
m/p-Xylene	1/18/03	1	2	BQL
o-Xylene	1/18/03	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: MR

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW14-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61177
Lab Project ID: G182-816

Analyzed By: JTF
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/18/03	1	1	BQL
Chlorobenzene	1/18/03	1	1	BQL
1,2-Dichlorobenzene	1/18/03	1	2	BQL
1,3-Dichlorobenzene	1/18/03	1	2	BQL
1,4-Dichlorobenzene	1/18/03	1	2	BQL
Ethylbenzene	1/18/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/18/03	1	2	BQL
Toluene	1/18/03	1	1	BQL
m/p-Xylene	1/18/03	1	2	BQL
o-Xylene	1/18/03	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: MO

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW15-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61178
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/03	1	1	BQL
Chlorobenzene	1/20/03	1	1	BQL
1,2-Dichlorobenzene	1/20/03	1	2	BQL
1,3-Dichlorobenzene	1/20/03	1	2	BQL
1,4-Dichlorobenzene	1/20/03	1	2	BQL
Ethylbenzene	1/20/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/03	1	2	BQL
Toluene	1/20/03	1	1	BQL
m/p-Xylene	1/20/03	1	2	BQL
o-Xylene	1/20/03	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.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW17-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61179
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/03	1	1	BQL
Chlorobenzene	1/20/03	1	1	BQL
1,2-Dichlorobenzene	1/20/03	1	2	BQL
1,3-Dichlorobenzene	1/20/03	1	2	BQL
1,4-Dichlorobenzene	1/20/03	1	2	BQL
Ethylbenzene	1/20/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/03	1	2	5
Toluene	1/20/03	1	1	BQL
m/p-Xylene	1/20/03	1	2	BQL
o-Xylene	1/20/03	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: MW

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-DUP1-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61180
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/03	1	1	BQL
Chlorobenzene	1/20/03	1	1	BQL
1,2-Dichlorobenzene	1/20/03	1	2	BQL
1,3-Dichlorobenzene	1/20/03	1	2	BQL
1,4-Dichlorobenzene	1/20/03	1	2	BQL
Ethylbenzene	1/20/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/03	1	2	BQL
Toluene	1/20/03	1	1	BQL
m/p-Xylene	1/20/03	1	2	BQL
o-Xylene	1/20/03	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: WM

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-DUP2-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61181
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/03	1	1	BQL
Chlorobenzene	1/20/03	1	1	BQL
1,2-Dichlorobenzene	1/20/03	1	2	BQL
1,3-Dichlorobenzene	1/20/03	1	2	BQL
1,4-Dichlorobenzene	1/20/03	1	2	BQL
Ethylbenzene	1/20/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/03	1	2	5
Toluene	1/20/03	1	1	BQL
m/p-Xylene	1/20/03	1	2	BQL
o-Xylene	1/20/03	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: JWA

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW01-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61182
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/03	1	1	BQL
Chlorobenzene	1/20/03	1	1	BQL
1,2-Dichlorobenzene	1/20/03	1	2	BQL
1,3-Dichlorobenzene	1/20/03	1	2	BQL
1,4-Dichlorobenzene	1/20/03	1	2	BQL
Ethylbenzene	1/20/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/03	1	2	BQL
Toluene	1/20/03	1	1	BQL
m/p-Xylene	1/20/03	1	2	BQL
o-Xylene	1/20/03	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: MA

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW03-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61183
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/03	1	1	BQL
Chlorobenzene	1/20/03	1	1	BQL
1,2-Dichlorobenzene	1/20/03	1	2	BQL
1,3-Dichlorobenzene	1/20/03	1	2	BQL
1,4-Dichlorobenzene	1/20/03	1	2	BQL
Ethylbenzene	1/20/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/03	1	2	BQL
Toluene	1/20/03	1	1	BQL
m/p-Xylene	1/20/03	1	2	BQL
o-Xylene	1/20/03	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: MA

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW05-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61184
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/03	1	1	BQL
Chlorobenzene	1/21/03	1	1	BQL
1,2-Dichlorobenzene	1/21/03	1	2	BQL
1,3-Dichlorobenzene	1/21/03	1	2	BQL
1,4-Dichlorobenzene	1/21/03	1	2	BQL
Ethylbenzene	1/21/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/03	1	2	BQL
Toluene	1/21/03	1	1	BQL
m/p-Xylene	1/21/03	1	2	BQL
o-Xylene	1/21/03	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: MA

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW07-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61185
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/03	1	1	BQL
Chlorobenzene	1/21/03	1	1	BQL
1,2-Dichlorobenzene	1/21/03	1	2	BQL
1,3-Dichlorobenzene	1/21/03	1	2	BQL
1,4-Dichlorobenzene	1/21/03	1	2	BQL
Ethylbenzene	1/21/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/03	1	2	BQL
Toluene	1/21/03	1	1	BQL
m/p-Xylene	1/21/03	1	2	BQL
o-Xylene	1/21/03	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: MW

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-EQ-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61186
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/03	1	1	BQL
Chlorobenzene	1/20/03	1	1	BQL
1,2-Dichlorobenzene	1/20/03	1	2	BQL
1,3-Dichlorobenzene	1/20/03	1	2	BQL
1,4-Dichlorobenzene	1/20/03	1	2	BQL
Ethylbenzene	1/20/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/03	1	2	BQL
Toluene	1/20/03	1	1	BQL
m/p-Xylene	1/20/03	1	2	BQL
o-Xylene	1/20/03	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: MA

PARADIGM ANALYTICAL LABORATORIES, INC.

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-TRIP-03A
Client Project ID: BLDG AS4158
Lab Sample ID: 61187
Lab Project ID: G182-816

Analyzed By: DCS
Date Collected: 01/14/03
Date Received: 01/15/03
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/03	1	1	BQL
Chlorobenzene	1/20/03	1	1	BQL
1,2-Dichlorobenzene	1/20/03	1	2	BQL
1,3-Dichlorobenzene	1/20/03	1	2	BQL
1,4-Dichlorobenzene	1/20/03	1	2	BQL
Ethylbenzene	1/20/03	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/03	1	2	BQL
Toluene	1/20/03	1	1	BQL
m/p-Xylene	1/20/03	1	2	BQL
o-Xylene	1/20/03	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]

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: BLDG AS4158
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date: 1/14/03
Turnaround: STANDARD
Job Number: T.O. 67D
Page 1 OF 2

Report To: Tracy Thrift

Invoice To: T.O. 67D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						0182-816
USTAS4158-MW04-03A	1/14/03	0950	GW	3		1		X	X						
USTAS4158-MW08-03A	1/14/03	1315	GW	3		1		X	X						EDD
USTAS4158-MW09-03A	1/14/03	1405	GW	3		1		X	X						Send To:
USTAS4158-MW10-03A	1/14/03	1120	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW11-03A	1/14/03	1250	GW	3		1		X	X						Copy To:
USTAS4158-MW13-03A	1/14/03	1230	GW	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-MW14-03A	1/14/03	1145	GW	3		1		X	X						
USTAS4158-MW15-03A	1/14/03	1210	GW	3		1		X	X						
USTAS4158-MW17-03A	1/14/03	1340	GW	3		1		X	X						
USTAS4158-DUP1-03A	1/14/03	—	GW	3		1		X	X						
USTAS4158-DUP2-03A	1/14/03	—	GW	3		1		X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	1/14/03	1600		1/15	1000	5.1°C		
						0.3, 0.5°C		

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:**	BLDG AS4158	**Date:** 1/14/03	**Report To:** Tracy Thrift
Address:	8936 Western Way	**P.O Number:**		**Turnaround:** STANDARD	
Address:	Suite 10	**Contact :**	Tracy Thrift	**Job Number:** T.O. 67D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page 2 OF 2**	**Invoice To:** T.O. 67D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
03A				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						6182-516
USTAS4158-MW01-02	1/14/03	1020	GW	3		1		X	X						
~~USTAS4158-MW02-02~~			~~GW~~	3		1		X	X						EDD
USTAS4158-MW03-02D	1/14/03	1035	GW	3		1		X	X						Send To:
USTAS4158-MW05-02D	1/14/03	1005	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW07-02D	1/14/03	1100	GW	3		1		X	X						Copy To:
USTAS4158-EQ-02D	1/14/03	1530	W	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-TRIP-02D	1/14/03	1600	W	2				X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	~~1/14/03~~	1600		1/15/03	10:06	5.1C	ELLERMAN	
	1/14/03					0.3/0.5C		

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW04-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55276
Lab Project ID: G182-804

Analyzed By: JTF
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/1/02	1	1	BQL
Chlorobenzene	11/1/02	1	1	BQL
1,2-Dichlorobenzene	11/1/02	1	2	BQL
1,3-Dichlorobenzene	11/1/02	1	2	BQL
1,4-Dichlorobenzene	11/1/02	1	2	BQL
Ethylbenzene	11/1/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/1/02	1	2	BQL
Toluene	11/1/02	1	1	BQL
m/p-Xylene	11/1/02	1	2	BQL
o-Xylene	11/1/02	1	2	BQL

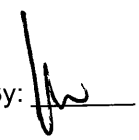
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW08-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55277
Lab Project ID: G182-804

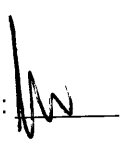
Analyzed By: JTF
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/1/02	1	1	BQL
Chlorobenzene	11/1/02	1	1	BQL
1,2-Dichlorobenzene	11/1/02	1	2	BQL
1,3-Dichlorobenzene	11/1/02	1	2	BQL
1,4-Dichlorobenzene	11/1/02	1	2	BQL
Ethylbenzene	11/1/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/1/02	1	2	BQL
Toluene	11/1/02	1	1	BQL
m/p-Xylene	11/1/02	1	2	BQL
o-Xylene	11/1/02	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: USTAS4158-MW09-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55278
Lab Project ID: G182-804

Analyzed By: JTF
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/1/02	2	2	**19**
Chlorobenzene	11/1/02	2	2	BQL
1,2-Dichlorobenzene	11/1/02	2	4	BQL
1,3-Dichlorobenzene	11/1/02	2	4	BQL
1,4-Dichlorobenzene	11/1/02	2	4	BQL
Ethylbenzene	11/1/02	2	2	**10**
Methyl-tert-butyl ether (MTBE)	11/1/02	2	4	**17**
Toluene	11/1/02	2	2	BQL
m/p-Xylene	11/1/02	2	4	**36**
o-Xylene	11/1/02	2	4	**120**

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: USTAS4158-MW10-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55279
Lab Project ID: G182-804

Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/31/02	1	1	BQL
Chlorobenzene	10/31/02	1	1	BQL
1,2-Dichlorobenzene	10/31/02	1	2	BQL
1,3-Dichlorobenzene	10/31/02	1	2	BQL
1,4-Dichlorobenzene	10/31/02	1	2	BQL
Ethylbenzene	10/31/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/31/02	1	2	BQL
Toluene	10/31/02	1	1	BQL
m/p-Xylene	10/31/02	1	2	BQL
o-Xylene	10/31/02	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: USTAS4158-MW11-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55280
Lab Project ID: G182-804

Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	10/31/02	1	1		3
Chlorobenzene	10/31/02	1	1	BQL	
1,2-Dichlorobenzene	10/31/02	1	2	BQL	
1,3-Dichlorobenzene	10/31/02	1	2	BQL	
1,4-Dichlorobenzene	10/31/02	1	2	BQL	
Ethylbenzene	10/31/02	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	10/31/02	1	2		7
Toluene	10/31/02	1	1	BQL	
m/p-Xylene	10/31/02	1	2	BQL	
o-Xylene	10/31/02	1	2	BQL	

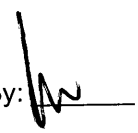
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW13-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55281
Lab Project ID: G182-804

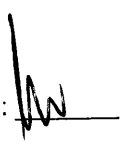
Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/31/02	1	1	BQL
Chlorobenzene	10/31/02	1	1	BQL
1,2-Dichlorobenzene	10/31/02	1	2	BQL
1,3-Dichlorobenzene	10/31/02	1	2	BQL
1,4-Dichlorobenzene	10/31/02	1	2	BQL
Ethylbenzene	10/31/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/31/02	1	2	17
Toluene	10/31/02	1	1	BQL
m/p-Xylene	10/31/02	1	2	BQL
o-Xylene	10/31/02	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: USTAS4158-MW14-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55282
Lab Project ID: G182-804

Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/31/02	1	1	BQL
Chlorobenzene	10/31/02	1	1	BQL
1,2-Dichlorobenzene	10/31/02	1	2	BQL
1,3-Dichlorobenzene	10/31/02	1	2	BQL
1,4-Dichlorobenzene	10/31/02	1	2	BQL
Ethylbenzene	10/31/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/31/02	1	2	BQL
Toluene	10/31/02	1	1	BQL
m/p-Xylene	10/31/02	1	2	BQL
o-Xylene	10/31/02	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: USTAS4158-MW15-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55283
Lab Project ID: G182-804

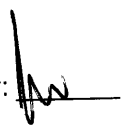
Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/31/02	1	1	BQL
Chlorobenzene	10/31/02	1	1	BQL
1,2-Dichlorobenzene	10/31/02	1	2	BQL
1,3-Dichlorobenzene	10/31/02	1	2	BQL
1,4-Dichlorobenzene	10/31/02	1	2	BQL
Ethylbenzene	10/31/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/31/02	1	2	BQL
Toluene	10/31/02	1	1	BQL
m/p-Xylene	10/31/02	1	2	BQL
o-Xylene	10/31/02	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: USTAS4158-MW17-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55284
Lab Project ID: G182-804

Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	10/31/02	1	1	BQL	
Chlorobenzene	10/31/02	1	1	BQL	
1,2-Dichlorobenzene	10/31/02	1	2	BQL	
1,3-Dichlorobenzene	10/31/02	1	2	BQL	
1,4-Dichlorobenzene	10/31/02	1	2	BQL	
Ethylbenzene	10/31/02	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	10/31/02	1	2		5
Toluene	10/31/02	1	1	BQL	
m/p-Xylene	10/31/02	1	2	BQL	
o-Xylene	10/31/02	1	2	BQL	

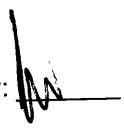
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-DUP1-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55285
Lab Project ID: G182-804

Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/31/02	1	1	BQL
Chlorobenzene	10/31/02	1	1	BQL
1,2-Dichlorobenzene	10/31/02	1	2	BQL
1,3-Dichlorobenzene	10/31/02	1	2	BQL
1,4-Dichlorobenzene	10/31/02	1	2	BQL
Ethylbenzene	10/31/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/31/02	1	2	BQL
Toluene	10/31/02	1	1	BQL
m/p-Xylene	10/31/02	1	2	BQL
o-Xylene	10/31/02	1	2	BQL

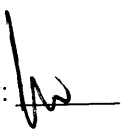
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-DUP2-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55286
Lab Project ID: G182-804

Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/1/02	1	1	BQL
Chlorobenzene	11/1/02	1	1	BQL
1,2-Dichlorobenzene	11/1/02	1	2	BQL
1,3-Dichlorobenzene	11/1/02	1	2	BQL
1,4-Dichlorobenzene	11/1/02	1	2	BQL
Ethylbenzene	11/1/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/1/02	1	2	BQL
Toluene	11/1/02	1	1	BQL
m/p-Xylene	11/1/02	1	2	BQL
o-Xylene	11/1/02	1	2	BQL

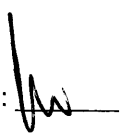
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	104

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW18-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55287
Lab Project ID: G182-804

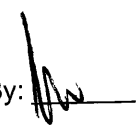
Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/1/02	1	1	BQL
Chlorobenzene	11/1/02	1	1	BQL
1,2-Dichlorobenzene	11/1/02	1	2	BQL
1,3-Dichlorobenzene	11/1/02	1	2	BQL
1,4-Dichlorobenzene	11/1/02	1	2	BQL
Ethylbenzene	11/1/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/1/02	1	2	BQL
Toluene	11/1/02	1	1	BQL
m/p-Xylene	11/1/02	1	2	BQL
o-Xylene	11/1/02	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: USTAS4158-MW03-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55288
Lab Project ID: G182-804

Analyzed By: JTF
Date Collected: 10/22/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/1/02	1	1	BQL
Chlorobenzene	11/1/02	1	1	BQL
1,2-Dichlorobenzene	11/1/02	1	2	BQL
1,3-Dichlorobenzene	11/1/02	1	2	BQL
1,4-Dichlorobenzene	11/1/02	1	2	BQL
Ethylbenzene	11/1/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/1/02	1	2	BQL
Toluene	11/1/02	1	1	BQL
m/p-Xylene	11/1/02	1	2	BQL
o-Xylene	11/1/02	1	2	BQL

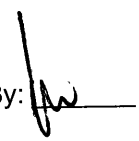
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW05-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55289
Lab Project ID: G182-804

Analyzed By: JTF
Date Collected: 10/22/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/31/02	1	1	BQL
Chlorobenzene	10/31/02	1	1	BQL
1,2-Dichlorobenzene	10/31/02	1	2	BQL
1,3-Dichlorobenzene	10/31/02	1	2	BQL
1,4-Dichlorobenzene	10/31/02	1	2	BQL
Ethylbenzene	10/31/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/31/02	1	2	BQL
Toluene	10/31/02	1	1	BQL
m/p-Xylene	10/31/02	1	2	BQL
o-Xylene	10/31/02	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: USTAS4158-MW07-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55290
Lab Project ID: G182-804

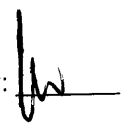
Analyzed By: JTF
Date Collected: 10/22/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/31/02	1	1	BQL
Chlorobenzene	10/31/02	1	1	BQL
1,2-Dichlorobenzene	10/31/02	1	2	BQL
1,3-Dichlorobenzene	10/31/02	1	2	BQL
1,4-Dichlorobenzene	10/31/02	1	2	BQL
Ethylbenzene	10/31/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/31/02	1	2	BQL
Toluene	10/31/02	1	1	BQL
m/p-Xylene	10/31/02	1	2	BQL
o-Xylene	10/31/02	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: USTAS4158-EQ-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55291
Lab Project ID: G182-804

Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	11/1/02	1	1	BQL
Chlorobenzene	11/1/02	1	1	BQL
1,2-Dichlorobenzene	11/1/02	1	2	BQL
1,3-Dichlorobenzene	11/1/02	1	2	BQL
1,4-Dichlorobenzene	11/1/02	1	2	BQL
Ethylbenzene	11/1/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	11/1/02	1	2	BQL
Toluene	11/1/02	1	1	BQL
m/p-Xylene	11/1/02	1	2	BQL
o-Xylene	11/1/02	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: USTAS4158-TRIP-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55292
Lab Project ID: G182-804

Analyzed By: DCS
Date Collected: 10/23/02
Date Received: 10/24/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	11/1/02	1	1	BQL	
Chlorobenzene	11/1/02	1	1	BQL	
1,2-Dichlorobenzene	11/1/02	1	2	BQL	
1,3-Dichlorobenzene	11/1/02	1	2	BQL	
1,4-Dichlorobenzene	11/1/02	1	2	BQL	
Ethylbenzene	11/1/02	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	11/1/02	1	2	BQL	
Toluene	11/1/02	1	1		**2**
m/p-Xylene	11/1/02	1	2	BQL	
o-Xylene	11/1/02	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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55276
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/31/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

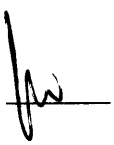
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.1	71
Nitrobenzene-d5	10	6.8	68
4-Terphenyl-d14	10	5.7	57

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55277
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

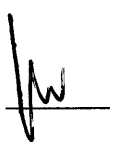
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.4	74
Nitrobenzene-d5	10	8.1	81
4-Terphenyl-d14	10	8.6	86

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW09-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55278
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/31/2002
Analyzed By: MRC
Dilution: 10

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	100	**210**
Acenaphthylene	100	BQL
Anthracene	100	BQL
Benzo[a]anthracene	100	BQL
Benzo[a]pyrene	100	BQL
Benzo[b]fluoranthene	100	BQL
Benzo[g,h,i]perylene	100	BQL
Benzo[k]fluoranthene	100	BQL
Chrysene	100	BQL
Dibenzo[a,h]anthracene	100	BQL
Fluoranthene	100	BQL
Fluorene	100	**400**
Indeno(1,2,3-c,d)pyrene	100	BQL
1-Methylnaphthalene	100	**1600**
2-Methylnaphthalene	100	**2600**
Naphthalene	100	**860**
Phenanthrene	100	**850**
Pyrene	100	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	NA	NA
Nitrobenzene-d5	10	NA	NA
4-Terphenyl-d14	10	NA	NA

Comments:

Results are corrected for %solids and dilution where applicable.

Flags: NA = Not applicable, surrogates diluted out.
BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55279
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

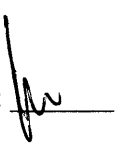
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	10	7.4	74
4-Terphenyl-d14	10	7.0	70

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55280
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

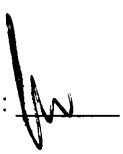
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.0	80
Nitrobenzene-d5	10	8.0	80
4-Terphenyl-d14	10	8.0	80

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55281
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
Nitrobenzene-d5	10	7.8	78
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55282
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
Nitrobenzene-d5	10	7.6	76
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55283
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.7	67
Nitrobenzene-d5	10	6.1	61
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55284
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

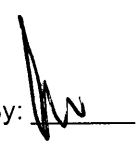
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.8	78
Nitrobenzene-d5	10	7.5	75
4-Terphenyl-d14	10	8.6	86

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55285
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
Nitrobenzene-d5	10	7.6	76
4-Terphenyl-d14	10	6.4	64

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55286
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.7	77
Nitrobenzene-d5	10	7.4	74
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW18-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55287
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.8	78
Nitrobenzene-d5	10	7.3	73
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW03-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55288
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/22/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.6	66
Nitrobenzene-d5	10	6.8	68
4-Terphenyl-d14	10	4.3	43

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW05-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55289
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/22/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

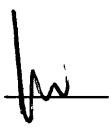
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.0	80
Nitrobenzene-d5	10	8.0	80
4-Terphenyl-d14	10	7.2	72

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW07-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55290
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/22/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.0	80
Nitrobenzene-d5	10	7.6	76
4-Terphenyl-d14	10	4.4	44

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-EQ-02D
Client Project ID: BLDG AS4158
Lab Sample ID: 55291
Lab Project ID: G182-804
Matrix: Water

Date Collected: 10/23/2002
Date Received: 10/24/2002
Date Analyzed: 10/29/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

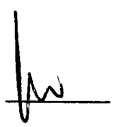
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.5	75
Nitrobenzene-d5	10	7.0	70
4-Terphenyl-d14	10	8.7	87

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	**Project ID:**	BLDG AS4158	**Date:** 10/23/02	**Report To:** Tracy Thrift
Address:	8936 Western Way	**P.O Number:**		**Turnaround:** STANDARD	
Address:	Suite 10	**Contact :**	Tracy Thrift	**Job Number:** T.O. 67D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page 2 OF 2**	**Invoice To:** T.O. 67D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						G182-804
USTAS4158-MW01-02			GW	3		1		X	X						NOT Received 10/24/02 ajm
USTAS4158-MW02-02			GW	3		1		X	X						EDD
~~USTAS4158-MW03-02D~~	~~10/22/02~~	1220	GW	3		1		X	X						Send To:
USTAS4158-MW05-02D	10/22/02	1145	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW07-02D	10/22/02	1335	GW	3		1		X	X						Copy To:
USTAS4158-EQ-02D	10/23/02	1600	W	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-TRIP-02D	10/23/02	1600	W	2				X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Ellerman	10/23/02			10/24/02	09:55	1.3°C, 1.1°C, 0-2	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: BLDG AS4158
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date: 10/23/02
Turnaround: STANDARD
Job Number: T.O. 67D
Page 1 OF 2

Report To: Tracy Thrift

Invoice To: T.O. 67D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						G182-804
USTAS4158-MW04-02D	10/22/02	1130	GW	3		1		X	X						
USTAS4158-MW08-02D	10/23/02	1405	GW	3		1		X	X						EDD
USTAS4158-MW09-02D	10/23/02	1430	GW	3		1		X	X						Send To:
USTAS4158-MW10-02D	10/23/02	1230	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW11-02D	10/23/02	1355	GW	3		1		X	X						Copy To:
USTAS4158-MW13-02D	10/23/02	1345	GW	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-MW14-02D	10/23/02	1320	GW	3		1		X	X						
USTAS4158-MW15-02D	10/23/02	1315	GW	3		1		X	X						
USTAS4158-MW17-02D	10/23/02	1420	GW	3		1		X	X						
USTAS4158-DUP1-02D	10/23/02	—	GW	3		1		X	X						
USTAS4158-DUP2-02D	10/23/02	—	GW	3		1		X	X						
USTAS4158-MW18-02D	10/23/02	1330	GW	3		1		X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	10/23/02	1600		10/24/02	09:55	1.34, 1.1	Theresa	
						0-2°C	Bob	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW04-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48713
Lab Project ID: G182-780

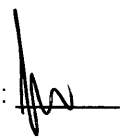
Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/28/02	1	1	BQL
Chlorobenzene	7/28/02	1	1	BQL
1,2-Dichlorobenzene	7/28/02	1	2	BQL
1,3-Dichlorobenzene	7/28/02	1	2	BQL
1,4-Dichlorobenzene	7/28/02	1	2	BQL
Ethylbenzene	7/28/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/28/02	1	2	BQL
Toluene	7/28/02	1	1	BQL
m/p-Xylene	7/28/02	1	2	BQL
o-Xylene	7/28/02	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: USTAS4158-MW08-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48714
Lab Project ID: G182-780

Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/26/02	1	1	BQL
Chlorobenzene	7/26/02	1	1	BQL
1,2-Dichlorobenzene	7/26/02	1	2	BQL
1,3-Dichlorobenzene	7/26/02	1	2	BQL
1,4-Dichlorobenzene	7/26/02	1	2	BQL
Ethylbenzene	7/26/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/26/02	1	2	BQL
Toluene	7/26/02	1	1	BQL
m/p-Xylene	7/26/02	1	2	BQL
o-Xylene	7/26/02	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: USTAS4158-MW10-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48715
Lab Project ID: G182-780

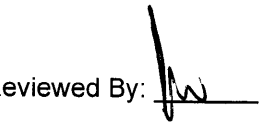
Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/26/02	1	1	BQL
Chlorobenzene	7/26/02	1	1	BQL
1,2-Dichlorobenzene	7/26/02	1	2	BQL
1,3-Dichlorobenzene	7/26/02	1	2	BQL
1,4-Dichlorobenzene	7/26/02	1	2	BQL
Ethylbenzene	7/26/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/26/02	1	2	BQL
Toluene	7/26/02	1	1	BQL
m/p-Xylene	7/26/02	1	2	BQL
o-Xylene	7/26/02	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: USTAS4158-MW11-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48716
Lab Project ID: G182-780

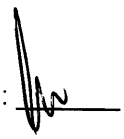
Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/27/02	1	1	3
Chlorobenzene	7/27/02	1	1	BQL
1,2-Dichlorobenzene	7/27/02	1	2	BQL
1,3-Dichlorobenzene	7/27/02	1	2	BQL
1,4-Dichlorobenzene	7/27/02	1	2	BQL
Ethylbenzene	7/27/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2	11
Toluene	7/27/02	1	1	BQL
m/p-Xylene	7/27/02	1	2	BQL
o-Xylene	7/27/02	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: USTAS4158-MW13-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48717
Lab Project ID: G182-780

Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/27/02	1	1	**22**
Chlorobenzene	7/27/02	1	1	BQL
1,2-Dichlorobenzene	7/27/02	1	2	BQL
1,3-Dichlorobenzene	7/27/02	1	2	BQL
1,4-Dichlorobenzene	7/27/02	1	2	BQL
Ethylbenzene	7/27/02	1	1	**3**
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2	**67**
Toluene	7/27/02	1	1	**2**
m/p-Xylene	7/27/02	1	2	**3**
o-Xylene	7/27/02	1	2	**3**

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: USTAS4158-MW14-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48718
Lab Project ID: G182-780

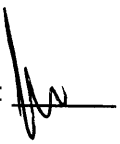
Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/27/02	1	1	BQL
Chlorobenzene	7/27/02	1	1	BQL
1,2-Dichlorobenzene	7/27/02	1	2	BQL
1,3-Dichlorobenzene	7/27/02	1	2	BQL
1,4-Dichlorobenzene	7/27/02	1	2	BQL
Ethylbenzene	7/27/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2	BQL
Toluene	7/27/02	1	1	BQL
m/p-Xylene	7/27/02	1	2	BQL
o-Xylene	7/27/02	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: USTAS4158-MW15-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48719
Lab Project ID: G182-780

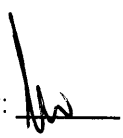
Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/27/02	1	1	BQL
Chlorobenzene	7/27/02	1	1	BQL
1,2-Dichlorobenzene	7/27/02	1	2	BQL
1,3-Dichlorobenzene	7/27/02	1	2	BQL
1,4-Dichlorobenzene	7/27/02	1	2	BQL
Ethylbenzene	7/27/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2	BQL
Toluene	7/27/02	1	1	BQL
m/p-Xylene	7/27/02	1	2	BQL
o-Xylene	7/27/02	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: USTAS4158-MW17-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48720
Lab Project ID: G182-780

Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	7/27/02	1	1	BQL	
Chlorobenzene	7/27/02	1	1	BQL	
1,2-Dichlorobenzene	7/27/02	1	2	BQL	
1,3-Dichlorobenzene	7/27/02	1	2	BQL	
1,4-Dichlorobenzene	7/27/02	1	2	BQL	
Ethylbenzene	7/27/02	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2		9
Toluene	7/27/02	1	1	BQL	
m/p-Xylene	7/27/02	1	2	BQL	
o-Xylene	7/27/02	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: USTAS4158-DUP1-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48721
Lab Project ID: G182-780

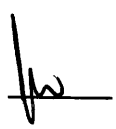
Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/27/02	1	1	BQL
Chlorobenzene	7/27/02	1	1	BQL
1,2-Dichlorobenzene	7/27/02	1	2	BQL
1,3-Dichlorobenzene	7/27/02	1	2	BQL
1,4-Dichlorobenzene	7/27/02	1	2	BQL
Ethylbenzene	7/27/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2	BQL
Toluene	7/27/02	1	1	BQL
m/p-Xylene	7/27/02	1	2	BQL
o-Xylene	7/27/02	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: USTAS4158-DUP2-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48722
Lab Project ID: G182-780

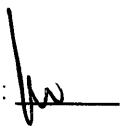
Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/27/02	1	1	BQL
Chlorobenzene	7/27/02	1	1	BQL
1,2-Dichlorobenzene	7/27/02	1	2	BQL
1,3-Dichlorobenzene	7/27/02	1	2	BQL
1,4-Dichlorobenzene	7/27/02	1	2	BQL
Ethylbenzene	7/27/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2	BQL
Toluene	7/27/02	1	1	BQL
m/p-Xylene	7/27/02	1	2	BQL
o-Xylene	7/27/02	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: USTAS4158-MW18-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48723
Lab Project ID: G182-780

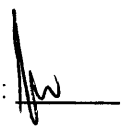
Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/27/02	1	1	BQL
Chlorobenzene	7/27/02	1	1	BQL
1,2-Dichlorobenzene	7/27/02	1	2	BQL
1,3-Dichlorobenzene	7/27/02	1	2	BQL
1,4-Dichlorobenzene	7/27/02	1	2	BQL
Ethylbenzene	7/27/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2	BQL
Toluene	7/27/02	1	1	BQL
m/p-Xylene	7/27/02	1	2	BQL
o-Xylene	7/27/02	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: USTAS4158-MW03-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48724
Lab Project ID: G182-780

Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/27/02	1	1	BQL
Chlorobenzene	7/27/02	1	1	BQL
1,2-Dichlorobenzene	7/27/02	1	2	BQL
1,3-Dichlorobenzene	7/27/02	1	2	BQL
1,4-Dichlorobenzene	7/27/02	1	2	BQL
Ethylbenzene	7/27/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2	BQL
Toluene	7/27/02	1	1	BQL
m/p-Xylene	7/27/02	1	2	BQL
o-Xylene	7/27/02	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: USTAS4158-MW05-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48725
Lab Project ID: G182-780

Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/27/02	1	1	BQL
Chlorobenzene	7/27/02	1	1	BQL
1,2-Dichlorobenzene	7/27/02	1	2	BQL
1,3-Dichlorobenzene	7/27/02	1	2	BQL
1,4-Dichlorobenzene	7/27/02	1	2	BQL
Ethylbenzene	7/27/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/27/02	1	2	BQL
Toluene	7/27/02	1	1	BQL
m/p-Xylene	7/27/02	1	2	BQL
o-Xylene	7/27/02	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: USTAS4158-MW07-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48726
Lab Project ID: G182-780

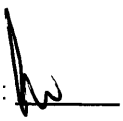
Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/28/02	1	1	BQL
Chlorobenzene	7/28/02	1	1	BQL
1,2-Dichlorobenzene	7/28/02	1	2	BQL
1,3-Dichlorobenzene	7/28/02	1	2	BQL
1,4-Dichlorobenzene	7/28/02	1	2	BQL
Ethylbenzene	7/28/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/28/02	1	2	BQL
Toluene	7/28/02	1	1	BQL
m/p-Xylene	7/28/02	1	2	BQL
o-Xylene	7/28/02	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: USTAS4158-EQ-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48727
Lab Project ID: G182-780

Analyzed By: JTF
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/29/02	1	1	BQL
Chlorobenzene	7/29/02	1	1	BQL
1,2-Dichlorobenzene	7/29/02	1	2	BQL
1,3-Dichlorobenzene	7/29/02	1	2	BQL
1,4-Dichlorobenzene	7/29/02	1	2	BQL
Ethylbenzene	7/29/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/29/02	1	2	BQL
Toluene	7/29/02	1	1	BQL
m/p-Xylene	7/29/02	1	2	BQL
o-Xylene	7/29/02	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: USTAS4158-TRIP-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48728
Lab Project ID: G182-780

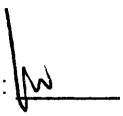
Analyzed By: EKR
Date Collected: 07/15/02
Date Received: 07/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/23/02	1	1	BQL
Chlorobenzene	7/23/02	1	1	BQL
1,2-Dichlorobenzene	7/23/02	1	2	BQL
1,3-Dichlorobenzene	7/23/02	1	2	BQL
1,4-Dichlorobenzene	7/23/02	1	2	BQL
Ethylbenzene	7/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/23/02	1	2	BQL
Toluene	7/23/02	1	1	1
m/p-Xylene	7/23/02	1	2	BQL
o-Xylene	7/23/02	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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48713
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.9	59
Nitrobenzene-d5	10	7.2	72
4-Terphenyl-d14	10	5.4	54

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48714
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.9	59
Nitrobenzene-d5	10	6.8	68
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48715
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.5	65
Nitrobenzene-d5	10	7.8	78
4-Terphenyl-d14	10	6.6	66

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48716
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.4	64
Nitrobenzene-d5	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:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48717
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.5	65
Nitrobenzene-d5	10	7.4	74
4-Terphenyl-d14	10	5.7	57

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48718
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.8	68
Nitrobenzene-d5	10	7.1	71
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48719
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.0	60
Nitrobenzene-d5	10	6.4	64
4-Terphenyl-d14	10	4.0	40

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48720
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.6	66
Nitrobenzene-d5	10	7.5	75
4-Terphenyl-d14	10	9.4	94

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48721
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.2	62
Nitrobenzene-d5	10	6.6	66
4-Terphenyl-d14	10	9.7	97

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48722
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.7	67
Nitrobenzene-d5	10	7.3	73
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW18-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48723
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

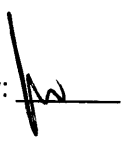
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.2	62
Nitrobenzene-d5	10	6.4	64
4-Terphenyl-d14	10	9.4	94

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW03-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48724
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.9	59
Nitrobenzene-d5	10	7.0	70
4-Terphenyl-d14	10	7.8	78

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW05-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48725
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.9	69
Nitrobenzene-d5	10	8.2	82
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW07-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48726
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.7	67
Nitrobenzene-d5	10	7.8	78
4-Terphenyl-d14	10	6.8	68

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-EQ-02C
Client Project ID: BLDG AS4158
Lab Sample ID: 48727
Lab Project ID: G182-780
Matrix: Water

Date Collected: 7/15/2002
Date Received: 7/16/2002
Date Analyzed: 7/21/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.4	64
Nitrobenzene-d5	10	7.3	73
4-Terphenyl-d14	10	9.7	97

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: BLDG AS4158
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date: 7/15/02
Turnaround: STANDARD
Job Number: T.O. 67D
Page 1 OF 2

Report To: Tracy Thrift

Invoice To: T.O. 67D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610	Comments
										G182-780
USTAS4158-MW04-02C	7/15/02	0840	GW	3		1		X	X	
USTAS4158-MW08-02C	7/15/02	1045	GW	3		1		X	X	
~~USTAS4158-MW09-02C~~	7/15/02		GW	3		1		X	X	EDD
USTAS4158-MW10-02C	7/15/02	0930	GW	3		1		X	X	Send To:
USTAS4158-MW11-02C	7/15/02	1030	GW	3		1		X	X	evansp@clb.usmc.mil
USTAS4158-MW13-02C	7/15/02	1020	GW	3		1		X	X	Copy To:
USTAS4158-MW14-02C	7/15/02	0940	GW	3		1		X	X	pauln@clb.usmc.mil
USTAS4158-MW15-02C	7/15/02	0950	GW	3		1		X	X	
USTAS4158-MW17-02C	7/15/02	1115	GW	3		1		X	X	
USTAS4158-DUP1-02C	7/15/02	—	GW	3		1		X	X	
USTAS4158-DUP2-02C	7/15/02	—	GW	3		1		X	X	
USTAS4158-MW18-02C	7/15/02	1015	GW	3		1		X	X	

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Theresa Ellerman	7/15/02	1600		7/16/02	1020	2.2°C, 4.7 5.8

Sampled By	Airbill #
Theresa	
Bob	

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: BLDG AS4158
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date: 7/15/02
Turnaround: STANDARD
Job Number: T.O. 67D
Page 2 OF 2

Report To: Tracy Thrift

Invoice To: T.O. 67D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610	Comments
										G182-780
~~USTAS4158-MW01-02~~			GW	3		1		X	X	
~~USTAS4158-MW02-02~~			GW	3		1		X	X	
USTAS4158-MW03-02C	7/15/02	0900	GW	3		1		X	X	EDD
USTAS4158-MW05-02C	7/15/02	0850	GW	3		1		X	X	Send To:
USTAS4158-MW07-02C	7/15/02	0915	GW	3		1		X	X	evansp@clb.usmc.mil
USTAS4158-EQ-02C	7/15/02	1240	W	3		1		X	X	Copy To:
USTAS4158-TRIP-02C	7/15/02	1600	W	2				X		pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	7/15/02			7/16/02	1020	2.2° 4.7 5.8	ELLERMAN	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW04-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41875
Lab Project ID: G182-765

Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	1	2	BQL

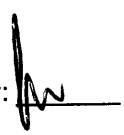
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW08-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41876
Lab Project ID: G182-765

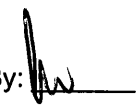
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	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: USTAS4158-MW10-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41877
Lab Project ID: G182-765

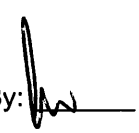
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	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: USTAS4158-MW11-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41878
Lab Project ID: G182-765

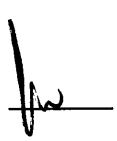
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	4/22/02	1	1	BQL	
Chlorobenzene	4/22/02	1	1	BQL	
1,2-Dichlorobenzene	4/22/02	1	2	BQL	
1,3-Dichlorobenzene	4/22/02	1	2	BQL	
1,4-Dichlorobenzene	4/22/02	1	2	BQL	
Ethylbenzene	4/22/02	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2		**7**
Toluene	4/22/02	1	1	BQL	
m/p-Xylene	4/22/02	1	2	BQL	
o-Xylene	4/22/02	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: USTAS4158-MW13-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41879
Lab Project ID: G182-765

Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	**3**
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	**34**
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	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: USTAS4158-MW14-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41880
Lab Project ID: G182-765

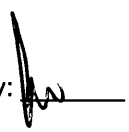
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	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: USTAS4158-MW15-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41881
Lab Project ID: G182-765

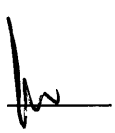
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	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: USTAS4158-MW17-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41882
Lab Project ID: G182-765

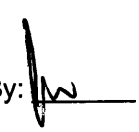
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	4/22/02	1	1	BQL	
Chlorobenzene	4/22/02	1	1	BQL	
1,2-Dichlorobenzene	4/22/02	1	2	BQL	
1,3-Dichlorobenzene	4/22/02	1	2	BQL	
1,4-Dichlorobenzene	4/22/02	1	2	BQL	
Ethylbenzene	4/22/02	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2		9
Toluene	4/22/02	1	1	BQL	
m/p-Xylene	4/22/02	1	2	BQL	
o-Xylene	4/22/02	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: USTAS4158-DUP1-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41883
Lab Project ID: G182-765

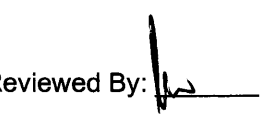
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	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: USTAS4158-DUP2-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41884
Lab Project ID: G182-765

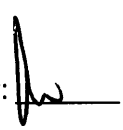
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	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: USTAS4158-MW18-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41885
Lab Project ID: G182-765

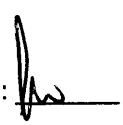
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	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: USTAS4158-MW01-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41886
Lab Project ID: G182-765

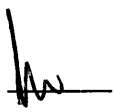
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	45	113

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW03-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41887
Lab Project ID: G182-765

Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	45	114

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW05-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41888
Lab Project ID: G182-765

Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/22/02	1	1	BQL
Chlorobenzene	4/22/02	1	1	BQL
1,2-Dichlorobenzene	4/22/02	1	2	BQL
1,3-Dichlorobenzene	4/22/02	1	2	BQL
1,4-Dichlorobenzene	4/22/02	1	2	BQL
Ethylbenzene	4/22/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/22/02	1	2	BQL
Toluene	4/22/02	1	1	BQL
m/p-Xylene	4/22/02	1	2	BQL
o-Xylene	4/22/02	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: USTAS4158-MW07-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41889
Lab Project ID: G182-765

Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/23/02	1	1	BQL
Chlorobenzene	4/23/02	1	1	BQL
1,2-Dichlorobenzene	4/23/02	1	2	BQL
1,3-Dichlorobenzene	4/23/02	1	2	BQL
1,4-Dichlorobenzene	4/23/02	1	2	BQL
Ethylbenzene	4/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/23/02	1	2	BQL
Toluene	4/23/02	1	1	BQL
m/p-Xylene	4/23/02	1	2	BQL
o-Xylene	4/23/02	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: USTAS4158-EQ-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41890
Lab Project ID: G182-765

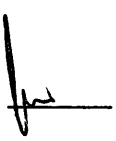
Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	4/23/02	1	1	BQL	
Chlorobenzene	4/23/02	1	1	BQL	
1,2-Dichlorobenzene	4/23/02	1	2	BQL	
1,3-Dichlorobenzene	4/23/02	1	2	BQL	
1,4-Dichlorobenzene	4/23/02	1	2	BQL	
Ethylbenzene	4/23/02	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	4/23/02	1	2	BQL	
Toluene	4/23/02	1	1		**2**
m/p-Xylene	4/23/02	1	2	BQL	
o-Xylene	4/23/02	1	2	BQL	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	45	113

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-TRIP-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41891
Lab Project ID: G182-765

Analyzed By: EKR
Date Collected: 04/15/02
Date Received: 04/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/23/02	1	1	BQL
Chlorobenzene	4/23/02	1	1	BQL
1,2-Dichlorobenzene	4/23/02	1	2	BQL
1,3-Dichlorobenzene	4/23/02	1	2	BQL
1,4-Dichlorobenzene	4/23/02	1	2	BQL
Ethylbenzene	4/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/23/02	1	2	BQL
Toluene	4/23/02	1	1	BQL
m/p-Xylene	4/23/02	1	2	BQL
o-Xylene	4/23/02	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: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41875
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/20/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

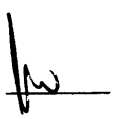
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
Nitrobenzene-d5	10	8.8	88
4-Terphenyl-d14	10	5.1	51

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41876
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/20/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	8.7	87
4-Terphenyl-d14	10	9.0	90

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41877
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/20/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

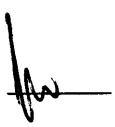
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
Nitrobenzene-d5	10	7.1	71
4-Terphenyl-d14	10	11.0	110

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41878
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/20/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
Nitrobenzene-d5	10	8.6	86
4-Terphenyl-d14	10	11.9	119

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41879
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/20/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
Nitrobenzene-d5	10	7.7	77
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41880
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/20/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
Nitrobenzene-d5	10	9.4	94
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41881
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/20/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	8.5	85
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41882
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/25/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	8.8	88
4-Terphenyl-d14	10	13.2	132

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41883
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/25/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
Nitrobenzene-d5	10	8.7	87
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41884
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/25/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

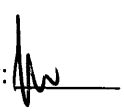
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.1	101
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	12.4	124

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW18-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41885
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/25/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.3	103
Nitrobenzene-d5	10	9.5	95
4-Terphenyl-d14	10	12.3	123

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW01-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41886
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/25/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.0	100
Nitrobenzene-d5	10	9.4	94
4-Terphenyl-d14	10	11.3	113

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW03-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41887
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/25/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
Nitrobenzene-d5	10	7.4	74
4-Terphenyl-d14	10	11.3	113

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW05-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41888
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/25/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
Nitrobenzene-d5	10	9.0	90
4-Terphenyl-d14	10	12.6	126

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW07-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41889
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/25/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.8	98
Nitrobenzene-d5	10	9.0	90
4-Terphenyl-d14	10	12.7	127

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-EQ-02B
Client Project ID: BLDG AS4158
Lab Sample ID: 41890
Lab Project ID: G182-765
Matrix: Water

Date Collected: 4/15/2002
Date Received: 4/16/2002
Date Analyzed: 4/25/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
Nitrobenzene-d5	10	8.8	88
4-Terphenyl-d14	10	13.3	133

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: BLDG AS4158
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date:
Turnaround: STANDARD
Job Number: T.O. 67D
Page 1 OF 2

Report To: Tracy Thrift

Invoice To: T.O. 67D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610	Comments
										G182-765
USTAS4158-MW04-02B	4/15/02	9:00	GW	3		1		X	X	
USTAS4158-MW08-02B	4/15/02	9:40	GW	3		1		X	X	EDD
~~USTAS4158-MW09-02B~~	~~4/15/02~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~	Send To:
USTAS4158-MW10-02B	4/15/02	10:20	GW	3		1		X	X	evansp@clb.usmc.mil
USTAS4158-MW11-02B	4/15/02	10:45	GW	3		1		X	X	Copy To:
USTAS4158-MW13-02B	4/15/02	10:30	GW	3		1		X	X	pauln@clb.usmc.mil
USTAS4158-MW14-02B	4/15/02	11:00	GW	3		1		X	X	
USTAS4158-MW15-02B	4/15/02	12:00	GW	3		1		X	X	
USTAS4158-MW17-02B	4/15/02	10:00	GW	3		1		X	X	
USTAS4158-DUP1-02B	4/15/02		GW	3		1		X	X	
USTAS4158-DUP2-02B	4/15/02		GW	3		1		X	X	
USTAS4158-MW18-02B	4/15/02	11:40	GW	3		1		X	X	

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	4/15/02	15:45		4/16/02	0845	1.8°C, 0.3°C	Theresa	
Bob Selby						5.3°C	Bob	

NC Certification #481

Paradigm Analytical Laboratories, Inc

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: BLDG AS4158
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date:
Turnaround: STANDARD
Job Number: T.O. 67D
Page 2 OF 2

Report To: Tracy Thrift
Invoice To: T.O. 67D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						G182-765
USTAS4158-MW01-02B	4/15/02	9:20	GW	3		1		X	X						
~~USTAS4158-MW02-02B~~	~~4/15/02~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						EDD
USTAS4158-MW03-02B	4/15/02	9:30	GW	3		1		X	X						Send To:
USTAS4158-MW05-02B	4/15/02	9:10	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW07-02B	4/15/02	10:10	GW	3		1		X	X						Copy To:
USTAS4158-EQ-02B	4/15/02	13:20	W	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-TRIP-02B	4/15/02		W	2				X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	4/15/02		Julie Johnson	4/16/02	0945	1.8, 0.3	ELLERMAN	
Barb Sellers						5.3C		

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW04-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35582
Lab Project ID: G182-739

Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/19/02	1	1	BQL
Chlorobenzene	1/19/02	1	1	BQL
1,2-Dichlorobenzene	1/19/02	1	2	BQL
1,3-Dichlorobenzene	1/19/02	1	2	BQL
1,4-Dichlorobenzene	1/19/02	1	2	BQL
Ethylbenzene	1/19/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/19/02	1	2	BQL
Toluene	1/19/02	1	1	BQL
m/p-Xylene	1/19/02	1	2	BQL
o-Xylene	1/19/02	1	2	BQL

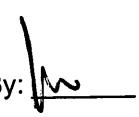
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	102

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW08-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35583
Lab Project ID: G182-739

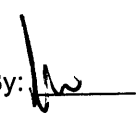
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/19/02	1	1	BQL
Chlorobenzene	1/19/02	1	1	BQL
1,2-Dichlorobenzene	1/19/02	1	2	BQL
1,3-Dichlorobenzene	1/19/02	1	2	BQL
1,4-Dichlorobenzene	1/19/02	1	2	BQL
Ethylbenzene	1/19/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/19/02	1	2	BQL
Toluene	1/19/02	1	1	BQL
m/p-Xylene	1/19/02	1	2	BQL
o-Xylene	1/19/02	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: USTAS4158-MW10-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35584
Lab Project ID: G182-739

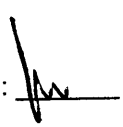
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/19/02	1	1	BQL
Chlorobenzene	1/19/02	1	1	BQL
1,2-Dichlorobenzene	1/19/02	1	2	BQL
1,3-Dichlorobenzene	1/19/02	1	2	BQL
1,4-Dichlorobenzene	1/19/02	1	2	BQL
Ethylbenzene	1/19/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/19/02	1	2	BQL
Toluene	1/19/02	1	1	BQL
m/p-Xylene	1/19/02	1	2	BQL
o-Xylene	1/19/02	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: USTAS4158-MW11-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35585
Lab Project ID: G182-739

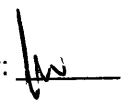
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/19/02	1	1	**2**
Chlorobenzene	1/19/02	1	1	BQL
1,2-Dichlorobenzene	1/19/02	1	2	BQL
1,3-Dichlorobenzene	1/19/02	1	2	BQL
1,4-Dichlorobenzene	1/19/02	1	2	BQL
Ethylbenzene	1/19/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/19/02	1	2	**13**
Toluene	1/19/02	1	1	BQL
m/p-Xylene	1/19/02	1	2	BQL
o-Xylene	1/19/02	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: USTAS4158-MW13-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35586
Lab Project ID: G182-739

Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/19/02	1	1	3
Chlorobenzene	1/19/02	1	1	BQL
1,2-Dichlorobenzene	1/19/02	1	2	BQL
1,3-Dichlorobenzene	1/19/02	1	2	BQL
1,4-Dichlorobenzene	1/19/02	1	2	BQL
Ethylbenzene	1/19/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/19/02	1	2	15
Toluene	1/19/02	1	1	BQL
m/p-Xylene	1/19/02	1	2	BQL
o-Xylene	1/19/02	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: USTAS4158-MW14-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35587
Lab Project ID: G182-739

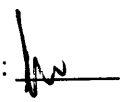
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/02	1	1	BQL
Chlorobenzene	1/23/02	1	1	BQL
1,2-Dichlorobenzene	1/23/02	1	2	BQL
1,3-Dichlorobenzene	1/23/02	1	2	BQL
1,4-Dichlorobenzene	1/23/02	1	2	BQL
Ethylbenzene	1/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/02	1	2	BQL
Toluene	1/23/02	1	1	BQL
m/p-Xylene	1/23/02	1	2	BQL
o-Xylene	1/23/02	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: USTAS4158-MW15-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35588
Lab Project ID: G182-739

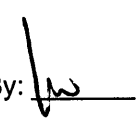
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/02	1	1	BQL
Chlorobenzene	1/23/02	1	1	BQL
1,2-Dichlorobenzene	1/23/02	1	2	BQL
1,3-Dichlorobenzene	1/23/02	1	2	BQL
1,4-Dichlorobenzene	1/23/02	1	2	BQL
Ethylbenzene	1/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/02	1	2	BQL
Toluene	1/23/02	1	1	BQL
m/p-Xylene	1/23/02	1	2	BQL
o-Xylene	1/23/02	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 Volatiles
by GC 602

Client Sample ID: USTAS4158-MW17-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35589
Lab Project ID: G182-739

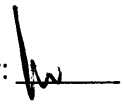
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/02	1	1	BQL
Chlorobenzene	1/23/02	1	1	BQL
1,2-Dichlorobenzene	1/23/02	1	2	BQL
1,3-Dichlorobenzene	1/23/02	1	2	BQL
1,4-Dichlorobenzene	1/23/02	1	2	BQL
Ethylbenzene	1/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/02	1	2	**10**
Toluene	1/23/02	1	1	BQL
m/p-Xylene	1/23/02	1	2	BQL
o-Xylene	1/23/02	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: USTAS4158-DUP1-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35590
Lab Project ID: G182-739

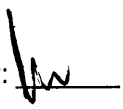
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/02	1	1	BQL
Chlorobenzene	1/23/02	1	1	BQL
1,2-Dichlorobenzene	1/23/02	1	2	BQL
1,3-Dichlorobenzene	1/23/02	1	2	BQL
1,4-Dichlorobenzene	1/23/02	1	2	BQL
Ethylbenzene	1/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/02	1	2	BQL
Toluene	1/23/02	1	1	BQL
m/p-Xylene	1/23/02	1	2	BQL
o-Xylene	1/23/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	44	110

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-DUP2-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35591
Lab Project ID: G182-739

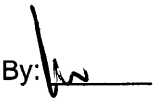
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/02	1	1	BQL
Chlorobenzene	1/23/02	1	1	BQL
1,2-Dichlorobenzene	1/23/02	1	2	BQL
1,3-Dichlorobenzene	1/23/02	1	2	BQL
1,4-Dichlorobenzene	1/23/02	1	2	BQL
Ethylbenzene	1/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/02	1	2	BQL
Toluene	1/23/02	1	1	BQL
m/p-Xylene	1/23/02	1	2	BQL
o-Xylene	1/23/02	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	46	115

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW18-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35592
Lab Project ID: G182-739

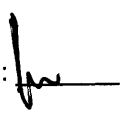
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/02	1	1	BQL
Chlorobenzene	1/23/02	1	1	BQL
1,2-Dichlorobenzene	1/23/02	1	2	BQL
1,3-Dichlorobenzene	1/23/02	1	2	BQL
1,4-Dichlorobenzene	1/23/02	1	2	BQL
Ethylbenzene	1/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/02	1	2	BQL
Toluene	1/23/02	1	1	BQL
m/p-Xylene	1/23/02	1	2	BQL
o-Xylene	1/23/02	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: USTAS4158-MW03-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35593
Lab Project ID: G182-739

Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/02	1	1	BQL
Chlorobenzene	1/23/02	1	1	BQL
1,2-Dichlorobenzene	1/23/02	1	2	BQL
1,3-Dichlorobenzene	1/23/02	1	2	BQL
1,4-Dichlorobenzene	1/23/02	1	2	BQL
Ethylbenzene	1/23/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/02	1	2	BQL
Toluene	1/23/02	1	1	BQL
m/p-Xylene	1/23/02	1	2	BQL
o-Xylene	1/23/02	1	2	BQL

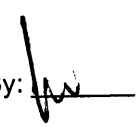
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	43	107

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW05-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35594
Lab Project ID: G182-739

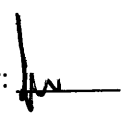
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/24/02	1	1	BQL
Chlorobenzene	1/24/02	1	1	BQL
1,2-Dichlorobenzene	1/24/02	1	2	BQL
1,3-Dichlorobenzene	1/24/02	1	2	BQL
1,4-Dichlorobenzene	1/24/02	1	2	BQL
Ethylbenzene	1/24/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/24/02	1	2	BQL
Toluene	1/24/02	1	1	BQL
m/p-Xylene	1/24/02	1	2	BQL
o-Xylene	1/24/02	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: USTAS4158-MW07-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35595
Lab Project ID: G182-739

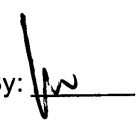
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/24/02	1	1	BQL
Chlorobenzene	1/24/02	1	1	BQL
1,2-Dichlorobenzene	1/24/02	1	2	BQL
1,3-Dichlorobenzene	1/24/02	1	2	BQL
1,4-Dichlorobenzene	1/24/02	1	2	BQL
Ethylbenzene	1/24/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/24/02	1	2	BQL
Toluene	1/24/02	1	1	BQL
m/p-Xylene	1/24/02	1	2	BQL
o-Xylene	1/24/02	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: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-EQ-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35596
Lab Project ID: G182-739

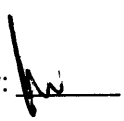
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/24/02	1	1	BQL
Chlorobenzene	1/24/02	1	1	BQL
1,2-Dichlorobenzene	1/24/02	1	2	BQL
1,3-Dichlorobenzene	1/24/02	1	2	BQL
1,4-Dichlorobenzene	1/24/02	1	2	BQL
Ethylbenzene	1/24/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/24/02	1	2	BQL
Toluene	1/24/02	1	1	BQL
m/p-Xylene	1/24/02	1	2	BQL
o-Xylene	1/24/02	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: USTAS4158-TRIP-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35597
Lab Project ID: G182-739

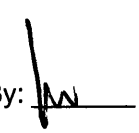
Analyzed By: EES
Date Collected: 01/15/02
Date Received: 01/16/02
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/02	1	1	BQL
Chlorobenzene	1/21/02	1	1	BQL
1,2-Dichlorobenzene	1/21/02	1	2	BQL
1,3-Dichlorobenzene	1/21/02	1	2	BQL
1,4-Dichlorobenzene	1/21/02	1	2	BQL
Ethylbenzene	1/21/02	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/02	1	2	BQL
Toluene	1/21/02	1	1	BQL
m/p-Xylene	1/21/02	1	2	BQL
o-Xylene	1/21/02	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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35582
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

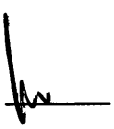
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.4	74
Nitrobenzene-d5	10	8.8	88
4-Terphenyl-d14	10	5.2	52

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35583
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
Nitrobenzene-d5	10	8.1	81
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35584
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	9.2	92

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35585
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	9.2	92
4-Terphenyl-d14	10	9.0	90

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35586
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

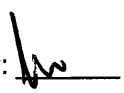
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
Nitrobenzene-d5	10	9.1	91
4-Terphenyl-d14	10	7.6	76

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35587
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

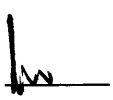
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
Nitrobenzene-d5	10	8.8	88
4-Terphenyl-d14	10	7.3	73

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35588
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

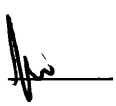
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
Nitrobenzene-d5	10	8.7	87
4-Terphenyl-d14	10	8.2	82

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35589
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.0	90
Nitrobenzene-d5	10	9.3	93
4-Terphenyl-d14	10	9.4	94

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35590
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	9.1	91
4-Terphenyl-d14	10	9.0	90

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35591
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	8.8	88
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW18-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35592
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/23/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	8.3	83
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW03-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35593
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/24/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

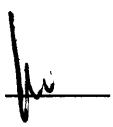
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
Nitrobenzene-d5	10	9.8	98
4-Terphenyl-d14	10	5.5	55

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW05-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35594
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/24/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
Nitrobenzene-d5	10	9.2	92
4-Terphenyl-d14	10	8.4	84

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW07-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35595
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/24/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
Nitrobenzene-d5	10	8.6	86
4-Terphenyl-d14	10	5.9	59

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-EQ-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35596
Lab Project ID: G182-739
Matrix: Water

Date Collected: 1/15/2002
Date Received: 1/16/2002
Date Analyzed: 1/24/2002
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	8.9	89
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

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: BLDG AS4158
P.O Number:
Contact : ~~Jeff Henniger~~ Tracy
Phone: 904-363-0911

Date: 1/15/02
Turnaround: STANDARD
Job Number: T.O. 67D
Page 1 OF 2

Report To: ~~Jeff Henniger~~ Tracy

Invoice To: T.O. 67D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610						Comments
															G182-739
USTAS4158-MW04-02A	1/15/02	10:05	GW	3		1		X	X						
USTAS4158-MW08-02A	1/15/02	10:40	GW	3		1		X	X						EDD
'..			GW	3		1		X	X						Send To:
USTAS4158-MW10-02A	1/15/02	11:50	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW11-02A	1/15/02	14:20	GW	3		1		X	X						Copy To:
USTAS4158-MW13-02A	1/15/02	12:15	GW	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-MW14-02A	1/15/02	13:30	GW	3		1		X	X						
USTAS4158-MW15-02A	1/15/02	13:40	GW	3		1		X	X						
USTAS4158-MW17-02A	1/15/02	11:15	GW	3		1		X	X						
USTAS4158-DUP1-02A	1/15/02	—	GW	3		1		X	X						
USTAS4158-DUP2-02A	1/15/02	—	GW	3		1		X	X						
USTAS4158-MW18-02A	1/15/02	14:05	GW	3		1		X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Bob Feller	1/15/02	15:45	Julie Johnson	1/16/02	1030	2.3, 2.8, 3.7°c	Theresa	
							Bob	

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: BLDG AS4158
P.O Number:
Contact : Tracy Thrift
Phone: 904-363-0911

Date #### 1/15/02
Turnaround: STANDARD
Job Number: T.O. 67D
Page 2 OF 2

Report To: Tracy Thrift

Invoice To: T.O. 67D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610						Comments
															G182-739
	1/15/02		GW	3		1		X	X						
	1/15/02		GW	3		1		X	X						EDD
USTAS4158-MW03-02A	1/15/02	10:30	GW	3		1		X	X						Send To:
USTAS4158-MW05-02A	1/15/02	10:10	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW07-02A	1/15/02	13:15	GW	3		1		X	X						Copy To:
USTAS4158-EQ-02A	1/15/02	15:40	W	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-TRIP-02A	1/15/02	—	W	2				X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Bob Zeller	1/15/02	16:45	Julie Jones	1/16/02	1000	2.3, 2.8, 3.7°C	ELLERMAN	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW04-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23974
Lab Project ID: G182-678

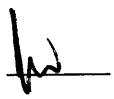
Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/01	1	1	BQL
Chlorobenzene	7/21/01	1	1	BQL
1,2-Dichlorobenzene	7/21/01	1	2	BQL
1,3-Dichlorobenzene	7/21/01	1	2	BQL
1,4-Dichlorobenzene	7/21/01	1	2	BQL
Ethylbenzene	7/21/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/01	1	2	BQL
Toluene	7/21/01	1	1	BQL
m/p-Xylene	7/21/01	1	2	BQL
o-Xylene	7/21/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	91

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW08-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23975
Lab Project ID: G182-678

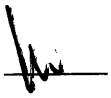
Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/01	1	1	BQL
Chlorobenzene	7/21/01	1	1	BQL
1,2-Dichlorobenzene	7/21/01	1	2	BQL
1,3-Dichlorobenzene	7/21/01	1	2	BQL
1,4-Dichlorobenzene	7/21/01	1	2	BQL
Ethylbenzene	7/21/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/01	1	2	BQL
Toluene	7/21/01	1	1	BQL
m/p-Xylene	7/21/01	1	2	BQL
o-Xylene	7/21/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	91

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW09-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23976
Lab Project ID: G182-678

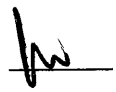
Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/01	1	1	**52**
Chlorobenzene	7/21/01	1	1	BQL
1,2-Dichlorobenzene	7/21/01	1	2	BQL
1,3-Dichlorobenzene	7/21/01	1	2	BQL
1,4-Dichlorobenzene	7/21/01	1	2	BQL
Ethylbenzene	7/21/01	1	1	**1**
Methyl-tert-butyl ether (MTBE)	7/21/01	1	2	**6**
Toluene	7/21/01	1	1	BQL
m/p-Xylene	7/21/01	1	2	**2**
o-Xylene	7/21/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	37	93

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW10-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23977
Lab Project ID: G182-678

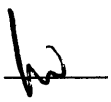
Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/01	1	1	BQL
Chlorobenzene	7/21/01	1	1	BQL
1,2-Dichlorobenzene	7/21/01	1	2	BQL
1,3-Dichlorobenzene	7/21/01	1	2	BQL
1,4-Dichlorobenzene	7/21/01	1	2	BQL
Ethylbenzene	7/21/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/01	1	2	BQL
Toluene	7/21/01	1	1	BQL
m/p-Xylene	7/21/01	1	2	BQL
o-Xylene	7/21/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	37	92

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW11-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23978
Lab Project ID: G182-678

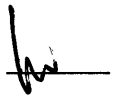
Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/01	1	1	**3**
Chlorobenzene	7/21/01	1	1	BQL
1,2-Dichlorobenzene	7/21/01	1	2	BQL
1,3-Dichlorobenzene	7/21/01	1	2	BQL
1,4-Dichlorobenzene	7/21/01	1	2	BQL
Ethylbenzene	7/21/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/01	1	2	**8**
Toluene	7/21/01	1	1	BQL
m/p-Xylene	7/21/01	1	2	BQL
o-Xylene	7/21/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	91

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW13-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23979
Lab Project ID: G182-678

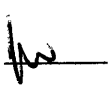
Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/01	1	1	**5**
Chlorobenzene	7/21/01	1	1	BQL
1,2-Dichlorobenzene	7/21/01	1	2	BQL
1,3-Dichlorobenzene	7/21/01	1	2	BQL
1,4-Dichlorobenzene	7/21/01	1	2	BQL
Ethylbenzene	7/21/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/01	1	2	**62**
Toluene	7/21/01	1	1	BQL
m/p-Xylene	7/21/01	1	2	BQL
o-Xylene	7/21/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	90

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW14-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23980
Lab Project ID: G182-678

Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/22/01	1	1	BQL
Chlorobenzene	7/22/01	1	1	BQL
1,2-Dichlorobenzene	7/22/01	1	2	BQL
1,3-Dichlorobenzene	7/22/01	1	2	BQL
1,4-Dichlorobenzene	7/22/01	1	2	BQL
Ethylbenzene	7/22/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/22/01	1	2	BQL
Toluene	7/22/01	1	1	BQL
m/p-Xylene	7/22/01	1	2	BQL
o-Xylene	7/22/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	37	92

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW15-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23981
Lab Project ID: G182-678

Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/22/01	1	1	BQL
Chlorobenzene	7/22/01	1	1	BQL
1,2-Dichlorobenzene	7/22/01	1	2	BQL
1,3-Dichlorobenzene	7/22/01	1	2	BQL
1,4-Dichlorobenzene	7/22/01	1	2	BQL
Ethylbenzene	7/22/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/22/01	1	2	BQL
Toluene	7/22/01	1	1	BQL
m/p-Xylene	7/22/01	1	2	BQL
o-Xylene	7/22/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	37	92

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW17-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23982
Lab Project ID: G182-678

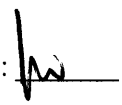
Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	7/22/01	1	1	BQL	
Chlorobenzene	7/22/01	1	1	BQL	
1,2-Dichlorobenzene	7/22/01	1	2	BQL	
1,3-Dichlorobenzene	7/22/01	1	2	BQL	
1,4-Dichlorobenzene	7/22/01	1	2	BQL	
Ethylbenzene	7/22/01	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	7/22/01	1	2		**8**
Toluene	7/22/01	1	1	BQL	
m/p-Xylene	7/22/01	1	2	BQL	
o-Xylene	7/22/01	1	2	BQL	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	90

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-DUP1-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23983
Lab Project ID: G182-678

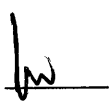
Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/22/01	1	1	**5**
Chlorobenzene	7/22/01	1	1	BQL
1,2-Dichlorobenzene	7/22/01	1	2	BQL
1,3-Dichlorobenzene	7/22/01	1	2	BQL
1,4-Dichlorobenzene	7/22/01	1	2	BQL
Ethylbenzene	7/22/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/22/01	1	2	**61**
Toluene	7/22/01	1	1	**1**
m/p-Xylene	7/22/01	1	2	BQL
o-Xylene	7/22/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	91

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-DUP2-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23984
Lab Project ID: G182-678

Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/22/01	1	1	BQL
Chlorobenzene	7/22/01	1	1	BQL
1,2-Dichlorobenzene	7/22/01	1	2	BQL
1,3-Dichlorobenzene	7/22/01	1	2	BQL
1,4-Dichlorobenzene	7/22/01	1	2	BQL
Ethylbenzene	7/22/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/22/01	1	2	BQL
Toluene	7/22/01	1	1	BQL
m/p-Xylene	7/22/01	1	2	BQL
o-Xylene	7/22/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	91

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW01-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23985
Lab Project ID: G182-678

Analyzed By: EKR
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/22/01	1	1	BQL
Chlorobenzene	7/22/01	1	1	BQL
1,2-Dichlorobenzene	7/22/01	1	2	BQL
1,3-Dichlorobenzene	7/22/01	1	2	BQL
1,4-Dichlorobenzene	7/22/01	1	2	BQL
Ethylbenzene	7/22/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/22/01	1	2	BQL
Toluene	7/22/01	1	1	BQL
m/p-Xylene	7/22/01	1	2	BQL
o-Xylene	7/22/01	1	2	BQL

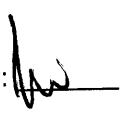
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	91

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW03-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23986
Lab Project ID: G182-678

Analyzed By: EES
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/24/01	1	1	BQL
Chlorobenzene	7/24/01	1	1	BQL
1,2-Dichlorobenzene	7/24/01	1	2	BQL
1,3-Dichlorobenzene	7/24/01	1	2	BQL
1,4-Dichlorobenzene	7/24/01	1	2	BQL
Ethylbenzene	7/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/24/01	1	2	BQL
Toluene	7/24/01	1	1	BQL
m/p-Xylene	7/24/01	1	2	BQL
o-Xylene	7/24/01	1	2	BQL

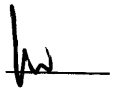
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	90

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW05-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23987
Lab Project ID: G182-678

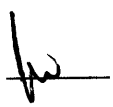
Analyzed By: EES
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/24/01	1	1	BQL
Chlorobenzene	7/24/01	1	1	BQL
1,2-Dichlorobenzene	7/24/01	1	2	BQL
1,3-Dichlorobenzene	7/24/01	1	2	BQL
1,4-Dichlorobenzene	7/24/01	1	2	BQL
Ethylbenzene	7/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/24/01	1	2	BQL
Toluene	7/24/01	1	1	BQL
m/p-Xylene	7/24/01	1	2	BQL
o-Xylene	7/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	91

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW07-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23988
Lab Project ID: G182-678

Analyzed By: EES
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/24/01	1	1	BQL
Chlorobenzene	7/24/01	1	1	BQL
1,2-Dichlorobenzene	7/24/01	1	2	BQL
1,3-Dichlorobenzene	7/24/01	1	2	BQL
1,4-Dichlorobenzene	7/24/01	1	2	BQL
Ethylbenzene	7/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/24/01	1	2	BQL
Toluene	7/24/01	1	1	BQL
m/p-Xylene	7/24/01	1	2	BQL
o-Xylene	7/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	37	92

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-EQ-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23989
Lab Project ID: G182-678

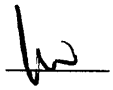
Analyzed By: EES
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/24/01	1	1	BQL
Chlorobenzene	7/24/01	1	1	BQL
1,2-Dichlorobenzene	7/24/01	1	2	BQL
1,3-Dichlorobenzene	7/24/01	1	2	BQL
1,4-Dichlorobenzene	7/24/01	1	2	BQL
Ethylbenzene	7/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/24/01	1	2	BQL
Toluene	7/24/01	1	1	BQL
m/p-Xylene	7/24/01	1	2	BQL
o-Xylene	7/24/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	37	93

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-TRIP-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23990
Lab Project ID: G182-678

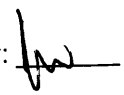
Analyzed By: EES
Date Collected: 07/16/01
Date Received: 07/17/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/25/01	1	1	BQL
Chlorobenzene	7/25/01	1	1	BQL
1,2-Dichlorobenzene	7/25/01	1	2	BQL
1,3-Dichlorobenzene	7/25/01	1	2	BQL
1,4-Dichlorobenzene	7/25/01	1	2	BQL
Ethylbenzene	7/25/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/25/01	1	2	BQL
Toluene	7/25/01	1	1	BQL
m/p-Xylene	7/25/01	1	2	BQL
o-Xylene	7/25/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	37	91

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW04-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23974
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/21/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

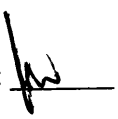
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
Nitrobenzene-d5	10	8.8	88
4-Terphenyl-d14	10	6.8	68

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW08-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23975
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/21/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	5.7	57

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW09-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23976
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/21/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.7	57
Nitrobenzene-d5	10	8.6	86
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW10-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23977
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/21/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
Nitrobenzene-d5	10	8.1	81
4-Terphenyl-d14	10	4.7	47

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW11-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23978
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/21/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.0	70
Nitrobenzene-d5	10	6.7	67
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW13-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23979
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/21/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.7	77
Nitrobenzene-d5	10	7.7	77
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW14-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23980
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
Nitrobenzene-d5	10	7.8	78
4-Terphenyl-d14	10	8.8	88

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW15-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23981
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

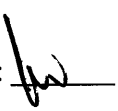
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.0	60
Nitrobenzene-d5	10	5.8	58
4-Terphenyl-d14	10	9.0	90

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW17-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23982
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

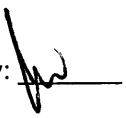
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.0	70
Nitrobenzene-d5	10	6.9	69
4-Terphenyl-d14	10	9.1	91

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-DUP1-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23983
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

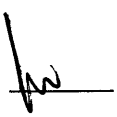
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	7.3	73

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-DUP2-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23984
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

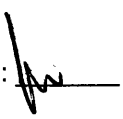
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	8.2	82
4-Terphenyl-d14	10	6.2	62

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW01-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23985
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.0	70
Nitrobenzene-d5	10	8.1	81
4-Terphenyl-d14	10	4.9	49

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW03-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23986
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
Nitrobenzene-d5	10	8.4	84
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW05-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23987
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.5	75
Nitrobenzene-d5	10	7.3	73
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW07-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23988
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.0	80
Nitrobenzene-d5	10	7.9	79
4-Terphenyl-d14	10	4.4	44

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-EQ-01C
Client Project ID: BLDG AS4158
Lab Sample ID: 23989
Lab Project ID: G182-678
Matrix: Water

Date Collected: 7/16/2001
Date Received: 7/17/2001
Date Analyzed: 7/25/2001
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.5	75
Nitrobenzene-d5	10	7.5	75
4-Terphenyl-d14	10	9.3	93

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: BLDG AS4158
P.O Number:
Contact : Jeff Henniger
Phone: 904-363-0911

Date: 7/16/2001
Turnaround: STANDARD
Job Number: T.O. 67D
Page 1 OF 2

Report To: Jeff Henniger

Invoice To: T.O. 67D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610	Comments
										G182-678
USTAS4158-MW04-01C	7/16/01	1130	GW	3		1		X	X	
USTAS4158-MW08-01C	7/16/01	1145	GW	3		1		X	X	
USTAS4158-MW09-01C	7/16/01	1225	GW	3		1		X	X	EDD
USTAS4158-MW10-01C	7/16/01	1255	GW	3		1		X	X	Send To:
USTAS4158-MW11-01C	7/16/01	1140	GW	3		1		X	X	evansp@clb.usmc.mil
USTAS4158-MW13-01C	7/16/01	1120	GW	3		1		X	X	Copy To:
USTAS4158-MW14-01C	7/16/01	1100	GW	3		1		X	X	pauln@clb.usmc.mil
USTAS4158-MW15-01C	7/16/01	1030	GW	3		1		X	X	
USTAS4158-MW17-01C	7/16/01	1210	GW	3		1		X	X	
USTAS4158-DUP1-01C	7/16/01	—	GW	3		1		X	X	
USTAS4158-DUP2-01C	7/16/01	—	GW	3		1		X	X	
[redacted]	[redacted]	[redacted]	[redacted]							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	7/16/01	1130	[signature]	7/17/01	0945	5.5°C 0.9°C, 3B9	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
Address: Suite 10
Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: BLDG AS4158
P.O Number:
Contact : Jeff Henniger
Phone: 904-363-0911

Date: ~~4/17/2001~~ 7/16/01
Turnaround: STANDARD
Job Number: T.O. 67D
Page 2 **OF** 2

Report To: Jeff Henniger

Invoice To: T.O. 67D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						
USTAS4158-MW01-01C	7/16/01	1350	GW	3		1		X	X						
~~USTAS4158-MW02-01C~~	~~7/16/01~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						EDD
USTAS4158-MW03-01C	7/16/01	1410	GW	3		1		X	X						Send To:
USTAS4158-MW05-01C	7/16/01	1330	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW07-01C	7/16/01	1315	GW	3		1		X	X						Copy To:
USTAS4158-EQ-01C	7/16/01	1600	W	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-TRIP-01C	7/16/01	—	W	2				X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	7/16/01	1630					ELLERMAN	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW04-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18591
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/24/01	1	1	BQL
Chlorobenzene	4/24/01	1	1	BQL
1,2-Dichlorobenzene	4/24/01	1	2	BQL
1,3-Dichlorobenzene	4/24/01	1	2	BQL
1,4-Dichlorobenzene	4/24/01	1	2	BQL
Ethylbenzene	4/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/24/01	1	2	BQL
Toluene	4/24/01	1	1	BQL
m/p-Xylene	4/24/01	1	2	BQL
o-Xylene	4/24/01	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: USTAS4158-MW08-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18592
Lab Project ID: G182-649

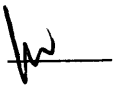
Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/25/01	1	1	BQL
Chlorobenzene	4/25/01	1	1	BQL
1,2-Dichlorobenzene	4/25/01	1	2	BQL
1,3-Dichlorobenzene	4/25/01	1	2	BQL
1,4-Dichlorobenzene	4/25/01	1	2	BQL
Ethylbenzene	4/25/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/25/01	1	2	BQL
Toluene	4/25/01	1	1	BQL
m/p-Xylene	4/25/01	1	2	BQL
o-Xylene	4/25/01	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: USTAS4158-MW09-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18593
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/25/01	10	10	**180**
Chlorobenzene	4/25/01	10	10	BQL
1,2-Dichlorobenzene	4/25/01	10	20	BQL
1,3-Dichlorobenzene	4/25/01	10	20	BQL
1,4-Dichlorobenzene	4/25/01	10	20	BQL
Ethylbenzene	4/25/01	10	10	**13**
Methyl-tert-butyl ether (MTBE)	4/25/01	10	20	BQL
Toluene	4/25/01	10	10	BQL
m/p-Xylene	4/25/01	10	20	**24**
o-Xylene	4/25/01	10	20	BQL

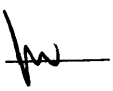
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW10-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18594
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/24/01	1	1	BQL
Chlorobenzene	4/24/01	1	1	BQL
1,2-Dichlorobenzene	4/24/01	1	2	BQL
1,3-Dichlorobenzene	4/24/01	1	2	BQL
1,4-Dichlorobenzene	4/24/01	1	2	BQL
Ethylbenzene	4/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/24/01	1	2	BQL
Toluene	4/24/01	1	1	BQL
m/p-Xylene	4/24/01	1	2	BQL
o-Xylene	4/24/01	1	2	BQL

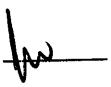
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW11-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18595
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	4/24/01	1	1		2
Chlorobenzene	4/24/01	1	1	BQL	
1,2-Dichlorobenzene	4/24/01	1	2	BQL	
1,3-Dichlorobenzene	4/24/01	1	2	BQL	
1,4-Dichlorobenzene	4/24/01	1	2	BQL	
Ethylbenzene	4/24/01	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	4/24/01	1	2		5
Toluene	4/24/01	1	1	BQL	
m/p-Xylene	4/24/01	1	2	BQL	
o-Xylene	4/24/01	1	2	BQL	

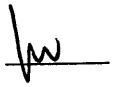
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	103

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW13-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18596
Lab Project ID: G182-649

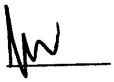
Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/25/01	1	1	**35**
Chlorobenzene	4/25/01	1	1	BQL
1,2-Dichlorobenzene	4/25/01	1	2	BQL
1,3-Dichlorobenzene	4/25/01	1	2	BQL
1,4-Dichlorobenzene	4/25/01	1	2	BQL
Ethylbenzene	4/25/01	1	1	**3**
Methyl-tert-butyl ether (MTBE)	4/25/01	1	2	**52**
Toluene	4/25/01	1	1	**7**
m/p-Xylene	4/25/01	1	2	**7**
o-Xylene	4/25/01	1	2	**6**

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: USTAS4158-MW14-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18597
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/25/01	1	1	BQL
Chlorobenzene	4/25/01	1	1	BQL
1,2-Dichlorobenzene	4/25/01	1	2	BQL
1,3-Dichlorobenzene	4/25/01	1	2	BQL
1,4-Dichlorobenzene	4/25/01	1	2	BQL
Ethylbenzene	4/25/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/25/01	1	2	BQL
Toluene	4/25/01	1	1	BQL
m/p-Xylene	4/25/01	1	2	BQL
o-Xylene	4/25/01	1	2	BQL

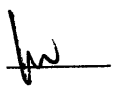
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	106

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW15-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18598
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/24/01	1	1	BQL
Chlorobenzene	4/24/01	1	1	BQL
1,2-Dichlorobenzene	4/24/01	1	2	BQL
1,3-Dichlorobenzene	4/24/01	1	2	BQL
1,4-Dichlorobenzene	4/24/01	1	2	BQL
Ethylbenzene	4/24/01	1	1	2
Methyl-tert-butyl ether (MTBE)	4/24/01	1	2	BQL
Toluene	4/24/01	1	1	1
m/p-Xylene	4/24/01	1	2	4
o-Xylene	4/24/01	1	2	2

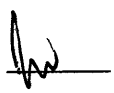
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	103

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW17-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18599
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	4/24/01	1	1	BQL	
Chlorobenzene	4/24/01	1	1	BQL	
1,2-Dichlorobenzene	4/24/01	1	2	BQL	
1,3-Dichlorobenzene	4/24/01	1	2	BQL	
1,4-Dichlorobenzene	4/24/01	1	2	BQL	
Ethylbenzene	4/24/01	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	4/24/01	1	2		8
Toluene	4/24/01	1	1	BQL	
m/p-Xylene	4/24/01	1	2	BQL	
o-Xylene	4/24/01	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: USTAS4158-DUP1-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18600
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/24/01	1	1	**34**
Chlorobenzene	4/24/01	1	1	BQL
1,2-Dichlorobenzene	4/24/01	1	2	BQL
1,3-Dichlorobenzene	4/24/01	1	2	BQL
1,4-Dichlorobenzene	4/24/01	1	2	BQL
Ethylbenzene	4/24/01	1	1	**3**
Methyl-tert-butyl ether (MTBE)	4/24/01	1	2	**59**
Toluene	4/24/01	1	1	**7**
m/p-Xylene	4/24/01	1	2	**6**
o-Xylene	4/24/01	1	2	**5**

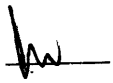
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-DUP2-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18601
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/24/01	1	1	BQL
Chlorobenzene	4/24/01	1	1	BQL
1,2-Dichlorobenzene	4/24/01	1	2	BQL
1,3-Dichlorobenzene	4/24/01	1	2	BQL
1,4-Dichlorobenzene	4/24/01	1	2	BQL
Ethylbenzene	4/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/24/01	1	2	BQL
Toluene	4/24/01	1	1	BQL
m/p-Xylene	4/24/01	1	2	BQL
o-Xylene	4/24/01	1	2	BQL

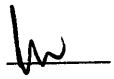
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW18-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18602
Lab Project ID: G182-649

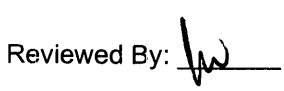
Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/25/01	1	1	BQL
Chlorobenzene	4/25/01	1	1	BQL
1,2-Dichlorobenzene	4/25/01	1	2	BQL
1,3-Dichlorobenzene	4/25/01	1	2	BQL
1,4-Dichlorobenzene	4/25/01	1	2	BQL
Ethylbenzene	4/25/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/25/01	1	2	BQL
Toluene	4/25/01	1	1	BQL
m/p-Xylene	4/25/01	1	2	BQL
o-Xylene	4/25/01	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: USTAS4158-MW01-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18603
Lab Project ID: G182-649

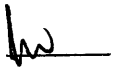
Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/23/01	1	1	BQL
Chlorobenzene	4/23/01	1	1	BQL
1,2-Dichlorobenzene	4/23/01	1	2	BQL
1,3-Dichlorobenzene	4/23/01	1	2	BQL
1,4-Dichlorobenzene	4/23/01	1	2	BQL
Ethylbenzene	4/23/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/23/01	1	2	BQL
Toluene	4/23/01	1	1	BQL
m/p-Xylene	4/23/01	1	2	BQL
o-Xylene	4/23/01	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: USTAS4158-MW03-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18604
Lab Project ID: G182-649

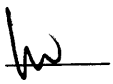
Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/25/01	1	1	BQL
Chlorobenzene	4/25/01	1	1	BQL
1,2-Dichlorobenzene	4/25/01	1	2	BQL
1,3-Dichlorobenzene	4/25/01	1	2	BQL
1,4-Dichlorobenzene	4/25/01	1	2	BQL
Ethylbenzene	4/25/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/25/01	1	2	BQL
Toluene	4/25/01	1	1	BQL
m/p-Xylene	4/25/01	1	2	BQL
o-Xylene	4/25/01	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 Volatiles

by GC 602

Client Sample ID: USTAS4158-MW05-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18605
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/25/01	1	1	BQL
Chlorobenzene	4/25/01	1	1	BQL
1,2-Dichlorobenzene	4/25/01	1	2	BQL
1,3-Dichlorobenzene	4/25/01	1	2	BQL
1,4-Dichlorobenzene	4/25/01	1	2	BQL
Ethylbenzene	4/25/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/25/01	1	2	BQL
Toluene	4/25/01	1	1	BQL
m/p-Xylene	4/25/01	1	2	BQL
o-Xylene	4/25/01	1	2	BQL

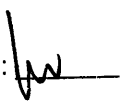
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW07-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18606
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/25/01	1	1	BQL
Chlorobenzene	4/25/01	1	1	BQL
1,2-Dichlorobenzene	4/25/01	1	2	BQL
1,3-Dichlorobenzene	4/25/01	1	2	BQL
1,4-Dichlorobenzene	4/25/01	1	2	BQL
Ethylbenzene	4/25/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/25/01	1	2	BQL
Toluene	4/25/01	1	1	BQL
m/p-Xylene	4/25/01	1	2	BQL
o-Xylene	4/25/01	1	2	BQL

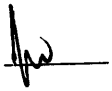
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-EQ-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18607
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/25/01	1	1	BQL
Chlorobenzene	4/25/01	1	1	BQL
1,2-Dichlorobenzene	4/25/01	1	2	BQL
1,3-Dichlorobenzene	4/25/01	1	2	BQL
1,4-Dichlorobenzene	4/25/01	1	2	BQL
Ethylbenzene	4/25/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/25/01	1	2	BQL
Toluene	4/25/01	1	1	BQL
m/p-Xylene	4/25/01	1	2	BQL
o-Xylene	4/25/01	1	2	BQL

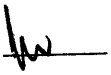
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	42	105

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-TRIP-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18608
Lab Project ID: G182-649

Analyzed By: EKR
Date Collected: 04/17/01
Date Received: 04/18/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/24/01	1	1	BQL
Chlorobenzene	4/24/01	1	1	BQL
1,2-Dichlorobenzene	4/24/01	1	2	BQL
1,3-Dichlorobenzene	4/24/01	1	2	BQL
1,4-Dichlorobenzene	4/24/01	1	2	BQL
Ethylbenzene	4/24/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/24/01	1	2	BQL
Toluene	4/24/01	1	1	BQL
m/p-Xylene	4/24/01	1	2	BQL
o-Xylene	4/24/01	1	2	BQL

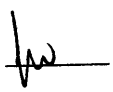
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	97

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW04-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18591
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.1	71
Nitrobenzene-d5	10	7.1	71
4-Terphenyl-d14	10	4.7	47

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW08-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18592
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
Nitrobenzene-d5	10	8.7	87
4-Terphenyl-d14	10	6.1	61

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW09-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18593
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
Analyzed By: MRC
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Acenaphthene	10	**17**
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**13**
2-Methylnaphthalene	10	**13**
Naphthalene	10	**28**
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	4.3	43
Nitrobenzene-d5	10	8.4	84
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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW10-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18594
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.5	75
Nitrobenzene-d5	10	7.3	73
4-Terphenyl-d14	10	4.1	41

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW11-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18595
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	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 Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW13-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18596
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

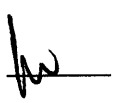
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	8.4	84
4-Terphenyl-d14	10	4.7	47

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW14-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18597
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	10	7.8	78
4-Terphenyl-d14	10	4.1	41

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW15-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18598
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.3	63
Nitrobenzene-d5	10	4.8	48
4-Terphenyl-d14	10	5.2	52

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: JW

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW17-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18599
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	8.6	86
4-Terphenyl-d14	10	9.6	96

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-DUP1-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18600
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	8.0	80
4-Terphenyl-d14	10	5.2	52

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-DUP2-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18601
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
Nitrobenzene-d5	10	7.0	70
4-Terphenyl-d14	10	4.1	41

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW18-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18602
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

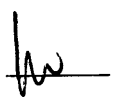
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	8.2	82
4-Terphenyl-d14	10	9.5	95

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW01-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18603
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.8	58
Nitrobenzene-d5	10	7.8	78
4-Terphenyl-d14	10	3.0	30

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW03-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18604
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.3	73
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	2.9	29

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW05-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18605
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.0	90
Nitrobenzene-d5	10	8.5	85
4-Terphenyl-d14	10	7.4	74

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-MW07-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18606
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

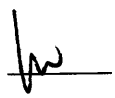
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
Nitrobenzene-d5	10	7.8	78
4-Terphenyl-d14	10	5.1	51

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynulcear Aromatic Hydrocarbons

EPA 610 by GCMS 8270

Client Sample ID: USTAS4158-EQ-01B
Client Project ID: BLDG AS4158
Lab Sample ID: 18607
Lab Project ID: G182-649
Matrix: Water

Date Collected: 4/17/01
Date Received: 4/18/01
Date Analyzed: 4/25/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.8	78
Nitrobenzene-d5	10	7.6	76
4-Terphenyl-d14	10	11.2	112

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: BLDG AS4158
P.O Number:
Contact : Jeff Henniger
Phone: 904-363-0911

Date: 4/17/2001
Turnaround: STANDARD
Job Number: T.O. 67D
Page 1 OF 2

Report To: Jeff Henniger

Invoice To: T.O. 67D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610						Comments
															G182-649
USTAS4158-MW04-01B	4/17/01	1530	GW	3		1		X	X						
USTAS4158-MW08-01B	4/17/01	1420	GW	3		1		X	X						EDD
USTAS4158-MW09-01B	4/17/01	1330	GW	3		1		X	X						Send To:
USTAS4158-MW10-01B	4/17/01	1355	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW11-01B	4/17/01	1230	GW	3		1		X	X						Copy To:
USTAS4158-MW13-01B	4/17/01	1215	GW	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-MW14-01B	4/17/01	1145	GW	3		1		X	X						
USTAS4158-MW15-01B	4/17/01	1045	GW	3		1		X	X						
USTAS4158-MW17-01B	4/17/01	1305	GW	3		1		X	X						
USTAS4158-DUP1-01B	4/17/01	—	GW	3		1		X	X						
USTAS4158-DUP2-01B	4/17/01	—	GW	3		1		X	X						
USTAS4158-MW18-01B	4/17/01	1125	GW	3		1		X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	4/17/01	1700 ~~16:00~~	Julie Johns	4/18/01	0918	5.0, 4.8	Ellerman	

NC Certification #481

Paradigm Analytical Laboratories, Inc

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:**	BLDG AS4158	**Date:** 4/17/2001	**Report To:** Jeff Henniger
Address:	8936 Western Way	**P.O Number:**		**Turnaround:** STANDARD	
Address:	Suite 10	**Contact :**	Jeff Henniger	**Job Number:** T.O. 67D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page** 1 OF 1	**Invoice To:** T.O. 67D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						G182-649
USTAS4158-MW01-01B	4/17/01	1440	GW	3		1		X	X						
~~USTAS4158-MW02-01B~~	~~4/17/01~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						EDD
USTAS4158-MW03-01B	4/17/01	1500	GW	3		1		X	X						Send To:
USTAS4158-MW05-01B	4/17/01	1550	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW07-01B	4/17/01	1610	GW	3		1		X	X						Copy To:
USTAS4158-EQ-01B	4/17/01	1645	W	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-TRIP-01B	4/17/01	—	W	2				X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	4/17/01	1700 ~~16:00~~	Julie Johnson	4/18/01	0918	5.0, 4.8	ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW04-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12388
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/10/01	1	1	BQL
Chlorobenzene	1/10/01	1	1	BQL
1,2-Dichlorobenzene	1/10/01	1	2	BQL
1,3-Dichlorobenzene	1/10/01	1	2	BQL
1,4-Dichlorobenzene	1/10/01	1	2	BQL
Ethylbenzene	1/10/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/10/01	1	2	BQL
Toluene	1/10/01	1	1	BQL
m/p-Xylene	1/10/01	1	2	BQL
o-Xylene	1/10/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	96

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By:

PARADIGM ANALYTICAL LABORATORIES, INC.
2627 Northchase Parkway S.E.
Wilmington, North Carolina 28405
(910) 350-1903
Fax (910) 350-1557

January 22, 2001

Mr. Jeff Henninger
J.A. Jones Environmental Services
8936 Western Way, Suite 10
Jacksonville, Fl 32256

Report Number: G182-605

Client Project ID: BLDG AS4158

Dear Mr. Henninger,

Enclosed are the results of the analytical services performed under the referenced project. Copies of this report and supporting data will be retained in our files for a period of five years in the event they are required for future reference. Any samples submitted to our laboratory will be retained for a maximum of thirty (30) days from the date of this report unless other arrangements are requested.

If there are any questions about the report or the services performed during this project, please call for assistance. We will be happy to answer any questions or concerns which you may have.

Thank you for using Paradigm Analytical Labs for your analytical services. We look forward to working with you again on any additional analytical needs which you may have.

Sincerely,

Paradigm Analytical Laboratories, Inc.

Laboratory Director
Mark Randall

PARADIGM ANALYTICAL LABORATORIES, INC.

Facsimile Cover Sheet

Results enclosed ☐

TO: Jeff Hennigan
Name Company Fax Number

FROM: Ashley
Name

DATE: _____

RE: _____

COMMENTS

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

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

Cover Sheet + _____ Pages

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW08-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12389
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/10/01	1	1	BQL
Chlorobenzene	1/10/01	1	1	BQL
1,2-Dichlorobenzene	1/10/01	1	2	BQL
1,3-Dichlorobenzene	1/10/01	1	2	BQL
1,4-Dichlorobenzene	1/10/01	1	2	BQL
Ethylbenzene	1/10/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/10/01	1	2	BQL
Toluene	1/10/01	1	1	BQL
m/p-Xylene	1/10/01	1	2	BQL
o-Xylene	1/10/01	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: USTAS4158-MW09-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12390
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/10/01	8	8	**160**
Chlorobenzene	1/10/01	8	8	BQL
1,2-Dichlorobenzene	1/10/01	8	16	BQL
1,3-Dichlorobenzene	1/10/01	8	16	BQL
1,4-Dichlorobenzene	1/10/01	8	16	BQL
Ethylbenzene	1/10/01	8	8	**10**
Methyl-tert-butyl ether (MTBE)	1/10/01	8	16	BQL
Toluene	1/10/01	8	8	BQL
m/p-Xylene	1/10/01	8	16	**32**
o-Xylene	1/10/01	8	16	BQL

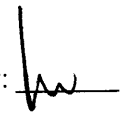
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	38	95

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW10-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12391
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/10/01	1	1	BQL
Chlorobenzene	1/10/01	1	1	BQL
1,2-Dichlorobenzene	1/10/01	1	2	BQL
1,3-Dichlorobenzene	1/10/01	1	2	BQL
1,4-Dichlorobenzene	1/10/01	1	2	BQL
Ethylbenzene	1/10/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/10/01	1	2	BQL
Toluene	1/10/01	1	1	BQL
m/p-Xylene	1/10/01	1	2	BQL
o-Xylene	1/10/01	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 Volatiles

by GC 602

Client Sample ID: USTAS4158-MW11-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12392
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	1	1	**10**
Chlorobenzene	1/11/01	1	1	BQL
1,2-Dichlorobenzene	1/11/01	1	2	BQL
1,3-Dichlorobenzene	1/11/01	1	2	BQL
1,4-Dichlorobenzene	1/11/01	1	2	BQL
Ethylbenzene	1/11/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/11/01	1	2	**4**
Toluene	1/11/01	1	1	BQL
m/p-Xylene	1/11/01	1	2	BQL
o-Xylene	1/11/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	91

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW13-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12393
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	10	10	**150**
Chlorobenzene	1/11/01	10	10	BQL
1,2-Dichlorobenzene	1/11/01	10	20	BQL
1,3-Dichlorobenzene	1/11/01	10	20	BQL
1,4-Dichlorobenzene	1/11/01	10	20	BQL
Ethylbenzene	1/11/01	10	10	**43**
Methyl-tert-butyl ether (MTBE)	1/11/01	10	20	**35**
Toluene	1/11/01	10	10	**67**
m/p-Xylene	1/11/01	10	20	**69**
o-Xylene	1/11/01	10	20	**85**

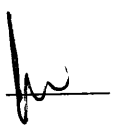
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	90

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW14-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12394
Lab Project ID: G182-605

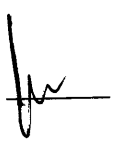
Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	1	1	BQL
Chlorobenzene	1/11/01	1	1	BQL
1,2-Dichlorobenzene	1/11/01	1	2	BQL
1,3-Dichlorobenzene	1/11/01	1	2	BQL
1,4-Dichlorobenzene	1/11/01	1	2	BQL
Ethylbenzene	1/11/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/11/01	1	2	BQL
Toluene	1/11/01	1	1	BQL
m/p-Xylene	1/11/01	1	2	BQL
o-Xylene	1/11/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	90

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW15-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12395
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	1	1	BQL
Chlorobenzene	1/11/01	1	1	BQL
1,2-Dichlorobenzene	1/11/01	1	2	BQL
1,3-Dichlorobenzene	1/11/01	1	2	BQL
1,4-Dichlorobenzene	1/11/01	1	2	BQL
Ethylbenzene	1/11/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/11/01	1	2	BQL
Toluene	1/11/01	1	1	BQL
m/p-Xylene	1/11/01	1	2	BQL
o-Xylene	1/11/01	1	2	BQL

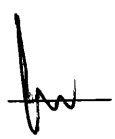
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	37	91

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW17-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12396
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	1/11/01	1	1	BQL	
Chlorobenzene	1/11/01	1	1	BQL	
1,2-Dichlorobenzene	1/11/01	1	2	BQL	
1,3-Dichlorobenzene	1/11/01	1	2	BQL	
1,4-Dichlorobenzene	1/11/01	1	2	BQL	
Ethylbenzene	1/11/01	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	1/11/01	1	2		3
Toluene	1/11/01	1	1	BQL	
m/p-Xylene	1/11/01	1	2	BQL	
o-Xylene	1/11/01	1	2	BQL	

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	35	88

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-DUP1-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12397
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	8	8	**140**
Chlorobenzene	1/11/01	8	8	BQL
1,2-Dichlorobenzene	1/11/01	8	16	BQL
1,3-Dichlorobenzene	1/11/01	8	16	BQL
1,4-Dichlorobenzene	1/11/01	8	16	BQL
Ethylbenzene	1/11/01	8	8	**43**
Methyl-tert-butyl ether (MTBE)	1/11/01	8	16	**34**
Toluene	1/11/01	8	8	**67**
m/p-Xylene	1/11/01	8	16	**69**
o-Xylene	1/11/01	8	16	**85**

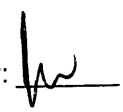
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	90

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-DUP2-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12398
Lab Project ID: G182-605

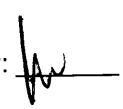
Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	1	1	BQL
Chlorobenzene	1/11/01	1	1	BQL
1,2-Dichlorobenzene	1/11/01	1	2	BQL
1,3-Dichlorobenzene	1/11/01	1	2	BQL
1,4-Dichlorobenzene	1/11/01	1	2	BQL
Ethylbenzene	1/11/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/11/01	1	2	BQL
Toluene	1/11/01	1	1	BQL
m/p-Xylene	1/11/01	1	2	BQL
o-Xylene	1/11/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	37	92

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW03-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12399
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	1	1	BQL
Chlorobenzene	1/11/01	1	1	BQL
1,2-Dichlorobenzene	1/11/01	1	2	BQL
1,3-Dichlorobenzene	1/11/01	1	2	BQL
1,4-Dichlorobenzene	1/11/01	1	2	BQL
Ethylbenzene	1/11/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/11/01	1	2	BQL
Toluene	1/11/01	1	1	13
m/p-Xylene	1/11/01	1	2	BQL
o-Xylene	1/11/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	90

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW05-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12400
Lab Project ID: G182-605

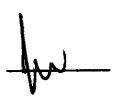
Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	1	1	BQL
Chlorobenzene	1/11/01	1	1	BQL
1,2-Dichlorobenzene	1/11/01	1	2	BQL
1,3-Dichlorobenzene	1/11/01	1	2	BQL
1,4-Dichlorobenzene	1/11/01	1	2	BQL
Ethylbenzene	1/11/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/11/01	1	2	BQL
Toluene	1/11/01	1	1	BQL
m/p-Xylene	1/11/01	1	2	BQL
o-Xylene	1/11/01	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	90

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW07-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12401
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	1	1	BQL
Chlorobenzene	1/11/01	1	1	BQL
1,2-Dichlorobenzene	1/11/01	1	2	BQL
1,3-Dichlorobenzene	1/11/01	1	2	BQL
1,4-Dichlorobenzene	1/11/01	1	2	BQL
Ethylbenzene	1/11/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/11/01	1	2	BQL
Toluene	1/11/01	1	1	BQL
m/p-Xylene	1/11/01	1	2	BQL
o-Xylene	1/11/01	1	2	BQL

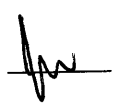
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	36	90

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-EQ-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12402
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/11/01	1	1	BQL
Chlorobenzene	1/11/01	1	1	BQL
1,2-Dichlorobenzene	1/11/01	1	2	BQL
1,3-Dichlorobenzene	1/11/01	1	2	BQL
1,4-Dichlorobenzene	1/11/01	1	2	BQL
Ethylbenzene	1/11/01	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/11/01	1	2	BQL
Toluene	1/11/01	1	1	BQL
m/p-Xylene	1/11/01	1	2	BQL
o-Xylene	1/11/01	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: USTAS4158-TRIP-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12403
Lab Project ID: G182-605

Analyzed By: EES
Date Collected: 01/04/01
Date Received: 01/05/01
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	1/13/01	1	1	BQL	
Chlorobenzene	1/13/01	1	1	BQL	
1,2-Dichlorobenzene	1/13/01	1	2	BQL	
1,3-Dichlorobenzene	1/13/01	1	2	BQL	
1,4-Dichlorobenzene	1/13/01	1	2	BQL	
Ethylbenzene	1/13/01	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	1/13/01	1	2	BQL	
Toluene	1/13/01	1	1		3
m/p-Xylene	1/13/01	1	2	BQL	
o-Xylene	1/13/01	1	2	BQL	

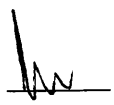
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	98

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12388
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	6.2	62

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12389
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	10.8	108

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW09-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12390
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**63**
2-Methylnaphthalene	10	**35**
Naphthalene	10	**54**
Phenanthrene	10	**23**
Pyrene	10	**14**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
Nitrobenzene-d5	10	10.1	101
4-Terphenyl-d14	10	6.1	61

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12391
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.1	61
Nitrobenzene-d5	10	5.9	59
4-Terphenyl-d14	10	9.6	96

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12392
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	10.3	103

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12393
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	11
Phenanthrene	10	BQL
Pyrene	10	BQL

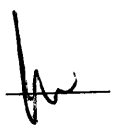
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
Nitrobenzene-d5	10	8.2	82
4-Terphenyl-d14	10	10.4	104

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12394
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

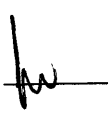
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
Nitrobenzene-d5	10	8.1	81
4-Terphenyl-d14	10	9.2	92

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12395
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

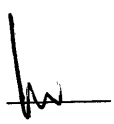
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	9.9	99

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12396
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
Nitrobenzene-d5	10	9.1	91
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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12397
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	11
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
Nitrobenzene-d5	10	8.7	87
4-Terphenyl-d14	10	8.6	86

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: JW

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12398
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
Nitrobenzene-d5	10	8.7	87
4-Terphenyl-d14	10	10.7	107

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW03-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12399
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

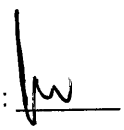
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.9	69
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	5.9	59

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW05-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12400
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/11/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

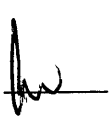
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.2	82
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	10.4	104

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW07-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12401
Lab Project ID: G182-605
Matrix: Water

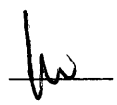
Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/16/01
Analyzed By: MRC
Dilution: 1

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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
Nitrobenzene-d5	10	8.5	85
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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-EQ-01A
Client Project ID: BLDG AS4158
Lab Sample ID: 12402
Lab Project ID: G182-605
Matrix: Water

Date Collected: 1/4/01
Date Received: 1/5/01
Date Analyzed: 1/16/01
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
Nitrobenzene-d5	10	7.9	79
4-Terphenyl-d14	10	10.4	104

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
Address: Suite 10
Jacksonville, Fla. 32256

Project ID: BLDG AS4158
P.O Number:
Contact : Jeff Henniger
Phone: 904-363-0911

Date: 01/04/01
Turnaround: STANDARD
Job Number: T.O. 35D
Page 1 OF 1 2

Report To: Jeff Henniger

Invoice To: T.O. 35D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610	Comments
~~USTAS4158-MW01-01A~~	~~1/4/01~~									G182-605
~~USTAS4158-MW02-01A~~	~~1/4/01~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~	
USTAS4158-MW03-01A	1/4/01	11:25	GW	3		1		X	X	EDD
USTAS4158-MW05-01A	1/4/01	9:35	GW	3		1		X	X	Send To:
USTAS4158-MW07-01A	1/4/01	9:55	GW	3		1		X	X	evansp@clb.usmc.mil
USTAS4158-EQ-01A	1/4/01	14:30	W	3		1		X	X	Copy To:
USTAS4158-TRIP-01A	1/4/01	—	W	2				X		pauln@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
R. Sample	1/4/01	16:00		1/5/01	0935	0.3°C 1.8C	ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

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: BLDG AS4158
P.O Number:
Contact : Jeff Henniger
Phone: 904-363-0911

Date: 01/04/01
Turnaround: STANDARD
Job Number: T.O. 35D
Page 1 OF 1 282

Report To: Jeff Henniger

Invoice To: T.O. 35D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610						Comments
															5182-605
USTAS4158-MW04-01A	1/4/01	9:20	GW	3		1		X	X						
USTAS4158-MW08-01A	1/4/01	11:35	GW	3		1		X	X						EDD
USTAS4158-MW09-01A	1/4/01	11:15	GW	3		1		X	X						Send To:
USTAS4158-MW10-01A	1/4/01	10:10	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW11-01A	1/4/01	10:45	GW	3		1		X	X						Copy To:
USTAS4158-MW13-01A	1/4/01	10:20	GW	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-MW14-01A	1/4/01	9:20	GW	3		1		X	X						
USTAS4158-MW15-01A	1/4/01	10:30	GW	3		1		X	X						
USTAS4158-MW17-01A	1/4/01	11:00	GW	3		1		X	X						
USTAS4158-DUP1-01A	1/4/01	—	GW	3		1		X	X						
USTAS4158-DUP2-01A	1/4/01	—	GW	3		1		X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
R. Sample	1/4/01	16:00		1/5/01	0935	1.8, 0.3	Ellerman	
							sample	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW01-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97436
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/31/00	1	1	BQL
Chlorobenzene	10/31/00	1	1	BQL
1,2-Dichlorobenzene	10/31/00	1	2	BQL
1,3-Dichlorobenzene	10/31/00	1	2	BQL
1,4-Dichlorobenzene	10/31/00	1	2	BQL
Ethylbenzene	10/31/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/31/00	1	2	BQL
Toluene	10/31/00	1	1	BQL
m/p-Xylene	10/31/00	1	2	BQL
o-Xylene	10/31/00	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: [signature]

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW02-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97437
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: USTAS4158-MW03-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97438
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: USTAS4158-MW05-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97439
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: MA

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW07-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97440
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: USTAS4158-EQ-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97441
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: MA

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-TRIP-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97442
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	1
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: USTAS4158-MW04-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97443
Lab Project ID: G182-581

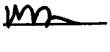
Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	10/25/00	1	1	BQL	
Chlorobenzene	10/25/00	1	1	BQL	
1,2-Dichlorobenzene	10/25/00	1	2	BQL	
1,3-Dichlorobenzene	10/25/00	1	2	BQL	
1,4-Dichlorobenzene	10/25/00	1	2	BQL	
Ethylbenzene	10/25/00	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL	
Toluene	10/25/00	1	1		2
m/p-Xylene	10/25/00	1	2	BQL	
o-Xylene	10/25/00	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: USTAS4158-MW08-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97444
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: USTAS4158-MW09-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97445
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	5	5	**100**
Chlorobenzene	10/25/00	5	5	BQL
1,2-Dichlorobenzene	10/25/00	5	10	BQL
1,3-Dichlorobenzene	10/25/00	5	10	BQL
1,4-Dichlorobenzene	10/25/00	5	10	BQL
Ethylbenzene	10/25/00	5	5	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	5	10	**11**
Toluene	10/25/00	5	5	BQL
m/p-Xylene	10/25/00	5	10	BQL
o-Xylene	10/25/00	5	10	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: USTAS4158-MW10-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97446
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: USTAS4158-MW11-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97447
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	**16**
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	**7**
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: USTAS4158-MW13-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97448
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/26/00	50	50	**300**
Chlorobenzene	10/26/00	50	50	BQL
1,2-Dichlorobenzene	10/26/00	50	100	BQL
1,3-Dichlorobenzene	10/26/00	50	100	BQL
1,4-Dichlorobenzene	10/26/00	50	100	BQL
Ethylbenzene	10/26/00	50	50	**550**
Methyl-tert-butyl ether (MTBE)	10/26/00	50	100	BQL
Toluene	10/26/00	50	50	**610**
m/p-Xylene	10/26/00	50	100	**740**
o-Xylene	10/26/00	50	100	**540**

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: USTAS4158-MW14-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97449
Lab Project ID: G182-581

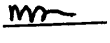
Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: USTAS4158-MW15-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97450
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: mm

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW17-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97451
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	10/25/00	1	1	BQL	
Chlorobenzene	10/25/00	1	1	BQL	
1,2-Dichlorobenzene	10/25/00	1	2	BQL	
1,3-Dichlorobenzene	10/25/00	1	2	BQL	
1,4-Dichlorobenzene	10/25/00	1	2	BQL	
Ethylbenzene	10/25/00	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2		3
Toluene	10/25/00	1	1	BQL	
m/p-Xylene	10/25/00	1	2	BQL	
o-Xylene	10/25/00	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: m

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-DUP1-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97452
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/26/00	50	50	**310**
Chlorobenzene	10/26/00	50	50	BQL
1,2-Dichlorobenzene	10/26/00	50	100	BQL
1,3-Dichlorobenzene	10/26/00	50	100	BQL
1,4-Dichlorobenzene	10/26/00	50	100	BQL
Ethylbenzene	10/26/00	50	50	**560**
Methyl-tert-butyl ether (MTBE)	10/26/00	50	100	BQL
Toluene	10/26/00	50	50	**630**
m/p-Xylene	10/26/00	50	100	**770**
o-Xylene	10/26/00	50	100	**550**

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: USTAS4158-DUP2-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97453
Lab Project ID: G182-581

Analyzed By: RNP
Date Collected: 10/18/00
Date Received: 10/19/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/25/00	1	1	BQL
Chlorobenzene	10/25/00	1	1	BQL
1,2-Dichlorobenzene	10/25/00	1	2	BQL
1,3-Dichlorobenzene	10/25/00	1	2	BQL
1,4-Dichlorobenzene	10/25/00	1	2	BQL
Ethylbenzene	10/25/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/25/00	1	2	BQL
Toluene	10/25/00	1	1	BQL
m/p-Xylene	10/25/00	1	2	BQL
o-Xylene	10/25/00	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: mm

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW01-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97436
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.8	68
Nitrobenzene-d5	10	7.6	76
4-Terphenyl-d14	10	4.7	47

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MA

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW02-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97437
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.8	68
Nitrobenzene-d5	10	8	80
4-Terphenyl-d14	10	4.8	48

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: WM

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW03-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97438
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	10	7.5	75
4-Terphenyl-d14	10	8.2	82

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: WM

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW05-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97439
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	10	6.6	66
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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW07-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97440
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.8	78
Nitrobenzene-d5	10	7.3	73
4-Terphenyl-d14	10	10.5	105

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-EQ-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97441
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	10	7.3	73
4-Terphenyl-d14	10	10.7	107

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MM

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97443
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.7	67
Nitrobenzene-d5	10	6.2	62
4-Terphenyl-d14	10	10.6	106

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97444
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
Nitrobenzene-d5	10	7.6	76
4-Terphenyl-d14	10	9.8	98

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MR

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW09-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97445
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	**11**
Naphthalene	10	BQL
Phenanthrene	10	**11**
Pyrene	10	**13**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	1.6	16
Nitrobenzene-d5	10	7.8	78
4-Terphenyl-d14	10	5.1	51

Comments:

Results are corrected for %solids and dilution where applicable.
Low surrogate recovies confirmed by duplicate analysis.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97446
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.7	77
Nitrobenzene-d5	10	7.1	71
4-Terphenyl-d14	10	10	100

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MMC

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97447
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.5	85
Nitrobenzene-d5	10	8	80
4-Terphenyl-d14	10	11.4	114

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97448
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**14**
2-Methylnaphthalene	10	**13**
Naphthalene	10	**90**
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
Nitrobenzene-d5	10	9.2	92
4-Terphenyl-d14	10	10.8	108

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97449
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
Nitrobenzene-d5	10	8.4	84
4-Terphenyl-d14	10	9.1	91

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MA

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97450
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
Nitrobenzene-d5	10	8.1	81
4-Terphenyl-d14	10	9.7	97

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MM

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97451
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
Nitrobenzene-d5	10	8.3	83
4-Terphenyl-d14	10	11.2	112

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97452
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**13**
2-Methylnaphthalene	10	**11**
Naphthalene	10	**81**
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-00D
Client Project ID: BLDG AS4158
Lab Sample ID: 97453
Lab Project ID: G182-581
Matrix: Water

Date Collected: 10/18/00
Date Received: 10/19/00
Date Analyzed: 10/28/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
Nitrobenzene-d5	10	7.9	79
4-Terphenyl-d14	10	10	100

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: BLDG AS4158
P.O Number:
Contact : Jeff Henniger
Phone: 904-363-0911

Date: 10/18/00
Turnaround: STANDARD
Job Number: T.O. 35D
Page 2 OF 2

Report To: Jeff Henniger

Invoice To: T.O. 35D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610						Comments
USTAS4158-MW04-00D	10/18/00	9:15	GW	3		1		X	X						G182-581
USTAS4158-MW08-00D	10/18/00	11:15	GW	3		1		X	X						
USTAS4158-MW09-00D	10/18/00	11:45	GW	3		1		X	X						EDD
USTAS4158-MW10-00D	10/18/00	10:00	GW	3		1		X	X						Send To:
USTAS4158-MW11-00D	10/18/00	11:00	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW13-00D	10/18/00	10:50	GW	3		1		X	X						Copy To:
USTAS4158-MW14-00D	10/18/00	10;25	GW	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-MW15-00D	10/18/00	10:35	GW	3		1		X	X						
USTAS4158-MW17-00D	10/18/00	12:00	GW	3		1		X	X						
USTAS4158-DUP1-00D	10/18/00	—	GW	3		1		X	X						
USTAS4158-DUP2-00D	10/18/00	—	GW	3		1		X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
T Ellerman	10/18/00	16:00	[signature]	10/19/00	0940	0.0, 0.9, 1.9	Ellerman	

NC Certification #481

Paradigm Analytical Laboratories, Inc

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:**	BLDG AS4158	**Date:** 10/18/00	**Report To:** Jeff Henniger
Address:	8936 Western Way	**P.O Number:**		**Turnaround:** STANDARD	
Address:	Suite 10	**Contact :**	Jeff Henniger	**Job Number:** T.O. 35D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page 1 OF 1**	**Invoice To:** T.O. 35D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						6182-5831
USTAS4158-MW01-00D	10/18/00	12:30		3		1		X	X*						
USTAS4158-MW02-00D	10/18/00	12:05	GW	3		1		X	X*						EDD
USTAS4158-MW03-00D	10/18/00	12:20	GW	3		1		X	X						Send To:
USTAS4158-MW05-00D	10/18/00	9:30	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW07-00D	10/18/00	9:45	GW	3		1		X	X						Copy To:
USTAS4158-EQ-00D	10/18/00	15:00	W	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-TRIP-00D	—	—	W	2				X							
															* MW02 Had partial Method 610 Sample.

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
T ELLERMAN	10/18/00			10/19/00	0940	0.0, 0.9, 1.9	ELLERMAN	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW04-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92469
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

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

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW08-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92470
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

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

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW09-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92471
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/3/00	5	5	**89**
Chlorobenzene	8/3/00	5	5	BQL
1,2-Dichlorobenzene	8/3/00	5	10	BQL
1,3-Dichlorobenzene	8/3/00	5	10	BQL
1,4-Dichlorobenzene	8/3/00	5	10	BQL
Ethylbenzene	8/3/00	5	5	BQL
Methyl-tert-butyl ether (MTBE)	8/3/00	5	10	**16**
Toluene	8/3/00	5	5	BQL
m/p-Xylene	8/3/00	5	10	BQL
o-Xylene	8/3/00	5	10	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: USTAS4158-MW10-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92472
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

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

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW11-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92473
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/3/00	1	1	**15**
Chlorobenzene	8/3/00	1	1	BQL
1,2-Dichlorobenzene	8/3/00	1	2	BQL
1,3-Dichlorobenzene	8/3/00	1	2	BQL
1,4-Dichlorobenzene	8/3/00	1	2	BQL
Ethylbenzene	8/3/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/3/00	1	2	**9**
Toluene	8/3/00	1	1	BQL
m/p-Xylene	8/3/00	1	2	BQL
o-Xylene	8/3/00	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: USTAS4158-MW13-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92474
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/3/00	8	8	**89**
Chlorobenzene	8/3/00	8	8	BQL
1,2-Dichlorobenzene	8/3/00	8	16	BQL
1,3-Dichlorobenzene	8/3/00	8	16	BQL
1,4-Dichlorobenzene	8/3/00	8	16	BQL
Ethylbenzene	8/3/00	8	8	BQL
Methyl-tert-butyl ether (MTBE)	8/3/00	8	16	**55**
Toluene	8/3/00	8	8	**26**
m/p-Xylene	8/3/00	8	16	**19**
o-Xylene	8/3/00	8	16	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: USTAS4158-MW14-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92475
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/3/00	1	1	BQL
Chlorobenzene	8/3/00	1	1	BQL
1,2-Dichlorobenzene	8/3/00	1	2	BQL
1,3-Dichlorobenzene	8/3/00	1	2	BQL
1,4-Dichlorobenzene	8/3/00	1	2	BQL
Ethylbenzene	8/3/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/3/00	1	2	BQL
Toluene	8/3/00	1	1	BQL
m/p-Xylene	8/3/00	1	2	BQL
o-Xylene	8/3/00	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: USTAS4158-MW15-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92476
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

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

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	45	113

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW17-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92477
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	8/4/00	1	1	BQL	
Chlorobenzene	8/4/00	1	1	BQL	
1,2-Dichlorobenzene	8/4/00	1	2	BQL	
1,3-Dichlorobenzene	8/4/00	1	2	BQL	
1,4-Dichlorobenzene	8/4/00	1	2	BQL	
Ethylbenzene	8/4/00	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	8/4/00	1	2		3
Toluene	8/4/00	1	1	BQL	
m/p-Xylene	8/4/00	1	2	BQL	
o-Xylene	8/4/00	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: USTAS4158-DUP1-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92478
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/4/00	8	8	**94**
Chlorobenzene	8/4/00	8	8	BQL
1,2-Dichlorobenzene	8/4/00	8	16	BQL
1,3-Dichlorobenzene	8/4/00	8	16	BQL
1,4-Dichlorobenzene	8/4/00	8	16	BQL
Ethylbenzene	8/4/00	8	8	BQL
Methyl-tert-butyl ether (MTBE)	8/4/00	8	16	**58**
Toluene	8/4/00	8	8	**28**
m/p-Xylene	8/4/00	8	16	**22**
o-Xylene	8/4/00	8	16	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: USTAS4158-DUP2-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92479
Lab Project ID: G182-539

Analyzed By: RNP
Date Collected: 07/26/00
Date Received: 07/28/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	8/4/00	1	1	BQL
Chlorobenzene	8/4/00	1	1	BQL
1,2-Dichlorobenzene	8/4/00	1	2	BQL
1,3-Dichlorobenzene	8/4/00	1	2	BQL
1,4-Dichlorobenzene	8/4/00	1	2	BQL
Ethylbenzene	8/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	8/4/00	1	2	BQL
Toluene	8/4/00	1	1	BQL
m/p-Xylene	8/4/00	1	2	BQL
o-Xylene	8/4/00	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 Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92469
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/1/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.7	117
Nitrobenzene-d5	10	8.7	87
4-Terphenyl-d14	10	12.3	123

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: mm

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92470
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/1/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	12.7	127
Nitrobenzene-d5	10	10.7	107
4-Terphenyl-d14	10	13.8	138

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MO

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW09-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92471
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/1/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	30

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10	100
Nitrobenzene-d5	10	9.1	91
4-Terphenyl-d14	10	9.4	94

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92472
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/2/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.6	76
Nitrobenzene-d5	10	5.6	56
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

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92473
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/2/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	12.1	121
Nitrobenzene-d5	10	10.3	103
4-Terphenyl-d14	10	13.5	135

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92474
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/2/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.6	116
Nitrobenzene-d5	10	10.2	102
4-Terphenyl-d14	10	12.7	127

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92475
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/2/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	12.9	129
Nitrobenzene-d5	10	11.3	113
4-Terphenyl-d14	10	11.9	119

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92476
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/2/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.8	118
Nitrobenzene-d5	10	9.9	99
4-Terphenyl-d14	10	13.3	133

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: MC

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92477
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/2/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.4	114
Nitrobenzene-d5	10	9.8	98
4-Terphenyl-d14	10	14.4	144

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92478
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/2/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.9	119
Nitrobenzene-d5	10	10.7	107
4-Terphenyl-d14	10	12.5	125

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-00C
Client Project ID: BLDG AS4158
Lab Sample ID: 92479
Lab Project ID: G182-539
Matrix: Water

Date Collected: 7/26/00
Date Received: 7/28/00
Date Analyzed: 8/2/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.1	111
Nitrobenzene-d5	10	9	90
4-Terphenyl-d14	10	14	140

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: BLDG AS4158
P.O Number:
Contact : Jeff Henniger
Phone: 904-363-0911

Date: 7/26/00
Turnaround: STANDARD
Job Number: T.O. 35D
Page 1 OF 1

Report To: Jeff Henniger

Invoice To: T.O. 35D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610						Comments
USTAS4158-MW04-00C	7/26/00	1520	GW	3		1		X	X						4182-539
USTAS4158-MW08-00C	7/26/00	1430	GW	3		1		X	X						
USTAS4158-MW09-00C	7/26/00	1440	GW	3		1		X	X						EDD
USTAS4158-MW10-00C	7/26/00	1545	GW	3		1		X	X						Send To:
USTAS4158-MW11-00C	7/26/00	1310	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW13-00C	7/26/00	1230	GW	3		1		X	X						Copy To:
USTAS4158-MW14-00C	7/26/00	1215	GW	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-MW15-00C	7/26/00	1220	GW	3		1		X	X						
USTAS4158-MW17-00C	7/26/00	1400	GW	3		1		X	X						
USTAS4158-DUP1-00C	7/26/00	—	GW	3		1		X	X						
USTAS4158-DUP2-00C	7/26/00	—	GW	3		1		X	X						

Relinquished By:	Date	Time	Received By:	Date	Time	Temperature	Sampled By:	Airbill #
T Ellerman	7/27/00	16:00		7/28/00	0925	3.8, 1.3, 4.6	Ellerman	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW18-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86524
Lab Project ID: G182-507

Analyzed By: CKC
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/2/00	1	1	BQL
Chlorobenzene	5/2/00	1	1	BQL
1,2-Dichlorobenzene	5/2/00	1	2	BQL
1,3-Dichlorobenzene	5/2/00	1	2	BQL
1,4-Dichlorobenzene	5/2/00	1	2	BQL
Ethylbenzene	5/2/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/2/00	1	2	BQL
Toluene	5/2/00	1	1	BQL
m/p-Xylene	5/2/00	1	2	BQL
o-Xylene	5/2/00	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: USTAS4158-MW02-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86525
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/4/00	1	1	BQL
Chlorobenzene	5/4/00	1	1	BQL
1,2-Dichlorobenzene	5/4/00	1	2	BQL
1,3-Dichlorobenzene	5/4/00	1	2	BQL
1,4-Dichlorobenzene	5/4/00	1	2	BQL
Ethylbenzene	5/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/4/00	1	2	BQL
Toluene	5/4/00	1	1	BQL
m/p-Xylene	5/4/00	1	2	BQL
o-Xylene	5/4/00	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: USTAS4158-MW03-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86526
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

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

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW04-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86527
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/24/00
Date Received: 04/26/00
Matrix: Water

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

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW05-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86528
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/24/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/4/00	1	1	BQL
Chlorobenzene	5/4/00	1	1	BQL
1,2-Dichlorobenzene	5/4/00	1	2	BQL
1,3-Dichlorobenzene	5/4/00	1	2	BQL
1,4-Dichlorobenzene	5/4/00	1	2	BQL
Ethylbenzene	5/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/4/00	1	2	BQL
Toluene	5/4/00	1	1	BQL
m/p-Xylene	5/4/00	1	2	BQL
o-Xylene	5/4/00	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: USTAS4158-MW07-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86529
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/24/00
Date Received: 04/26/00
Matrix: Water

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

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW08-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86530
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/4/00	1	1	BQL
Chlorobenzene	5/4/00	1	1	BQL
1,2-Dichlorobenzene	5/4/00	1	2	BQL
1,3-Dichlorobenzene	5/4/00	1	2	BQL
1,4-Dichlorobenzene	5/4/00	1	2	BQL
Ethylbenzene	5/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/4/00	1	2	BQL
Toluene	5/4/00	1	1	BQL
m/p-Xylene	5/4/00	1	2	BQL
o-Xylene	5/4/00	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: USTAS4158-MW09-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86531
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/24/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/4/00	4	4	**66**
Chlorobenzene	5/4/00	4	4	BQL
1,2-Dichlorobenzene	5/4/00	4	8	BQL
1,3-Dichlorobenzene	5/4/00	4	8	BQL
1,4-Dichlorobenzene	5/4/00	4	8	BQL
Ethylbenzene	5/4/00	4	4	BQL
Methyl-tert-butyl ether (MTBE)	5/4/00	4	8	**23**
Toluene	5/4/00	4	4	BQL
m/p-Xylene	5/4/00	4	8	BQL
o-Xylene	5/4/00	4	8	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: USTAS4158-MW10-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86532
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

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

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW11-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86533
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/5/00	1	1	8
Chlorobenzene	5/5/00	1	1	BQL
1,2-Dichlorobenzene	5/5/00	1	2	BQL
1,3-Dichlorobenzene	5/5/00	1	2	BQL
1,4-Dichlorobenzene	5/5/00	1	2	BQL
Ethylbenzene	5/5/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/5/00	1	2	9
Toluene	5/5/00	1	1	BQL
m/p-Xylene	5/5/00	1	2	BQL
o-Xylene	5/5/00	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: USTAS4158-MW13-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86534
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/5/00	10	10	**180**
Chlorobenzene	5/5/00	10	10	BQL
1,2-Dichlorobenzene	5/5/00	10	20	BQL
1,3-Dichlorobenzene	5/5/00	10	20	BQL
1,4-Dichlorobenzene	5/5/00	10	20	BQL
Ethylbenzene	5/5/00	10	10	**34**
Methyl-tert-butyl ether (MTBE)	5/5/00	10	20	**69**
Toluene	5/5/00	10	10	**190**
m/p-Xylene	5/5/00	10	20	**190**
o-Xylene	5/5/00	10	20	**100**

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: USTAS4158-MW14-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86535
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/4/00	1	1	BQL
Chlorobenzene	5/4/00	1	1	BQL
1,2-Dichlorobenzene	5/4/00	1	2	BQL
1,3-Dichlorobenzene	5/4/00	1	2	BQL
1,4-Dichlorobenzene	5/4/00	1	2	BQL
Ethylbenzene	5/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/4/00	1	2	BQL
Toluene	5/4/00	1	1	BQL
m/p-Xylene	5/4/00	1	2	BQL
o-Xylene	5/4/00	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: USTAS4158-MW15-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86536
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/4/00	1	1	BQL
Chlorobenzene	5/4/00	1	1	BQL
1,2-Dichlorobenzene	5/4/00	1	2	BQL
1,3-Dichlorobenzene	5/4/00	1	2	BQL
1,4-Dichlorobenzene	5/4/00	1	2	BQL
Ethylbenzene	5/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/4/00	1	2	BQL
Toluene	5/4/00	1	1	BQL
m/p-Xylene	5/4/00	1	2	BQL
o-Xylene	5/4/00	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: USTAS4158-MW17-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86537
Lab Project ID: G182-507

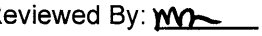
Analyzed By: EKR
Date Collected: 04/24/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/4/00	1	1	BQL
Chlorobenzene	5/4/00	1	1	BQL
1,2-Dichlorobenzene	5/4/00	1	2	BQL
1,3-Dichlorobenzene	5/4/00	1	2	BQL
1,4-Dichlorobenzene	5/4/00	1	2	BQL
Ethylbenzene	5/4/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/4/00	1	2	BQL
Toluene	5/4/00	1	1	BQL
m/p-Xylene	5/4/00	1	2	BQL
o-Xylene	5/4/00	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: USTAS4158-DUP1-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86538
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/5/00	10	10	**180**
Chlorobenzene	5/5/00	10	10	BQL
1,2-Dichlorobenzene	5/5/00	10	20	BQL
1,3-Dichlorobenzene	5/5/00	10	20	BQL
1,4-Dichlorobenzene	5/5/00	10	20	BQL
Ethylbenzene	5/5/00	10	10	**33**
Methyl-tert-butyl ether (MTBE)	5/5/00	10	20	**71**
Toluene	5/5/00	10	10	**190**
m/p-Xylene	5/5/00	10	20	**180**
o-Xylene	5/5/00	10	20	**100**

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: mcv

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-DUP2-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86539
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

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

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-EQ-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86540
Lab Project ID: G182-507

Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/5/00	1	1	BQL
Chlorobenzene	5/5/00	1	1	BQL
1,2-Dichlorobenzene	5/5/00	1	2	BQL
1,3-Dichlorobenzene	5/5/00	1	2	BQL
1,4-Dichlorobenzene	5/5/00	1	2	BQL
Ethylbenzene	5/5/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/5/00	1	2	BQL
Toluene	5/5/00	1	1	BQL
m/p-Xylene	5/5/00	1	2	BQL
o-Xylene	5/5/00	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: USTAS4158-TRIP-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86541
Lab Project ID: G182-507

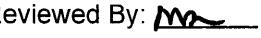
Analyzed By: EKR
Date Collected: 04/25/00
Date Received: 04/26/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/8/00	1	1	BQL
Chlorobenzene	5/8/00	1	1	BQL
1,2-Dichlorobenzene	5/8/00	1	2	BQL
1,3-Dichlorobenzene	5/8/00	1	2	BQL
1,4-Dichlorobenzene	5/8/00	1	2	BQL
Ethylbenzene	5/8/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/8/00	1	2	BQL
Toluene	5/8/00	1	1	BQL
m/p-Xylene	5/8/00	1	2	BQL
o-Xylene	5/8/00	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 Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW18-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86524
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/4/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
Nitrobenzene-d5	10	9.3	93
4-Terphenyl-d14	10	11.6	116

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW02-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86525
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/4/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6	60
Nitrobenzene-d5	10	8.8	88
4-Terphenyl-d14	10	4.5	45

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW03-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86526
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/4/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	6.8	68

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86527
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/24/00
Date Received: 4/26/00
Date Analyzed: 5/4/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.1	91
Nitrobenzene-d5	10	9.7	97
4-Terphenyl-d14	10	10.7	107

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MA

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW05-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86528
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/24/00
Date Received: 4/26/00
Date Analyzed: 5/4/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.2	72
Nitrobenzene-d5	10	5.7	57
4-Terphenyl-d14	10	9.9	99

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW07-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86529
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/24/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.5	95
Nitrobenzene-d5	10	9.6	96
4-Terphenyl-d14	10	11.4	114

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MR

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86530
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.6	96
Nitrobenzene-d5	10	9.5	95
4-Terphenyl-d14	10	11.1	111

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: MW

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW09-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86531
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/24/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**12**
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	**17**
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	4.3	43
Nitrobenzene-d5	10	10.2	102
4-Terphenyl-d14	10	5.9	59

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86532
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.7	107
Nitrobenzene-d5	10	10.5	105
4-Terphenyl-d14	10	10.7	107

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86533
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.8	98
Nitrobenzene-d5	10	9.9	99
4-Terphenyl-d14	10	12.2	122

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MRC

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86534
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	**13**
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	10	100
4-Terphenyl-d14	10	11.2	112

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MW

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86535
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.2	92
Nitrobenzene-d5	10	8.9	89
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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86536
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.7	97
Nitrobenzene-d5	10	9.3	93
4-Terphenyl-d14	10	10.9	109

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MM

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86537
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/24/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
Nitrobenzene-d5	10	7.7	77
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 Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86538
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	**12**
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
Nitrobenzene-d5	10	9.4	94
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 Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86539
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.5	75
Nitrobenzene-d5	10	7	70
4-Terphenyl-d14	10	11.6	116

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: mw

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-EQ-00B
Client Project ID: BLDG AS4158
Lab Sample ID: 86540
Lab Project ID: G182-507
Matrix: Water

Date Collected: 4/25/00
Date Received: 4/26/00
Date Analyzed: 5/5/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	8.6	86
4-Terphenyl-d14	10	11.8	118

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MM

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: BLDG AS4158
P.O Number: ~~Jeff Hennigan~~
Contact : ~~Casey Hudson~~
Phone: 904-363-0911

Date: 4/25/00
Turnaround: STANDARD
Job Number: T.O. 35D
Page 1 OF 1

Report To: ~~Casey Hudson~~ Jeff Hennigan

Invoice To: T.O. 35D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610						Comments
USTAS4158-MW18-00B	4/25/00	10:15	GW	3		1		X	X						G182-507
USTAS4158-MW02-00B	4/25/00	0850	GW	3		1		X	X						EDD
USTAS4158-MW03-00B	4/25/00	0840	GW	3		1		X	X						Send To:
USTAS4158-MW04-00B	4/24/00	12:45	GW	3		1		X	X						evansp@clb.usmc.mil
USTAS4158-MW05-00B	4/24/00	12:55	GW	3		1		X	X						Copy To:
USTAS4158-MW07-00B	4/24/00	13:10	GW	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-MW08-00B	4/25/00	0905	GW	3		1		X	X						
USTAS4158-MW09-00B	4/24/00	13:40	GW	3		1		X	X						
USTAS4158-MW10-00B	4/25/00	11:20	GW	3		1		X	X						
USTAS4158-MW11-00B	4/25/00	0925	GW	3		1		X	X						
USTAS4158-MW13-00B	4/25/00	0955	GW	3		1		X	X						
USTAS4158-MW14-00B	4/25/00	1105	GW	3		1		X	X						
USTAS4158-MW15-00B	4/25/00	10:45	GW	3		1		X	X						
USTAS4158-MW17-00B	4/24/00	13:35	GW	3		1		X	X						
USTAS4158-DUP1-00B	4/25/00	-	GW	3		1		X	X						
USTAS4158-DUP2-00B	4/25/00	-	GW	3		1		X	X						
USTAS4158-EQ-00B	4/25/00	1400	W	3		1		X	X						
USTAS4158-TRIP-00B	-	-	W	2				X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
RICHARD SAMPLE	4/25/00	16:00			0940	0.5, 1.6, 0.8	R.SAMPLE	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW05-00A3
Client Project ID: BLDG AS4158
Lab Sample ID: 84249
Lab Project ID: G182-486

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 Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW05-00A3
Client Project ID: BLDG AS4158
Lab Sample ID: 84249
Lab Project ID: G182-486
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
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
Nitrobenzene-d5	10	9.2	92
4-Terphenyl-d14	10	9.5	95

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

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	**Project ID:**	BLDG AS4158	**Date:** 3/23/00	**Report To:** Casey Hudson
Address:	8936 Western Way	**P.O Number:**		**Turnaround:** STANDARD	
Address:	Suite 10	**Contact :**	Casey Hudson	**Job Number:** T O. 35D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page 1 OF 1**	**Invoice To:** T.O. 35D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						4182-480
USTAS4158-MW05-00A3	3/23/00	1140	GW	3		1		X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
RICHARD SAMPLE	3/23/00	1600		3/24/00	0940	0.7, 0.8	R.SAMPLE	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW01-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79512
Lab Project ID: G182-453

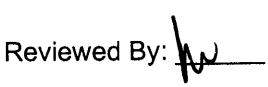
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/00	1	1	BQL
Chlorobenzene	1/20/00	1	1	BQL
1,2-Dichlorobenzene	1/20/00	1	2	BQL
1,3-Dichlorobenzene	1/20/00	1	2	BQL
1,4-Dichlorobenzene	1/20/00	1	2	BQL
Ethylbenzene	1/20/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/00	1	2	BQL
Toluene	1/20/00	1	1	BQL
m/p-Xylene	1/20/00	1	2	BQL
o-Xylene	1/20/00	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: USTAS4158-MW03-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79513
Lab Project ID: G182-453

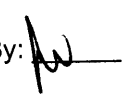
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/00	1	1	BQL
Chlorobenzene	1/20/00	1	1	BQL
1,2-Dichlorobenzene	1/20/00	1	2	BQL
1,3-Dichlorobenzene	1/20/00	1	2	BQL
1,4-Dichlorobenzene	1/20/00	1	2	BQL
Ethylbenzene	1/20/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/00	1	2	BQL
Toluene	1/20/00	1	1	BQL
m/p-Xylene	1/20/00	1	2	BQL
o-Xylene	1/20/00	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: USTAS4158-MW04-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79514
Lab Project ID: G182-453

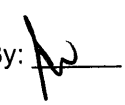
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/00	1	1	BQL
Chlorobenzene	1/23/00	1	1	BQL
1,2-Dichlorobenzene	1/23/00	1	2	BQL
1,3-Dichlorobenzene	1/23/00	1	2	BQL
1,4-Dichlorobenzene	1/23/00	1	2	BQL
Ethylbenzene	1/23/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/00	1	2	BQL
Toluene	1/23/00	1	1	BQL
m/p-Xylene	1/23/00	1	2	BQL
o-Xylene	1/23/00	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: USTAS4158-MW07-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79515
Lab Project ID: G182-453

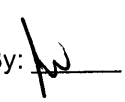
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/00	1	1	BQL
Chlorobenzene	1/21/00	1	1	BQL
1,2-Dichlorobenzene	1/21/00	1	2	BQL
1,3-Dichlorobenzene	1/21/00	1	2	BQL
1,4-Dichlorobenzene	1/21/00	1	2	BQL
Ethylbenzene	1/21/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/00	1	2	BQL
Toluene	1/21/00	1	1	BQL
m/p-Xylene	1/21/00	1	2	BQL
o-Xylene	1/21/00	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: USTAS4158-MW08-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79516
Lab Project ID: G182-453

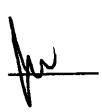
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/00	1	1	BQL
Chlorobenzene	1/21/00	1	1	BQL
1,2-Dichlorobenzene	1/21/00	1	2	BQL
1,3-Dichlorobenzene	1/21/00	1	2	BQL
1,4-Dichlorobenzene	1/21/00	1	2	BQL
Ethylbenzene	1/21/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/00	1	2	BQL
Toluene	1/21/00	1	1	BQL
m/p-Xylene	1/21/00	1	2	BQL
o-Xylene	1/21/00	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: USTAS4158-MW09-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79517
Lab Project ID: G182-453

Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/00	1	1	**17**
Chlorobenzene	1/20/00	1	1	BQL
1,2-Dichlorobenzene	1/20/00	1	2	BQL
1,3-Dichlorobenzene	1/20/00	1	2	BQL
1,4-Dichlorobenzene	1/20/00	1	2	BQL
Ethylbenzene	1/20/00	1	1	**1**
Methyl-tert-butyl ether (MTBE)	1/20/00	1	2	**23**
Toluene	1/20/00	1	1	BQL
m/p-Xylene	1/20/00	1	2	**3**
o-Xylene	1/20/00	1	2	**6**

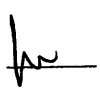
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	100

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW10-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79518
Lab Project ID: G182-453

Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/20/00	1	1	BQL
Chlorobenzene	1/20/00	1	1	BQL
1,2-Dichlorobenzene	1/20/00	1	2	BQL
1,3-Dichlorobenzene	1/20/00	1	2	BQL
1,4-Dichlorobenzene	1/20/00	1	2	BQL
Ethylbenzene	1/20/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/20/00	1	2	BQL
Toluene	1/20/00	1	1	BQL
m/p-Xylene	1/20/00	1	2	BQL
o-Xylene	1/20/00	1	2	BQL

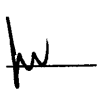
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW11-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79519
Lab Project ID: G182-453

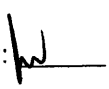
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	1/21/00	1	1	BQL	
Chlorobenzene	1/21/00	1	1	BQL	
1,2-Dichlorobenzene	1/21/00	1	2	BQL	
1,3-Dichlorobenzene	1/21/00	1	2	BQL	
1,4-Dichlorobenzene	1/21/00	1	2	BQL	
Ethylbenzene	1/21/00	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	1/21/00	1	2		7
Toluene	1/21/00	1	1	BQL	
m/p-Xylene	1/21/00	1	2	BQL	
o-Xylene	1/21/00	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: USTAS4158-MW13-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79520
Lab Project ID: G182-453

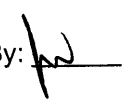
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/00	1	1	BQL
Chlorobenzene	1/21/00	1	1	BQL
1,2-Dichlorobenzene	1/21/00	1	2	BQL
1,3-Dichlorobenzene	1/21/00	1	2	BQL
1,4-Dichlorobenzene	1/21/00	1	2	BQL
Ethylbenzene	1/21/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/00	1	2	17
Toluene	1/21/00	1	1	BQL
m/p-Xylene	1/21/00	1	2	BQL
o-Xylene	1/21/00	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: USTAS4158-MW14-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79521
Lab Project ID: G182-453

Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/00	1	1	BQL
Chlorobenzene	1/21/00	1	1	BQL
1,2-Dichlorobenzene	1/21/00	1	2	BQL
1,3-Dichlorobenzene	1/21/00	1	2	BQL
1,4-Dichlorobenzene	1/21/00	1	2	BQL
Ethylbenzene	1/21/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/00	1	2	BQL
Toluene	1/21/00	1	1	BQL
m/p-Xylene	1/21/00	1	2	BQL
o-Xylene	1/21/00	1	2	BQL

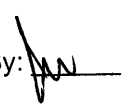
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	40	101

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW15-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79522
Lab Project ID: G182-453

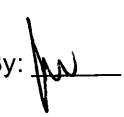
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/00	1	1	BQL
Chlorobenzene	1/21/00	1	1	BQL
1,2-Dichlorobenzene	1/21/00	1	2	BQL
1,3-Dichlorobenzene	1/21/00	1	2	BQL
1,4-Dichlorobenzene	1/21/00	1	2	BQL
Ethylbenzene	1/21/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/00	1	2	BQL
Toluene	1/21/00	1	1	BQL
m/p-Xylene	1/21/00	1	2	BQL
o-Xylene	1/21/00	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: USTAS4158-MW17-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79523
Lab Project ID: G182-453

Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/00	1	1	BQL
Chlorobenzene	1/21/00	1	1	BQL
1,2-Dichlorobenzene	1/21/00	1	2	BQL
1,3-Dichlorobenzene	1/21/00	1	2	BQL
1,4-Dichlorobenzene	1/21/00	1	2	BQL
Ethylbenzene	1/21/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/00	1	2	BQL
Toluene	1/21/00	1	1	BQL
m/p-Xylene	1/21/00	1	2	BQL
o-Xylene	1/21/00	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: USTAS4158-DUP1-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79524
Lab Project ID: G182-453

Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	1/21/00	1	1	BQL	
Chlorobenzene	1/21/00	1	1	BQL	
1,2-Dichlorobenzene	1/21/00	1	2	BQL	
1,3-Dichlorobenzene	1/21/00	1	2	BQL	
1,4-Dichlorobenzene	1/21/00	1	2	BQL	
Ethylbenzene	1/21/00	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	1/21/00	1	2		7
Toluene	1/21/00	1	1	BQL	
m/p-Xylene	1/21/00	1	2	BQL	
o-Xylene	1/21/00	1	2	BQL	

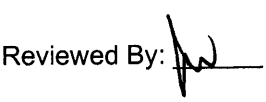
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	41	101

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-DUP2-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79525
Lab Project ID: G182-453

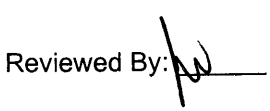
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/00	1	1	BQL
Chlorobenzene	1/23/00	1	1	BQL
1,2-Dichlorobenzene	1/23/00	1	2	BQL
1,3-Dichlorobenzene	1/23/00	1	2	BQL
1,4-Dichlorobenzene	1/23/00	1	2	BQL
Ethylbenzene	1/23/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/00	1	2	BQL
Toluene	1/23/00	1	1	BQL
m/p-Xylene	1/23/00	1	2	BQL
o-Xylene	1/23/00	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: USTAS4158-EQ-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79526
Lab Project ID: G182-453

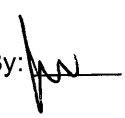
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/23/00	1	1	BQL
Chlorobenzene	1/23/00	1	1	BQL
1,2-Dichlorobenzene	1/23/00	1	2	BQL
1,3-Dichlorobenzene	1/23/00	1	2	BQL
1,4-Dichlorobenzene	1/23/00	1	2	BQL
Ethylbenzene	1/23/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/23/00	1	2	BQL
Toluene	1/23/00	1	1	BQL
m/p-Xylene	1/23/00	1	2	BQL
o-Xylene	1/23/00	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: USTAS4158-TRIP-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79527
Lab Project ID: G182-453

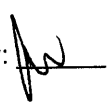
Analyzed By: EKR
Date Collected: 01/12/00
Date Received: 01/13/00
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	1/21/00	1	1	BQL
Chlorobenzene	1/21/00	1	1	BQL
1,2-Dichlorobenzene	1/21/00	1	2	BQL
1,3-Dichlorobenzene	1/21/00	1	2	BQL
1,4-Dichlorobenzene	1/21/00	1	2	BQL
Ethylbenzene	1/21/00	1	1	BQL
Methyl-tert-butyl ether (MTBE)	1/21/00	1	2	BQL
Toluene	1/21/00	1	1	BQL
m/p-Xylene	1/21/00	1	2	BQL
o-Xylene	1/21/00	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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW01-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79512
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/20/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	9.3	93
4-Terphenyl-d14	10	6.8	68

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW03-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79513
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/20/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.7	87
Nitrobenzene-d5	10	7.6	76
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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW04-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79514
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/20/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
Nitrobenzene-d5	10	9.1	91
4-Terphenyl-d14	10	7.9	79

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW07-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79515
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/20/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	7.9	79
4-Terphenyl-d14	10	9.2	92

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW08-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79516
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/20/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
Nitrobenzene-d5	10	7.9	79
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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW09-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79517
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/20/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	**20**
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**51**
2-Methylnaphthalene	10	**23**
Naphthalene	10	**13**
Phenanthrene	10	**20**
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.1	51
Nitrobenzene-d5	10	9.4	94
4-Terphenyl-d14	10	3.2	32

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW10-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79518
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/21/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
Nitrobenzene-d5	10	8.7	87
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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW11-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79519
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/21/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	8.2	82
4-Terphenyl-d14	10	10	100

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW13-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79520
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/21/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
Nitrobenzene-d5	10	9.2	92
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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW14-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79521
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/21/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
Nitrobenzene-d5	10	9.3	93
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 Polynuclear Aromatic Hydrocarbons

EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW15-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79522
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/21/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.6	86
Nitrobenzene-d5	10	7.7	77
4-Terphenyl-d14	10	9.9	98

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By:

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-MW17-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79523
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/21/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.3	93
Nitrobenzene-d5	10	9.1	91
4-Terphenyl-d14	10	10.9	109

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

Flags:
BQL = Below Quantitation Limit.

Reviewed By: AN

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP1-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79524
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/21/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
Nitrobenzene-d5	10	9	90
4-Terphenyl-d14	10	11.6	116

Comments:

Results are corrected for %solids and dilution where applicable.

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-DUP2-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79525
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/21/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	8.4	84
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 Polynuclear Aromatic Hydrocarbons
EPA 610 by GCMS 625

Client Sample ID: USTAS4158-EQ-00A
Client Project ID: BLDG AS4158
Lab Sample ID: 79526
Lab Project ID: G182-453
Matrix: Water

Date Collected: 1/12/00
Date Received: 1/13/00
Date Analyzed: 1/21/00
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
Chrysene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Fluoranthene	10	BQL
Fluorene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL
Naphthalene	10	BQL
Phenanthrene	10	BQL
Pyrene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
Nitrobenzene-d5	10	8.9	89
4-Terphenyl-d14	10	10.7	107

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: BLDG AS4158
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 1/12/00
Turnaround: STANDARD
Job Number: T.O. 35D
Page 1 OF 1

Report To: Casey Hudson

Invoice To: T.O. 35D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610						Comments
USTAS4158-MW01-00A	1/12/00	9:20	GW	3		1		X	X						6182-453
~~USTAS4158-MW02-00A~~			~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						EDD
USTAS4158-MW03-00A		9:33	GW	3		1		X	X						Send To:
USTAS4158-MW04-00A		8:50	GW	3		1		X	X						evansp@clb.usmc.mil
~~USTAS4158-MW05-00A~~			~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						Copy To:
USTAS4158-MW07-00A		12:15	GW	3		1		X	X						pauln@clb.usmc.mil
USTAS4158-MW0800A		9:50	GW	3		1		X	X						
USTAS4158-MW09-00A		10;30	GW	3		1		X	X						
USTAS4158-MW10-00A		12:00	GW	3		1		X	X						
USTAS4158-MW11-00A		11:26	GW	3		1		X	X						
USTAS4158-MW13-00A		11:40	GW	3		1		X	X						
USTAS4158-MW14-00A		12:30	GW	3		1		X	X						
USTAS4158-MW15-00A		12:40	GW	3		1		X	X						
USTAS4158-MW17-00A		10:15	GW	3		1		X	X						
USTAS4158-DUP1-00A		—	GW	3		1		X	X						
USTAS4158-DUP2-00A		—	GW	3		1		X	X						
USTAS4158-EQ-00A	1/12/00	12:50	W	3		1		X	X						
USTAS4158-TRIP-00A		—	W	2				X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
RICHARD SAMPLE	1/12/00	16:00		1/13/00	0940	3.2°C 2.1°C	R.SAMPLE	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW03-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74489
Lab Project ID: G182-418

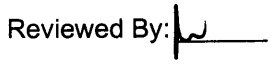
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/27/99	1	1	BQL
Chlorobenzene	10/27/99	1	1	BQL
1,2-Dichlorobenzene	10/27/99	1	2	BQL
1,3-Dichlorobenzene	10/27/99	1	2	BQL
1,4-Dichlorobenzene	10/27/99	1	2	BQL
Ethylbenzene	10/27/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/27/99	1	2	BQL
Toluene	10/27/99	1	1	BQL
m/p-Xylene	10/27/99	1	2	BQL
o-Xylene	10/27/99	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: USTAS4158-MW04-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74490
Lab Project ID: G182-418

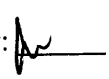
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/27/99	1	1	BQL
Chlorobenzene	10/27/99	1	1	BQL
1,2-Dichlorobenzene	10/27/99	1	2	BQL
1,3-Dichlorobenzene	10/27/99	1	2	BQL
1,4-Dichlorobenzene	10/27/99	1	2	BQL
Ethylbenzene	10/27/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/27/99	1	2	BQL
Toluene	10/27/99	1	1	BQL
m/p-Xylene	10/27/99	1	2	BQL
o-Xylene	10/27/99	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: USTAS4158-MW05-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74491
Lab Project ID: G182-418

Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/27/99	1	1	BQL
Chlorobenzene	10/27/99	1	1	BQL
1,2-Dichlorobenzene	10/27/99	1	2	BQL
1,3-Dichlorobenzene	10/27/99	1	2	BQL
1,4-Dichlorobenzene	10/27/99	1	2	BQL
Ethylbenzene	10/27/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/27/99	1	2	BQL
Toluene	10/27/99	1	1	BQL
m/p-Xylene	10/27/99	1	2	BQL
o-Xylene	10/27/99	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: USTAS4158-MW07-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74492
Lab Project ID: G182-418

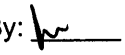
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/27/99	1	1	BQL
Chlorobenzene	10/27/99	1	1	BQL
1,2-Dichlorobenzene	10/27/99	1	2	BQL
1,3-Dichlorobenzene	10/27/99	1	2	BQL
1,4-Dichlorobenzene	10/27/99	1	2	BQL
Ethylbenzene	10/27/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/27/99	1	2	BQL
Toluene	10/27/99	1	1	BQL
m/p-Xylene	10/27/99	1	2	BQL
o-Xylene	10/27/99	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: USTAS4158-MW08-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74493
Lab Project ID: G182-418

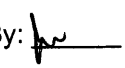
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/27/99	1	1	BQL
Chlorobenzene	10/27/99	1	1	BQL
1,2-Dichlorobenzene	10/27/99	1	2	BQL
1,3-Dichlorobenzene	10/27/99	1	2	BQL
1,4-Dichlorobenzene	10/27/99	1	2	BQL
Ethylbenzene	10/27/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/27/99	1	2	BQL
Toluene	10/27/99	1	1	BQL
m/p-Xylene	10/27/99	1	2	BQL
o-Xylene	10/27/99	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: USTAS4158-MW09-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74494
Lab Project ID: G182-418

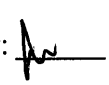
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/28/99	1	1	**6**
Chlorobenzene	10/28/99	1	1	BQL
1,2-Dichlorobenzene	10/28/99	1	2	BQL
1,3-Dichlorobenzene	10/28/99	1	2	BQL
1,4-Dichlorobenzene	10/28/99	1	2	BQL
Ethylbenzene	10/28/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/28/99	1	2	**13**
Toluene	10/28/99	1	1	BQL
m/p-Xylene	10/28/99	1	2	BQL
o-Xylene	10/28/99	1	2	**8**

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: USTAS4158-MW10-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74495
Lab Project ID: G182-418

Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/28/99	1	1	BQL
Chlorobenzene	10/28/99	1	1	BQL
1,2-Dichlorobenzene	10/28/99	1	2	BQL
1,3-Dichlorobenzene	10/28/99	1	2	BQL
1,4-Dichlorobenzene	10/28/99	1	2	BQL
Ethylbenzene	10/28/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/28/99	1	2	BQL
Toluene	10/28/99	1	1	BQL
m/p-Xylene	10/28/99	1	2	BQL
o-Xylene	10/28/99	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: USTAS4158-MW11-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74496
Lab Project ID: G182-418

Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/29/99	1	1	**2**
Chlorobenzene	10/29/99	1	1	BQL
1,2-Dichlorobenzene	10/29/99	1	2	BQL
1,3-Dichlorobenzene	10/29/99	1	2	BQL
1,4-Dichlorobenzene	10/29/99	1	2	BQL
Ethylbenzene	10/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/29/99	1	2	**6**
Toluene	10/29/99	1	1	BQL
m/p-Xylene	10/29/99	1	2	BQL
o-Xylene	10/29/99	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: USTAS4158-MW13-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74497
Lab Project ID: G182-418

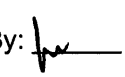
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/28/99	1	1	**6**
Chlorobenzene	10/28/99	1	1	BQL
1,2-Dichlorobenzene	10/28/99	1	2	BQL
1,3-Dichlorobenzene	10/28/99	1	2	BQL
1,4-Dichlorobenzene	10/28/99	1	2	BQL
Ethylbenzene	10/28/99	1	1	**1**
Methyl-tert-butyl ether (MTBE)	10/28/99	1	2	**16**
Toluene	10/28/99	1	1	BQL
m/p-Xylene	10/28/99	1	2	BQL
o-Xylene	10/28/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	39	96

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW14-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74498
Lab Project ID: G182-418

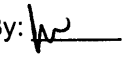
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/28/99	1	1	BQL
Chlorobenzene	10/28/99	1	1	BQL
1,2-Dichlorobenzene	10/28/99	1	2	BQL
1,3-Dichlorobenzene	10/28/99	1	2	BQL
1,4-Dichlorobenzene	10/28/99	1	2	BQL
Ethylbenzene	10/28/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/28/99	1	2	BQL
Toluene	10/28/99	1	1	BQL
m/p-Xylene	10/28/99	1	2	BQL
o-Xylene	10/28/99	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: USTAS4158-MW15-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74499
Lab Project ID: G182-418

Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/28/99	1	1	BQL
Chlorobenzene	10/28/99	1	1	BQL
1,2-Dichlorobenzene	10/28/99	1	2	BQL
1,3-Dichlorobenzene	10/28/99	1	2	BQL
1,4-Dichlorobenzene	10/28/99	1	2	BQL
Ethylbenzene	10/28/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/28/99	1	2	BQL
Toluene	10/28/99	1	1	BQL
m/p-Xylene	10/28/99	1	2	BQL
o-Xylene	10/28/99	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: USTAS4158-MW17-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74500
Lab Project ID: G182-418

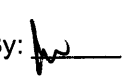
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/28/99	1	1	BQL
Chlorobenzene	10/28/99	1	1	BQL
1,2-Dichlorobenzene	10/28/99	1	2	BQL
1,3-Dichlorobenzene	10/28/99	1	2	BQL
1,4-Dichlorobenzene	10/28/99	1	2	BQL
Ethylbenzene	10/28/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/28/99	1	2	BQL
Toluene	10/28/99	1	1	BQL
m/p-Xylene	10/28/99	1	2	BQL
o-Xylene	10/28/99	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: USTAS4158-DUP1-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74501
Lab Project ID: G182-418

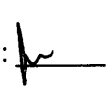
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/29/99	1	1	**7**
Chlorobenzene	10/29/99	1	1	BQL
1,2-Dichlorobenzene	10/29/99	1	2	BQL
1,3-Dichlorobenzene	10/29/99	1	2	BQL
1,4-Dichlorobenzene	10/29/99	1	2	BQL
Ethylbenzene	10/29/99	1	1	**2**
Methyl-tert-butyl ether (MTBE)	10/29/99	1	2	**15**
Toluene	10/29/99	1	1	BQL
m/p-Xylene	10/29/99	1	2	BQL
o-Xylene	10/29/99	1	2	**2**

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: USTAS4158-DUP2-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74502
Lab Project ID: G182-418

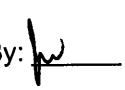
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/29/99	1	1	BQL
Chlorobenzene	10/29/99	1	1	BQL
1,2-Dichlorobenzene	10/29/99	1	2	BQL
1,3-Dichlorobenzene	10/29/99	1	2	BQL
1,4-Dichlorobenzene	10/29/99	1	2	BQL
Ethylbenzene	10/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/29/99	1	2	BQL
Toluene	10/29/99	1	1	BQL
m/p-Xylene	10/29/99	1	2	BQL
o-Xylene	10/29/99	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 Volatiles
by GC 602

Client Sample ID: USTAS4158-EQ-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74503
Lab Project ID: G182-418

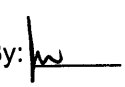
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/26/99	1	1	BQL
Chlorobenzene	10/26/99	1	1	BQL
1,2-Dichlorobenzene	10/26/99	1	2	BQL
1,3-Dichlorobenzene	10/26/99	1	2	BQL
1,4-Dichlorobenzene	10/26/99	1	2	BQL
Ethylbenzene	10/26/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/26/99	1	2	BQL
Toluene	10/26/99	1	1	BQL
m/p-Xylene	10/26/99	1	2	BQL
o-Xylene	10/26/99	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: USTAS4158-TRIP-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74504
Lab Project ID: G182-418

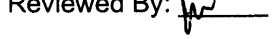
Analyzed By: EKR
Date Collected: 10/20/99
Date Received: 10/21/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	10/26/99	1	1	BQL
Chlorobenzene	10/26/99	1	1	BQL
1,2-Dichlorobenzene	10/26/99	1	2	BQL
1,3-Dichlorobenzene	10/26/99	1	2	BQL
1,4-Dichlorobenzene	10/26/99	1	2	BQL
Ethylbenzene	10/26/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	10/26/99	1	2	BQL
Toluene	10/26/99	1	1	BQL
m/p-Xylene	10/26/99	1	2	BQL
o-Xylene	10/26/99	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 Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW03-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74489
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/27/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
4-Terphenyl-d14	10	10.2	102
Nitrobenzene-d5	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 Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW04-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74490
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/27/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8	80
4-Terphenyl-d14	10	7.6	76
Nitrobenzene-d5	10	7.3	73

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW05-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74491
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.9	79
4-Terphenyl-d14	10	11.4	114
Nitrobenzene-d5	10	6.9	69

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW07-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74492
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.6	96
4-Terphenyl-d14	10	10.6	106
Nitrobenzene-d5	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 Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW08-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74493
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.6	106
4-Terphenyl-d14	10	11.9	119
Nitrobenzene-d5	10	9.6	96

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW09-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74494
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	**16**
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	**22**
Phenanthrene	10	**29**
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**62**
2-Methylnaphthalene	10	**31**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.2	62
4-Terphenyl-d14	10	8.4	84
Nitrobenzene-d5	10	11.3	113

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW10-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74495
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
4-Terphenyl-d14	10	11.1	111
Nitrobenzene-d5	10	9.5	95

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW11-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74496
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.6	96
4-Terphenyl-d14	10	12.6	126
Nitrobenzene-d5	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 Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW13-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74497
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.7	117
4-Terphenyl-d14	10	11.8	118
Nitrobenzene-d5	10	10.9	109

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW14-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74498
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.2	112
4-Terphenyl-d14	10	11.6	116
Nitrobenzene-d5	10	10.6	106

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID:	USTAS4158-MW15-99D	Date Analyzed:	10/28/99
Client Project ID:	BLDG AS4158	Analyzed By:	MRC
Lab Sample ID:	74499	Date Collected:	10/20/99
Lab Project ID:	G182-418	Date Received:	10/21/99
Matrix:	Water	Dilution:	1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

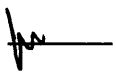
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.8	108
4-Terphenyl-d14	10	11.2	112
Nitrobenzene-d5	10	10	100

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW17-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74500
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	12.4	124
4-Terphenyl-d14	10	13.6	136
Nitrobenzene-d5	10	10.9	109

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID:	USTAS4158-DUP1-99D	Date Analyzed:	10/28/99
Client Project ID:	BLDG AS4158	Analyzed By:	MRC
Lab Sample ID:	74501	Date Collected:	10/20/99
Lab Project ID:	G182-418	Date Received:	10/21/99
Matrix:	Water	Dilution:	1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

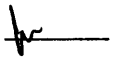
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	12.4	124
4-Terphenyl-d14	10	13.5	135
Nitrobenzene-d5	10	11.1	111

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID:	USTAS4158-DUP2-99D	Date Analyzed:	10/28/99
Client Project ID:	BLDG AS4158	Analyzed By:	MRC
Lab Sample ID:	74502	Date Collected:	10/20/99
Lab Project ID:	G182-418	Date Received:	10/21/99
Matrix:	Water	Dilution:	1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.7	117
4-Terphenyl-d14	10	13.3	133
Nitrobenzene-d5	10	10.8	108

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-EQ-99D
Client Project ID: BLDG AS4158
Lab Sample ID: 74503
Lab Project ID: G182-418
Matrix: Water

Date Analyzed: 10/28/99
Analyzed By: MRC
Date Collected: 10/20/99
Date Received: 10/21/99
Dilution: 1

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.1	101
4-Terphenyl-d14	10	13.1	131
Nitrobenzene-d5	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 Suite 10
Address: Jacksonville, Fla. 32256

Paradigm Quote # :

Project ID: BLDG AS4158
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 10/20/99
Turnaround: STANDARD
Job Number: T.O. 35D
Page 1 OF 1

Report To: Casey Hudson

Invoice To: T.O. 35D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610	Comments
										G182-418
~~USTAS4158-MW01-99D~~			GW	3		1		X	X	
~~USTAS4158-MW02-99D~~			GW	3		1		X	X	
USTAS4158-MW03-99D	10/20/99	0940	GW	3		1		X	X	EDD
USTAS4158-MW04-99D		0835	GW	3		1		X	X	Send To:
USTAS4158-MW05-99D		08:50	GW	3		1		X	X	evansp@clb.usmc.mil
USTAS4158-MW07-99D		11:45	GW	3		1		X	X	Copy To:
USTAS4158-MW08-99D		10:00	GW	3		1		X	X	pauln@clb.usmc.mil
USTAS4158-MW09-99D		12:20	GW	3		1		X	X	
USTAS4158-MW10-99D		11:25	GW	3		1		X	X	
USTAS4158-MW11-99D		10:15	GW	3		1		X	X	
USTAS4158-MW13-99D		10:25	GW	3		1		X	X	
USTAS4158-MW14-99D		11:10	GW	3		1		X	X	
USTAS4158-MW15-99D		10:55	GW	3		1		X	X	
USTAS4158-MW17-99D		12:00	GW	3		1		X	X	
USTAS4158-DUP1-99D		—	GW	3		1		X	X	
USTAS4158-DUP2-99D		—	GW	3		1		X	X	
USTAS4158-EQ-99D	10/20/99	12:30	W	3		1		X	X	
USTAS4158-TRIP-99D	—	—	W	2				X		

Relinquished By	Date	Time	Received By	Date	Time	Temperature
RICHARD SAMPLE	10/20/99	1600	Fedex	10/21/99	9:45	4.1, 2.8, 2.0

Sampled By	Airbill #
R.SAMPLE	

Tape broken - cooler not sealed upon receipt
EXR 10/21/99

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW01-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 69623
Lab Project ID: G182-366

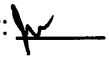
Analyzed By: CKC
Date Collected: 07/30/99
Date Received: 07/31/99
Matrix: Water

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: 

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:**	BLDG AS4158	**Date:** 7/30/99	**Report To:** Casey Hudson
Address:	8936 Western Way	**P.O Number:**		**Turnaround:** STANDARD	
Address:	Suite 10	**Contact :**	Casey Hudson	**Job Number:** T.O. 35D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page 1 OF 1**	**Invoice To:** T.O. 35D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	602	610						EDD E182 3000
USTAS4158-MW01-99C	7/30/99	10:05	GW	3		1		X	X						

No Further Entries

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
RICHARD SAMPLE	7/30/99	10:05		7/31/99	1000	3.1°C	R.SAMPLE	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW03-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68256
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-MW04-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68257
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-MW05-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68258
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-MW07-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68259
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-MW08-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68260
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-MW09-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68261
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	**5**
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	**1**
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	**28**
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	**41**
o-Xylene	7/21/99	1	2	**14**

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: USTAS4158-MW11-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68262
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	**16**
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	**13**
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-MW14-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68263
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-MW15-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68264
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-MW17-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68265
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-DUP1-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68266
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	**24**
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	**14**
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-EQ-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68267
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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: USTAS4158-TRIP-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68268
Lab Project ID: G182-358

Analyzed By: RNP
Date Collected: 07/14/99
Date Received: 07/15/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	7/21/99	1	1	BQL
Chlorobenzene	7/21/99	1	1	BQL
1,2-Dichlorobenzene	7/21/99	1	2	BQL
1,3-Dichlorobenzene	7/21/99	1	2	BQL
1,4-Dichlorobenzene	7/21/99	1	2	BQL
Ethylbenzene	7/21/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	7/21/99	1	2	BQL
Toluene	7/21/99	1	1	BQL
m/p-Xylene	7/21/99	1	2	BQL
o-Xylene	7/21/99	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 Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW03-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68256
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

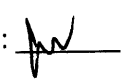
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.1	81
4-Terphenyl-d14	10	9.7	97
Nitrobenzene-d5	10	7.6	76

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW04-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68257
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
4-Terphenyl-d14	10	5.7	57
Nitrobenzene-d5	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 Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW05-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68258
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
4-Terphenyl-d14	10	10.3	103
Nitrobenzene-d5	10	9.6	96

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW07-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68259
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
4-Terphenyl-d14	10	5.6	56
Nitrobenzene-d5	10	9.7	97

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW08-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68260
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
4-Terphenyl-d14	10	7.5	75
Nitrobenzene-d5	10	8.4	84

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: [signature]

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW09-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68261
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	**68**
Acenaphthylene	10	BQL
Acenaphthene	10	**17**
Fluorene	10	**89**
Phenanthrene	10	**160**
Anthracene	10	**20**
Fluoranthene	10	BQL
Pyrene	10	**22**
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**240**
2-Methylnaphthalene	10	**360**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	6.2	62
4-Terphenyl-d14	10	5.4	54
Nitrobenzene-d5	10	12.8	128

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW11-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68262
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

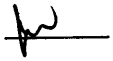
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.5	105
4-Terphenyl-d14	10	10.7	107
Nitrobenzene-d5	10	9.7	97

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW14-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68263
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.2	102
4-Terphenyl-d14	10	9.2	92
Nitrobenzene-d5	10	11.4	114

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: MW

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW15-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68264
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.7	117
4-Terphenyl-d14	10	12.2	122
Nitrobenzene-d5	10	10.5	105

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-MW17-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68265
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.5	105
4-Terphenyl-d14	10	11.2	112
Nitrobenzene-d5	10	10	100

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID:	USTAS4158-DUP1-99C	Date Analyzed:	7/24/99
Client Project ID:	BLDG AS4158	Analyzed By:	MRC
Lab Sample ID:	68266	Date Collected:	7/14/99
Lab Project ID:	G182-358	Date Received:	7/15/99
Matrix:	Water	Dilution:	1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

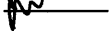
Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.6	116
4-Terphenyl-d14	10	12.6	126
Nitrobenzene-d5	10	11.1	111

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds by GCMS 625

Client Sample ID: USTAS4158-EQ-99C
Client Project ID: BLDG AS4158
Lab Sample ID: 68267
Lab Project ID: G182-358
Matrix: Water

Date Analyzed: 7/24/99
Analyzed By: MRC
Date Collected: 7/14/99
Date Received: 7/15/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11.1	111
4-Terphenyl-d14	10	12.5	125
Nitrobenzene-d5	10	10.5	105

Comments:

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

Flags:

BQL = Below Quantitation Limit.

Reviewed By: _____

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW09-99B
Client Project ID: USTAS4158
Lab Sample ID: 63047
Lab Project ID: G182-317

Analyzed By: ELP
Date Collected: 05/07/99
Date Received: 05/08/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/12/99	4	4	**13**
Chlorobenzene	5/12/99	4	4	BQL
1,2-Dichlorobenzene	5/12/99	4	8	BQL
1,3-Dichlorobenzene	5/12/99	4	8	BQL
1,4-Dichlorobenzene	5/12/99	4	8	BQL
Ethylbenzene	5/12/99	4	4	**61**
Methyl-tert-butyl ether (MTBE)	5/12/99	4	8	**23**
Toluene	5/12/99	4	4	BQL
m/p-Xylene	5/12/99	4	8	**240**
o-Xylene	5/12/99	4	8	**81**

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: USTAS4158-MW02-99B
Client Project ID: USTAS4158
Lab Sample ID: 63048
Lab Project ID: G182-317

Analyzed By: ELP
Date Collected: 05/07/99
Date Received: 05/08/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/13/99	1	1	BQL
Chlorobenzene	5/13/99	1	1	BQL
1,2-Dichlorobenzene	5/13/99	1	2	BQL
1,3-Dichlorobenzene	5/13/99	1	2	BQL
1,4-Dichlorobenzene	5/13/99	1	2	BQL
Ethylbenzene	5/13/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/13/99	1	2	BQL
Toluene	5/13/99	1	1	BQL
m/p-Xylene	5/13/99	1	2	BQL
o-Xylene	5/13/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	44	110

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: 

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS4158-MW09-99B
Client Project ID: USTAS4158
Lab Sample ID: 63047
Lab Project ID: G182-317
Matrix: Water

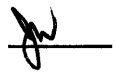
Date Analyzed: 5/13/99
Analyzed By: MRC
Date Collected: 5/7/99
Date Received: 5/8/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	**56**
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	**26**
Phenanthrene	10	**37**
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**120**
2-Methylnaphthalene	10	**120**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.8	58
4-Terphenyl-d14	10	3.8	38
Nitrobenzene-d5	10	8.7	87

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID:	USTAS4158-MW02-99B	Date Analyzed:	5/13/99
Client Project ID:	USTAS4158	Analyzed By:	MRC
Lab Sample ID:	63048	Date Collected:	5/7/99
Lab Project ID:	G182-317	Date Received:	5/8/99
Matrix:	Water	Dilution:	1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	3.9	39
4-Terphenyl-d14	10	8.1	81
Nitrobenzene-d5	10	2.8	28

Comments:

All values corrected for Dilution and %Solids.

E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

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:**	USTAS4158	**Date:**	5/7/99
Address:	8936 Western Way	**P.O Number:**		**Turnaround:**	Standard
Address:	Suite 10	**Contact :**	Casey Hudson	**Job Number:**	
	Jacksonville, Fla. 3225	**Phone:**	904-363-0911	**Page**	1 OF 1
Paradigm Quote # :					

Report To: Casey Hudson

Invoice To:

D.O. # 35D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrocloric Acid	None			Analyses: 602	610						Comments
USTAS4158-MW09-99B	5/7/99	1009	GW	3	1			X	X						EDD
USTAS4158-MW02-99B	5/7/99	1014	GW	3	1			X	X						

E182-317

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Sheridan	5/7/99	1420	[illegible]	5/8/99	10:45	1.3°C	R. Sample	

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	**Project ID:**	BLDG AS4158	**Date:** 7/14/99	**Report To:** Casey Hudson
Address:	8936 Western Way	**P.O Number:**		**Turnaround:** STANDARD	
Address:	Suite 10	**Contact :**	Casey Hudson	**Job Number:** T.O. 35D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page 1 OF 1**	**Invoice To:** T.O. 35D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrochloric Acid	Nitric Acid	None	Sodium Hydroxide	Analyses: 602	610						Comments
~~USTAS4158-MW01-99C1~~	~~7/14/99~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						
~~USTAS4158-MW02-99C1~~	~~7/14/99~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						
USTAS4158-MW03-99C	7/14/99	0915	GW	3		1		X	X						EED G182-358
USTAS4158-MW04-99C	7/14/99	0845	GW	3		1		X	X						
USTAS4158-MW05-99C	7/14/99	0905	GW	3		1		X	X						
USTAS4158-MW07-99C	7/14/99	1050	GW	3		1		X	X						
USTAS4158-MW08-99C	7/14/99	0940	GW	3		1		X	X						
USTAS4158-MW09-99C	7/14/99	1140	GW	3		1		X	X						
~~USTAS4158-MW10-99C1~~	~~7/14/99~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						
USTAS4158-MW11-99C	7/14/99	10:00	GW	3		1		X	X						
~~USTAS4158-MW13-99C1~~	~~7/14/99~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						
USTAS4158-MW14-99C	7/14/99	10:45	GW	3		1		X	X						
USTAS4158-MW15-99C	7/14/99	10:20	GW	3		1		X	X						
USTAS4158-MW17-99C	7/14/99	11:20	GW	3		1		X	X						
USTAS4158-DUP1-99C	7/14/99	—	GW	3		1		X	X						
~~USTAS4158-DUP2-99C1~~	~~7/14/99~~		~~GW~~	~~3~~		~~1~~		~~X~~	~~X~~						
USTAS4158-EQ-99C	7/14/99	12:30	W	3		1		X	X						
USTAS4158-TRIP-99C	7/14/99	—	W	2		2		X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
RICHARD SAMPLE	7/14/99	1300	ERaw	7/15/99	10:25	0.4, 2.6	R.SAMPLE	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW01-99B
Client Project ID: USTAS4158
Lab Sample ID: 61391
Lab Project ID: G182-307
Matrix: Water

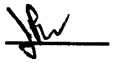
Date Analyzed: 4/26/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9	90
4-Terphenyl-d14	10	6.7	67
Nitrobenzene-d5	10	9.1	91

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW03-99B
Client Project ID: USTAS4158
Lab Sample ID: 61392
Lab Project ID: G182-307
Matrix: Water

Date Analyzed: 4/26/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	20	13.6	68
4-Terphenyl-d14	20	13.5	67.5
Nitrobenzene-d5	20	13.3	66.5

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: _____

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW04-99B
Client Project ID: USTAS4158
Lab Sample ID: 61393
Lab Project ID: G182-307
Matrix: Water

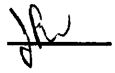
Date Analyzed: 4/26/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.9	89
4-Terphenyl-d14	10	6.2	62
Nitrobenzene-d5	10	9.5	95

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-MW05-99B
Client Project ID: USTAS4158
Lab Sample ID: 61394
Lab Project ID: G182-307
Matrix: Water

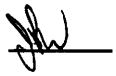
Date Analyzed: 4/26/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.8	108
4-Terphenyl-d14	10	10.6	106
Nitrobenzene-d5	10	10.2	102

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW07-99B
Client Project ID: USTAS4158
Lab Sample ID: 61395
Lab Project ID: G182-307
Matrix: Water

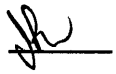
Date Analyzed: 4/27/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.3	83
4-Terphenyl-d14	10	6.7	67
Nitrobenzene-d5	10	8	80

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW08-99B
Client Project ID: USTAS4158
Lab Sample ID: 61396
Lab Project ID: G182-307
Matrix: Water

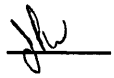
Date Analyzed: 4/27/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.5	105
4-Terphenyl-d14	10	10.2	102
Nitrobenzene-d5	10	10.9	109

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds
by GCMS 625

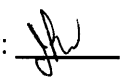
Client Sample ID: USTAS 4158-MW10-99B
Client Project ID: USTAS4158
Lab Sample ID: 61397
Lab Project ID: G182-307
Matrix: Water

Date Analyzed: 4/27/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.2	102
4-Terphenyl-d14	10	9.4	94
Nitrobenzene-d5	10	10.4	104

Comments:
All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW11-99B
Client Project ID: USTAS4158
Lab Sample ID: 61398
Lab Project ID: G182-307
Matrix: Water

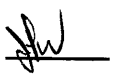
Date Analyzed: 4/27/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	11	110
4-Terphenyl-d14	10	10.8	108
Nitrobenzene-d5	10	11.7	117

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-MW13-99B
Client Project ID: USTAS4158
Lab Sample ID: 61399
Lab Project ID: G182-307
Matrix: Water

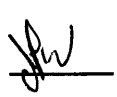
Date Analyzed: 4/27/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	**36**
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	**22**
2-Methylnaphthalene	10	**32**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	5.4	54
4-Terphenyl-d14	10	3.8	38
Nitrobenzene-d5	10	8.2	82

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW14-99B
Client Project ID: USTAS4158
Lab Sample ID: 61400
Lab Project ID: G182-307
Matrix: Water

Date Analyzed: 4/27/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.4	84
4-Terphenyl-d14	10	9.7	97
Nitrobenzene-d5	10	8.5	85

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: _____

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-MW15-99B
Client Project ID: USTAS4158
Lab Sample ID: 61401
Lab Project ID: G182-307
Matrix: Water

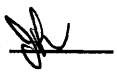
Date Analyzed: 4/27/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.9	99
4-Terphenyl-d14	10	8.7	87
Nitrobenzene-d5	10	10.6	106

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW17-99B
Client Project ID: USTAS4158
Lab Sample ID: 61402
Lab Project ID: G182-307
Matrix: Water

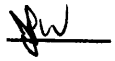
Date Analyzed: 4/28/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	10.4	104
4-Terphenyl-d14	10	10.4	104
Nitrobenzene-d5	10	10.8	108

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW18-99B
Client Project ID: USTAS4158
Lab Sample ID: 61403
Lab Project ID: G182-307
Matrix: Water

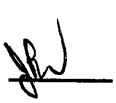
Date Analyzed: 4/28/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
4-Terphenyl-d14	10	9.3	93
Nitrobenzene-d5	10	9.2	92

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-DUP-1-99B
Client Project ID: USTAS4158
Lab Sample ID: 61404
Lab Project ID: G182-307
Matrix: Water

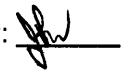
Date Analyzed: 4/28/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	9.4	94
4-Terphenyl-d14	10	10.1	101
Nitrobenzene-d5	10	10.2	102

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-DUP-2-99B
Client Project ID: USTAS4158
Lab Sample ID: 61405
Lab Project ID: G182-307
Matrix: Water

Date Analyzed: 4/28/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	8.8	88
4-Terphenyl-d14	10	9.9	99
Nitrobenzene-d5	10	8.9	89

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: _____

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-EQ-99B
Client Project ID: USTAS4158
Lab Sample ID: 61406
Lab Project ID: G182-307
Matrix: Water

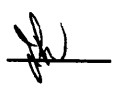
Date Analyzed: 4/28/99
Analyzed By: MRC
Date Collected: 4/19/99
Date Received: 4/20/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	10	7.1	71
4-Terphenyl-d14	10	8.6	86
Nitrobenzene-d5	10	6.8	68

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: 

Flags: BQL - Below Quantitation Limit

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW01-99B
Client Project ID: USTAS4158
Lab Sample ID: 61391
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/1/99	1	1	BQL
Chlorobenzene	5/1/99	1	1	BQL
1,2-Dichlorobenzene	5/1/99	1	2	BQL
1,3-Dichlorobenzene	5/1/99	1	2	BQL
1,4-Dichlorobenzene	5/1/99	1	2	BQL
Ethylbenzene	5/1/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/1/99	1	2	BQL
Toluene	5/1/99	1	1	BQL
m/p-Xylene	5/1/99	1	2	BQL
o-Xylene	5/1/99	1	2	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
Trifluorotoluene	40	44	110

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW03-99B
Client Project ID: USTAS4158
Lab Sample ID: 61392
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/29/99	1	1	BQL
Chlorobenzene	4/29/99	1	1	BQL
1,2-Dichlorobenzene	4/29/99	1	2	BQL
1,3-Dichlorobenzene	4/29/99	1	2	BQL
1,4-Dichlorobenzene	4/29/99	1	2	BQL
Ethylbenzene	4/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/29/99	1	2	BQL
Toluene	4/29/99	1	1	BQL
m/p-Xylene	4/29/99	1	2	BQL
o-Xylene	4/29/99	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 4158-MW04-99B
Client Project ID: USTAS4158
Lab Sample ID: 61393
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/29/99	1	1	BQL
Chlorobenzene	4/29/99	1	1	BQL
1,2-Dichlorobenzene	4/29/99	1	2	BQL
1,3-Dichlorobenzene	4/29/99	1	2	BQL
1,4-Dichlorobenzene	4/29/99	1	2	BQL
Ethylbenzene	4/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/29/99	1	2	BQL
Toluene	4/29/99	1	1	BQL
m/p-Xylene	4/29/99	1	2	BQL
o-Xylene	4/29/99	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: USTAS 4158-MW05-99B
Client Project ID: USTAS4158
Lab Sample ID: 61394
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/29/99	1	1	BQL
Chlorobenzene	4/29/99	1	1	BQL
1,2-Dichlorobenzene	4/29/99	1	2	BQL
1,3-Dichlorobenzene	4/29/99	1	2	BQL
1,4-Dichlorobenzene	4/29/99	1	2	BQL
Ethylbenzene	4/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/29/99	1	2	BQL
Toluene	4/29/99	1	1	BQL
m/p-Xylene	4/29/99	1	2	BQL
o-Xylene	4/29/99	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: USTAS 4158-MW07-99B
Client Project ID: USTAS4158
Lab Sample ID: 61395
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/29/99	1	1	BQL
Chlorobenzene	4/29/99	1	1	BQL
1,2-Dichlorobenzene	4/29/99	1	2	BQL
1,3-Dichlorobenzene	4/29/99	1	2	BQL
1,4-Dichlorobenzene	4/29/99	1	2	BQL
Ethylbenzene	4/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/29/99	1	2	BQL
Toluene	4/29/99	1	1	BQL
m/p-Xylene	4/29/99	1	2	BQL
o-Xylene	4/29/99	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 4158-MW08-99B
Client Project ID: USTAS4158
Lab Sample ID: 61396
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/29/99	1	1	BQL
Chlorobenzene	4/29/99	1	1	BQL
1,2-Dichlorobenzene	4/29/99	1	2	BQL
1,3-Dichlorobenzene	4/29/99	1	2	BQL
1,4-Dichlorobenzene	4/29/99	1	2	BQL
Ethylbenzene	4/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/29/99	1	2	BQL
Toluene	4/29/99	1	1	BQL
m/p-Xylene	4/29/99	1	2	BQL
o-Xylene	4/29/99	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: USTAS 4158-MW10-99B
Client Project ID: USTAS4158
Lab Sample ID: 61397
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/29/99	1	1	BQL
Chlorobenzene	4/29/99	1	1	BQL
1,2-Dichlorobenzene	4/29/99	1	2	BQL
1,3-Dichlorobenzene	4/29/99	1	2	BQL
1,4-Dichlorobenzene	4/29/99	1	2	BQL
Ethylbenzene	4/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/29/99	1	2	BQL
Toluene	4/29/99	1	1	BQL
m/p-Xylene	4/29/99	1	2	BQL
o-Xylene	4/29/99	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: USTAS 4158-MW11-99B
Client Project ID: USTAS4158
Lab Sample ID: 61398
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/29/99	1	1	5
Chlorobenzene	4/29/99	1	1	BQL
1,2-Dichlorobenzene	4/29/99	1	2	BQL
1,3-Dichlorobenzene	4/29/99	1	2	BQL
1,4-Dichlorobenzene	4/29/99	1	2	BQL
Ethylbenzene	4/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/29/99	1	2	8
Toluene	4/29/99	1	1	BQL
m/p-Xylene	4/29/99	1	2	BQL
o-Xylene	4/29/99	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 4158-MW13-99B
Client Project ID: USTAS4158
Lab Sample ID: 61399
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/30/99	2	2	**38**
Chlorobenzene	4/30/99	2	2	BQL
1,2-Dichlorobenzene	4/30/99	2	4	BQL
1,3-Dichlorobenzene	4/30/99	2	4	BQL
1,4-Dichlorobenzene	4/30/99	2	4	BQL
Ethylbenzene	4/30/99	2	2	**3**
Methyl-tert-butyl ether (MTBE)	4/30/99	2	4	**18**
Toluene	4/30/99	2	2	**7**
m/p-Xylene	4/30/99	2	4	BQL
o-Xylene	4/30/99	2	4	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: USTAS 4158-MW14-99B
Client Project ID: USTAS4158
Lab Sample ID: 61400
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

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

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW15-99B
Client Project ID: USTAS4158
Lab Sample ID: 61401
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/29/99	1	1	BQL
Chlorobenzene	4/29/99	1	1	BQL
1,2-Dichlorobenzene	4/29/99	1	2	BQL
1,3-Dichlorobenzene	4/29/99	1	2	BQL
1,4-Dichlorobenzene	4/29/99	1	2	BQL
Ethylbenzene	4/29/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/29/99	1	2	BQL
Toluene	4/29/99	1	1	BQL
m/p-Xylene	4/29/99	1	2	BQL
o-Xylene	4/29/99	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: USTAS 4158-MW17-99B
Client Project ID: USTAS4158
Lab Sample ID: 61402
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/30/99	1	1	BQL
Chlorobenzene	4/30/99	1	1	BQL
1,2-Dichlorobenzene	4/30/99	1	2	BQL
1,3-Dichlorobenzene	4/30/99	1	2	BQL
1,4-Dichlorobenzene	4/30/99	1	2	BQL
Ethylbenzene	4/30/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/30/99	1	2	BQL
Toluene	4/30/99	1	1	BQL
m/p-Xylene	4/30/99	1	2	BQL
o-Xylene	4/30/99	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 4158-MW18-99B
Client Project ID: USTAS4158
Lab Sample ID: 61403
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/30/99	1	1	BQL
Chlorobenzene	4/30/99	1	1	BQL
1,2-Dichlorobenzene	4/30/99	1	2	BQL
1,3-Dichlorobenzene	4/30/99	1	2	BQL
1,4-Dichlorobenzene	4/30/99	1	2	BQL
Ethylbenzene	4/30/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/30/99	1	2	BQL
Toluene	4/30/99	1	1	BQL
m/p-Xylene	4/30/99	1	2	BQL
o-Xylene	4/30/99	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 4158-DUP-1-99B
Client Project ID: USTAS4158
Lab Sample ID: 61404
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)	
Benzene	4/30/99	1	1		8
Chlorobenzene	4/30/99	1	1	BQL	
1,2-Dichlorobenzene	4/30/99	1	2	BQL	
1,3-Dichlorobenzene	4/30/99	1	2	BQL	
1,4-Dichlorobenzene	4/30/99	1	2	BQL	
Ethylbenzene	4/30/99	1	1	BQL	
Methyl-tert-butyl ether (MTBE)	4/30/99	1	2		8
Toluene	4/30/99	1	1	BQL	
m/p-Xylene	4/30/99	1	2	BQL	
o-Xylene	4/30/99	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 4158-DUP-2-99B
Client Project ID: USTAS4158
Lab Sample ID: 61405
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/30/99	1	1	BQL
Chlorobenzene	4/30/99	1	1	BQL
1,2-Dichlorobenzene	4/30/99	1	2	BQL
1,3-Dichlorobenzene	4/30/99	1	2	BQL
1,4-Dichlorobenzene	4/30/99	1	2	BQL
Ethylbenzene	4/30/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/30/99	1	2	BQL
Toluene	4/30/99	1	1	BQL
m/p-Xylene	4/30/99	1	2	BQL
o-Xylene	4/30/99	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 4158-EQ-99B
Client Project ID: USTAS4158
Lab Sample ID: 61406
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	4/30/99	1	1	BQL
Chlorobenzene	4/30/99	1	1	BQL
1,2-Dichlorobenzene	4/30/99	1	2	BQL
1,3-Dichlorobenzene	4/30/99	1	2	BQL
1,4-Dichlorobenzene	4/30/99	1	2	BQL
Ethylbenzene	4/30/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	4/30/99	1	2	BQL
Toluene	4/30/99	1	1	BQL
m/p-Xylene	4/30/99	1	2	BQL
o-Xylene	4/30/99	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 4158-TRIP-99B
Client Project ID: USTAS4158
Lab Sample ID: 61407
Lab Project ID: G182-307

Analyzed By: ELP
Date Collected: 04/19/99
Date Received: 04/20/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	5/1/99	1	1	BQL
Chlorobenzene	5/1/99	1	1	BQL
1,2-Dichlorobenzene	5/1/99	1	2	BQL
1,3-Dichlorobenzene	5/1/99	1	2	BQL
1,4-Dichlorobenzene	5/1/99	1	2	BQL
Ethylbenzene	5/1/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	5/1/99	1	2	BQL
Toluene	5/1/99	1	1	BQL
m/p-Xylene	5/1/99	1	2	BQL
o-Xylene	5/1/99	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: 

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:**	USTAS4158	**Date:**	4-19-99	**Report To:**
Address:	8936 Western Way	**P.O Number:**		**Turnaround:**	Standard	Casey Hudson
Address:	Suite 10	**Contact :**	Casey Hudson	**Job Number:**		
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page**	1 OF 2	**Invoice To:**
Paradigm Quote # :						**D.O. #** 35D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrocloric Acid	Preservative & No. Bottles: NONE			Analyses: 602	Analyses: 610						Comments
															6182-307
USTAS 4158-MW01-99B	4/19/99	0941	GW	3	1			X	X						
~~USTAS 4158-MW02-99B~~			~~GW~~	~~3~~	~~1~~			~~X~~	~~X~~	-6					NO SAMPLE taken - dry well
USTAS 4158-MW03-99B	4/19/99	1025	GW	3	1			X	X						
USTAS 4158-MW04-99B	4/19/99	0900	GW	3	1			X	X						
USTAS 4158-MW05-~~99B~~	4/19/99	0920	GW	3	1			X	X						
USTAS 4158-MW07-99B	4/19/99	1150	GW	3	1			X	X						
USTAS 4158-MW08-99B	4/19/99	1045	GW	3	1			X	X						
~~USTAS 4158-MW09-99B~~	4/19/99		~~GW~~	~~3~~	~~1~~			~~X~~	~~X~~	-6					N/A NOT LISTED ON QUARTERLY FOR THIS PERIOD.
USTAS 4158-MW10-99B	4/19/99	1205	GW	3	1			X	X						
USTAS 4158-MW11-99B	4/19/99	1255	GW	3	1			X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Hunter	4/19/99	4:04	Emily Rake	4/20/99	9:45	4.0, 1.3	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	**Project ID:**	USTAS4158	**Date:**	4-19-99
Address:	8936 Western Way	**P.O Number:**		**Turnaround:**	Standard
Address:	Suite 10	**Contact :**	Casey Hudson	**Job Number:**	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page**	2 OF 2

Report To: Casey Hudson

Invoice To:

D.O. # 35D

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrocloric Acid	Preservative & No. Bottles: NONE			Analyses: 602	Analyses: 610						Comments
USTAS 4158-MW13-99B	4/19/99	1235	GW	3	1			X	X						6182-307
USTAS 4158-MW14-99B	4/19/99	1325	GW	3	1			X	X						
USTAS 4158-MW15-99B	4/19/99	1355	GW	3	1			X	X						
USTAS 4158-MW17-99B	4/19/99	1115	GW	3	1			X	X						
USTAS 4158-MW18-99B	4/19/99	1405	GW	3	1			X	X						
USTAS 4158-DUP-1-99B	4/19/99		GW	3	1			X	X						
USTAS 4158-DUP-2-99B	4/19/99		GW	3	1			X	X						
USTAS 4158-EQ-99B	4/19/99	1415	GW	3	1			X	X						
USTAS 4158-TRIP-99B	4/19/99		GW	3	1			X	X						
	4/19/99		GW	3	1			X	X						

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Thurston	4/19/99	4:04	[illegible]	4/20/99	9:45	4.0, 13	R. Sample	
							T. Ellerman	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS4158-MW09-99A
Client Project ID: USTAS4158
Lab Sample ID: 56973
Lab Project ID: G182-273
Matrix: Water

Date Analyzed: 3/3/99
Analyzed By: JPW
Date Collected: 2/16/99
Date Received: 2/18/99
Dilution: 1000.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10000	BQL
Acenaphthylene	10000	BQL
Acenaphthene	10000	BQL
Fluorene	10000	BQL
Phenanthrene	10000	**11000**
Anthracene	10000	**11000**
Fluoranthene	10000	BQL
Pyrene	10000	BQL
Benzo[a]anthracene	10000	BQL
Chrysene	10000	BQL
Benzo[b]fluoranthene	10000	BQL
Benzo[k]fluoranthene	10000	BQL
Benzo[a]pyrene	10000	BQL
Dibenzo[a,h]anthracene	10000	BQL
Benzo[g,h,i]perylene	10000	BQL
Indeno(1,2,3-c,d)pyrene	10000	BQL
1-Methylnaphthalene	10000	**17000**
2-Methylnaphthalene	10000	**90000**

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	NA	NA
4-Terphenyl-d14	100	NA	NA
Nitrobenzene-d5	100	NA	NA

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.
Not applicable, surrogates diluted out.

Reviewed By: _____

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID:	USTAS4158-MW13-99A	Date Analyzed:	2/26/99
Client Project ID:	USTAS4158	Analyzed By:	JPW
Lab Sample ID:	56974	Date Collected:	2/16/99
Lab Project ID:	G182-273	Date Received:	2/18/99
Matrix:	Water	Dilution:	1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	86	86
4-Terphenyl-d14	100	99	99
Nitrobenzene-d5	100	97	97

Comments:

All values corrected for Dilution and %Solids.

E = Estimated value, exceeds calibration range.

Reviewed By: _____

Flags: BQL - Below Quantitation Limit

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-MW09-99A
Client Project ID: USTAS4158
Lab Sample ID: 56973
Lab Project ID: G182-273

Analyzed By: ELP
Date Collected: 02/16/99
Date Received: 02/18/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/26/99	10	10	**110**
Chlorobenzene	2/26/99	10	10	BQL
1,2-Dichlorobenzene	2/26/99	10	20	BQL
1,3-Dichlorobenzene	2/26/99	10	20	BQL
1,4-Dichlorobenzene	2/26/99	10	20	BQL
Ethylbenzene	2/26/99	10	10	**86**
Methyl-tert-butyl ether (MTBE)	2/26/99	10	20	**26**
Toluene	2/26/99	10	10	BQL
m/p-Xylene	2/26/99	10	20	**330**
o-Xylene	2/26/99	10	20	**140**

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: mo

Results for Volatiles

by GC 602

Client Sample ID: USTAS4158-MW13-99A
Client Project ID: USTAS4158
Lab Sample ID: 56974
Lab Project ID: G182-273

Analyzed By: ELP
Date Collected: 02/16/99
Date Received: 02/18/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/23/99	1	1	1
Chlorobenzene	2/23/99	1	1	BQL
1,2-Dichlorobenzene	2/23/99	1	2	BQL
1,3-Dichlorobenzene	2/23/99	1	2	BQL
1,4-Dichlorobenzene	2/23/99	1	2	BQL
Ethylbenzene	2/23/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/23/99	1	2	7
Toluene	2/23/99	1	1	BQL
m/p-Xylene	2/23/99	1	2	BQL
o-Xylene	2/23/99	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: [signature]

Results for Volatiles
by GC 602

Client Sample ID: USTAS4158-TRIP-99A
Client Project ID: USTAS4158
Lab Sample ID: 56975
Lab Project ID: G182-273

Analyzed By: ELP
Date Collected: 02/16/99
Date Received: 02/18/99
Matrix: Water

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

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:**	USTAS4158	**Date:**	2/16/99	**Report To:**
Address:	8936 Western Way	**P.O Number:**		**Turnaround:**	Standard	Casey Hudson
Address:	Suite 10	**Contact :**	Casey Hudson	**Job Number:**		
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page**	1 OF 1	**Invoice To:**
Paradigm Quote # :						**D.O. #** 35D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: Hydrocloric Acid				Analyses: 602	610						Comments
															Trip blanks provided by lab.
															G182-273
USTAS4158-MW09-99A	2/16/99	9:40	GW	X				X	X						
USTAS4158-MW13-99A	2/16/99	9:00	GW	X				X	X						
USTAS4158-TRIP-99A	2/16/99	/	W	X				X							

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Sheridan	2/16/99	4:37	Emily Roland	2/18/99	9:47	3.1°C	C Sheridan	
							R. Sample	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-MW03-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55643
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	78	78
4-Terphenyl-d14	100	96	96
Nitrobenzene-d5	100	77	77

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: MW

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW04-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55644
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 1/30/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	55	55
4-Terphenyl-d14	100	47	47
Nitrobenzene-d5	100	49	49

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: [signature]

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-MW05-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55645
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/1/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	97	97
4-Terphenyl-d14	100	99	99
Nitrobenzene-d5	100	97	97

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: _____

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-MW07-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55646
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/1/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	83	83
4-Terphenyl-d14	100	69	69
Nitrobenzene-d5	100	87	87

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: mw

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-MW08-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55647
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/2/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	89	89
4-Terphenyl-d14	100	94	94
Nitrobenzene-d5	100	89	89

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: MW

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW10-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55648
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/2/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	86	86
4-Terphenyl-d14	100	74	74
Nitrobenzene-d5	100	87	87

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: hwm

Flags: BQL - Below Quantitation Limit

Results for Polynuclear Aromatic Hydrocarbons
EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW11-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55649
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/9/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	94	94
4-Terphenyl-d14	100	81	81
Nitrobenzene-d5	100	84	84

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: _____

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-MW14-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55650
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/9/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	77	77
4-Terphenyl-d14	100	68	68
Nitrobenzene-d5	100	93	93

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: MW

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-MW15-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55651
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/9/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	57	57
4-Terphenyl-d14	100	58	58
Nitrobenzene-d5	100	53	53

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: WMc

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-MW17-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55652
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/4/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	76	76
4-Terphenyl-d14	100	106	106
Nitrobenzene-d5	100	70	70

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: [signature]

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds
by GCMS 625

Client Sample ID: USTAS 4158-Dup1-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55653
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/4/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	83	83
4-Terphenyl-d14	100	88	88
Nitrobenzene-d5	100	79	79

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: JW

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-Dup2-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55654
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/9/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	99	99
4-Terphenyl-d14	100	124	124
Nitrobenzene-d5	100	95	95

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: [signature]

Flags: BQL - Below Quantitation Limit

Paradigm Analytical Laboratories, Inc

Results for Polynuclear Aromatic Hydrocarbons

EPA 610 Compounds

by GCMS 625

Client Sample ID: USTAS 4158-EQ-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55655
Lab Project ID: G182-265
Matrix: Water

Date Analyzed: 2/9/99
Analyzed By: JPW
Date Collected: 1/25/99
Date Received: 1/26/99
Dilution: 1.0

Compound	Quantitation Limit (ug/L)	Result (ug/L)
Naphthalene	10	BQL
Acenaphthylene	10	BQL
Acenaphthene	10	BQL
Fluorene	10	BQL
Phenanthrene	10	BQL
Anthracene	10	BQL
Fluoranthene	10	BQL
Pyrene	10	BQL
Benzo[a]anthracene	10	BQL
Chrysene	10	BQL
Benzo[b]fluoranthene	10	BQL
Benzo[k]fluoranthene	10	BQL
Benzo[a]pyrene	10	BQL
Dibenzo[a,h]anthracene	10	BQL
Benzo[g,h,i]perylene	10	BQL
Indeno(1,2,3-c,d)pyrene	10	BQL
1-Methylnaphthalene	10	BQL
2-Methylnaphthalene	10	BQL

Surrogate Spike Recoveries	Spike Added	Spike Result	Percent Recovered
2-Fluorobiphenyl	100	94	94
4-Terphenyl-d14	100	115	115
Nitrobenzene-d5	100	85	85

Comments:

All values corrected for Dilution and %Solids.
E = Estimated value, exceeds calibration range.

Reviewed By: mw

Flags: BQL - Below Quantitation Limit

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# 07347

Page 1 of 2

Client: JA JONES ENVIRO SERV. Project ID: UST AS 4158 Date: 1-25-99 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: A.O. 35d

Sample ID	Date	Time	Matrix	Preservatives: HCl	Analyses: 602	Analyses: 610
~~USTAS 4158 MW01-99A~~			GW			
USTAS 4158-MW02-99A	1/25/99	9:50				
USTAS 4158-MW03-99A		9:35				
USTAS 4158-MW04-99A		8:50				
USTAS 4158-MW05-99A		10:15				
USTAS 4158-MW07-99A		11:35				
USTAS 4158-MW08-99A		10:35				
USTAS 4158-MW10-99A		10:50				
USTAS 4158-MW11-99A		1:10				
~~USTAS 4158-MW13-99A~~						

Comments: Please specify any special reporting requirements
EQ, Trip, & Temp Blanks provided By Lab.
No sample MW01
NO 610 on MW02
6182-205
No sample MW13

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Sheridan	1-25-99	3:00	Emily Rahus	1/26/99	11:40	1.0°C	C. Sheridan	
							R. Sample	

ORIGINAL

Radian Analytical Laboratories, Inc

NC Certification #481

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# 07348

Page 2 of 2

Client: JA Jones Envied Sru. Project ID: UST AS 4158
Address: 8936 Western Way Suite 10 P.O. Number:
Address: Jacksonville, FL 32256 Contact: Casey Hudson
Quote #: Phone: 904-363-0911

Date: 1-25-99
Turnaround: STANDARD
Job Number:

Report To: Casey Hudson
same
Invoice To: AO # 35d.

Sample ID	Date	Time	Matrix	Preservatives: HCl	Analyses: 602	Analyses: 610	Comments: Please specify any special reporting requirements
UST AS 4158 - MW-14-99A	1/25/99	12:25					G182-265
UST AS 4158 - MW15-99A		12:00					
UST AS 4158 - MW17-99A		1:45					
UST AS 4158 - DUP-1-99A		"					
UST AS 4158 - DUP-2-99A		"					
UST AS 4158 - EQ-99A		8:35	H_2O				
UST AS 4158 - TRIP-99A	—	—	H_2O				

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Sheridan	1-25-99	3:00	Emily Parker	1/26/99	11:40	1.0°C	C. Sheridan	
							R. Sample	

ORIGINAL

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW02-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55642
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
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:

Results for Volatiles

by GC 602

Client Sample ID: USTAS 4158-MW03-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55643
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/1/99	1	1	1
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: mm

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW04-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55644
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
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	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW05-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55645
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
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	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS 4158-MW07-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55646
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
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	39	98

Comments:

All values corrected for dilution.

Flags:

BQL = Below quantitation limit

Reviewed By: [signature]

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW08-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55647
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
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	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: mw

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW10-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55648
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
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	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By: 

Results for Volatiles

by GC 602

Client Sample ID: USTAS 4158-MW11-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55649
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/2/99	1	1	**7**
Chlorobenzene	2/2/99	1	1	BQL
1,2-Dichlorobenzene	2/2/99	1	2	BQL
1,3-Dichlorobenzene	2/2/99	1	2	BQL
1,4-Dichlorobenzene	2/2/99	1	2	BQL
Ethylbenzene	2/2/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/2/99	1	2	**12**
Toluene	2/2/99	1	1	BQL
m/p-Xylene	2/2/99	1	2	BQL
o-Xylene	2/2/99	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: USTAS 4158-MW14-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55650
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
Matrix: Water

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

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW15-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55651
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
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: MW

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-MW17-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55652
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/2/99	1	1	BQL
Chlorobenzene	2/2/99	1	1	BQL
1,2-Dichlorobenzene	2/2/99	1	2	BQL
1,3-Dichlorobenzene	2/2/99	1	2	BQL
1,4-Dichlorobenzene	2/2/99	1	2	BQL
Ethylbenzene	2/2/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/2/99	1	2	BQL
Toluene	2/2/99	1	1	BQL
m/p-Xylene	2/2/99	1	2	BQL
o-Xylene	2/2/99	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: USTAS 4158-Dup1-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55653
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
Matrix: Water

Compound	Date Analyzed	Dilution	Quantitation Limit (ug/L)	Result (ug/L)
Benzene	2/2/99	1	1	**7**
Chlorobenzene	2/2/99	1	1	BQL
1,2-Dichlorobenzene	2/2/99	1	2	BQL
1,3-Dichlorobenzene	2/2/99	1	2	BQL
1,4-Dichlorobenzene	2/2/99	1	2	BQL
Ethylbenzene	2/2/99	1	1	BQL
Methyl-tert-butyl ether (MTBE)	2/2/99	1	2	**12**
Toluene	2/2/99	1	1	BQL
m/p-Xylene	2/2/99	1	2	BQL
o-Xylene	2/2/99	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: mn

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-Dup2-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55654
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
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	39	98

Comments:
All values corrected for dilution.

Flags:
BQL = Below quantitation limit

Reviewed By:

Results for Volatiles
by GC 602

Client Sample ID: USTAS 4158-EQ-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55655
Lab Project ID: G182-265

Analyzed By: RNP
Date Collected: 01/25/99
Date Received: 01/26/99
Matrix: Water

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

Results for Volatiles
by GC 602

Client Sample ID: Trip Blank
Client Project ID: UST AS 4158
Lab Sample ID: 55656
Lab Project ID: G182-265

Analyzed By: ELP
Date Collected: 01/25/99
Date Received: 01/26/99
Matrix: Water

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

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# 07347

Page 1 of 2

Client: JA JONES ENVIRO SERV. Project ID: UST AS 4158 Date: 1-25-99 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: A.O. 35d

Sample ID	Date	Time	Matrix	Preservatives: HCl	Analyses: 40 602	Analyses: 80 610	Comments: Please specify any special reporting requirements
~~USTAS 4158 MW01-99A~~			GW		X	X	EQ, Trip, & Temp Blanks provided By Lab.
USTAS 4158-MW02-99A	1/25/99	9:50			X	X	No sample MW01
USTAS 4158-MW03-99A		9:35				X	NO 610 on MW02
USTAS 4158-MW04-99A		8:50					
USTAS 4158-MW05-99A		10:15					6182-205
USTAS 4158-MW07-99A		11:35					
USTAS 4158-MW08-99A		10:35					
USTAS 4158-MW10-99A		10:50					
USTAS 4158-MW11-99A		1:10					
~~UST AS 4158 MW13-99A~~					X	X	No sample MW13

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Sheridan	1-25-99	3:00	Emily Rahn	1/26/99	11:40	1.0°C	C. Sheridan	
							R. Sample	

ORIGINAL

Paradigm Analytical Laboratories, Inc.
NC Certification #481

APPENDIX B

AIR QUALITY SAMPLES - LABORATORY ANALYTICAL REPORTS

Results for Carbon Tube Volatiles

by GC/MS

Client Sample ID: USTAS4158-SVE-I-03A
Client Project ID: AS4158
Lab Sample ID: 60859
Lab Project ID: G182-815
Matrix: Air

Date Collected: 1/7/2003
Date Received: 1/13/2003
Date Analyzed: 1/29/2003
Analyzed By: MRC

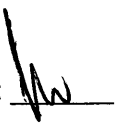
Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	0.20	BQL	ug/L
Chlorobenzene	1	0.20	BQL	ug/L
1,2-Dichlorobenzene	1	0.20	BQL	ug/L
1,3-Dichlorobenzene	1	0.20	BQL	ug/L
1,4-Dichlorobenzene	1	0.20	BQL	ug/L
Ethylbenzene	1	0.20	BQL	ug/L
Toluene	1	0.20	BQL	ug/L
m-,p-Xylene	1	0.20	BQL	ug/L
o-Xylene	1	0.20	BQL	ug/L

Comments:

Quantitation at 25°C and 1 atm.

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:**	Bldg AS4158	**Date:**	1/9/03	**Report To:**
Address:	8936 Western Way	**P.O Number:**		**Turnaround:**	**Standard**	**Tracy Thrift**
Address:	Suite 10	**Contact :**	Tracy Thrift	**Job Number:**	T. O. # 67D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page**	**1 of 1**	**Invoice To:**

Paradigm Quote # : T.O. 67D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles				Analyses							Comments
				None				*602							
USTAS4158-SVE-I-03A	01/07/03	~~1430~~ 1530 1130	Air	X				X							*602 constituents using
															USEPA Method 18
															Air Pump Calibrated to 1 liter/min
															Copy/FAX results to:
															Steve Palmrose@910-577-3611

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	1/10/03	1600		1/13/03	1030	ambient	T. Ellerman	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Carbon Tube Volatiles

by GC/MS

Client Sample ID: USTAS4158-SVE-I-02A
Client Project ID: Bldg AS4158
Lab Sample ID: 35358
Lab Project ID: G182-736
Matrix: Air

Date Collected: 1/8/2002
Date Received: 1/10/2002
Date Analyzed: 1/23/2002
Analyzed By: MRC

Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	0.23	BQL	mg/m3
Chlorobenzene	1	0.23	BQL	mg/m3
1,2-Dichlorobenzene	1	0.23	BQL	mg/m3
1,3-Dichlorobenzene	1	0.23	BQL	mg/m3
1,4-Dichlorobenzene	1	0.23	BQL	mg/m3
Ethylbenzene	1	0.23	BQL	mg/m3
Toluene	1	0.23	BQL	mg/m3
m-,p-Xylene	1	0.23	BQL	mg/m3
o-Xylene	1	0.23	BQL	mg/m3

Comments:

Quantitation at 25°C and 1 atm.

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:**	Bldg AS4158	**Date:** 1/8/02		**Report To:**
Address:	8936 Western Way	**P.O Number:**		**Turnaround:**	**Standard**	**Tracy Thrift**
Address:	Suite 10	**Contact :**	Tracy Thrift	**Job Number:**	T. O. # 67D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page**	**1 of 1**	**Invoice To:**

Paradigm Quote # :

T.O. 67D

Sample ID	Date	Time	Matrix*	Preservative & No. Bottles: None				Analyses: *602							Comments
															G182-736
USTAS4158-SVE-I-02A	01/08/02	0900/1000	Air	X				X							*602 constituents using
															USEPA Method 18
															Air Pump Calibrated to 1 liter/min
															EDD Send To:
															evansp@clb.usmc.mil
															Copy To:
															paul@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	1/9/02		A Hyong	1/10/02	10:10	Ambient	T. Ellerman	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Carbon Tube Volatiles

by GC/MS

Client Sample ID: USTAS4158-SVE-E-01D
Client Project ID: Bldg AS4158
Lab Sample ID: 29680
Lab Project ID: G182-707
Matrix: Air

Date Collected: 10/9/2001
Date Received: 10/10/2001
Date Analyzed: 10/19/2001
Analyzed By: MRC

Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	0.20	BQL	mg/m3
Chlorobenzene	1	0.20	BQL	mg/m3
1,2-Dichlorobenzene	1	0.20	BQL	mg/m3
1,3-Dichlorobenzene	1	0.20	BQL	mg/m3
1,4-Dichlorobenzene	1	0.20	BQL	mg/m3
Ethylbenzene	1	0.20	BQL	mg/m3
Toluene	1	0.20	BQL	mg/m3
m-,p-Xylene	1	0.20	BQL	mg/m3
o-Xylene	1	0.20	BQL	mg/m3

Comments:

Quantitation at 25°C and 1 atm.

Flags:

BQL = Below quantitation limit.

Reviewed By: MW

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:**	Bldg AS4158	**Date:** 10/9/01		**Report To:**
Address:	8936 Western Way	**P.O Number:**		**Turnaround:**	**Standard**	~~Jeff Henniger~~ T. THRIFT
Address:	Suite 10	**Contact :**	~~Jeff Henniger~~	**Job Number:**	T. O. # 67D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page**	**1 of 1**	**Invoice To:**

Paradigm Quote # : T.O. 67D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: None				Analyses: *602							Comments
															G182-707
USTAS4158-SVE-E-01D	10/09/01	1050	Air	X	2			X							*602 constituents using
															USEPA Method 18
															Air Pump Calibrated to 1 liter/min
															EDD Send To:
															evansp@clb.usmc.mil
															Copy To:
															paul@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Theresa Ellerman	10/9/01						T. Ellerman	
Larry Wessell	10/9/01	1600		10/10/01	0940	ambient		

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Carbon Tube Volatiles

by GC/MS

Client Sample ID: USTAS4158-SVE-E-01C
Client Project ID: Bldg AS4158
Lab Sample ID: 23365
Lab Project ID: G182-672
Matrix: Air

Date Collected: 7/9/2001
Date Received: 7/10/2001
Date Analyzed: 7/16/2001
Analyzed By: MRC

Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	0.23	BQL	mg/m3
Chlorobenzene	1	0.23	BQL	mg/m3
1,2-Dichlorobenzene	1	0.23	BQL	mg/m3
1,3-Dichlorobenzene	1	0.23	BQL	mg/m3
1,4-Dichlorobenzene	1	0.23	BQL	mg/m3
Ethylbenzene	1	0.23	BQL	mg/m3
Toluene	1	0.23	BQL	mg/m3
m-,p-Xylene	1	0.23	BQL	mg/m3
o-Xylene	1	0.23	BQL	mg/m3

Comments:

Quantitation at 25°C and 1 atm.

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: Bldg AS4158
P.O Number:
Contact : Jeff Henniger
Phone: 904-363-0911

Date: 7/9/01
Turnaround: Standard
Job Number: T. O. # 67D
Page 1 of 1

Report To: Jeff Henniger

Invoice To:

T.O. 67D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: None				Analyses: *602							Comments
															G182672
USTAS4158-SVE-E-01C	7/9/01	1250/1350	Air	X				X							*602 constituents using
															USEPA Method 18
															Air Pump Calibrated to 1 liter/min
															EDD Send To:
															evansp@clb.usmc.mil
															Copy To:
															paul@clb.usmc.mil

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Theresa Ellerman	7/9/01	1600		7/10/01	0940	Ambient

Sampled By	Airbill #
T. Ellerman	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Carbon Tube Volatiles

by GC/MS

Client Sample ID: USTAS4158-SVE-E-01A
Client Project ID: Bldg AS4158
Lab Sample ID: 15105
Lab Project ID: G182-628
Matrix: Air

Date Collected: 2/15/01
Date Received: 2/16/01
Date Analyzed: 2/27/01
Analyzed By: MRC

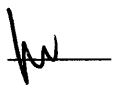
Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	33	BQL	mg/m3
Chlorobenzene	1	33	BQL	mg/m3
1,2-Dichlorobenzene	1	33	BQL	mg/m3
1,3-Dichlorobenzene	1	33	BQL	mg/m3
1,4-Dichlorobenzene	1	33	BQL	mg/m3
Ethylbenzene	1	33	BQL	mg/m3
Toluene	1	33	BQL	mg/m3
m-,p-Xylene	1	33	BQL	mg/m3
o-Xylene	1	33	BQL	mg/m3

Comments:

Quantitation at 25°C and 1 atm.

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:	Bldg AS4158	Date: 2/15/2001	[illegible]	Report To:
Address:	8936 Western Way	P.O Number:		Turnaround:	Standard	Jeff Henniger
Address:	Suite 10	Contact :	Jeff Henniger	Job Number:	T. O. # 670	
	Jacksonville, Fla. 32256	Phone:	904-363-0911	Page	1 of 1	Invoice To: 670 T.O. [illegible]

Paradigm Quote # :

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: None				Analyses: *602							Comments
															G182625
															EED
STAS4158-SVE-E-01	2/15/01	0915 1015	Air	X				X							*602 constituents using
															USEPA Method 18
															Air Pump Calibrated to 4.00cc/min

Relinquished By	Date	Time	Received By	Date	Time	Temperature		Sampled By	Analyst
Theresa Ellerman	2/15/01	1600							
								T. Ellerman	

Paradigm Analytical Laboratories, Inc.

SENT BY: J.A. JONES; 9107730611; FEB-15-01 4:33PM; PAGE 1/1

Paradigm Analytical Laboratories, Inc

Results for Charcoal Tube Analysis
by GC/MS

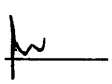
Client Sample ID: USTAS4158-SVE-E-99D
Client Project ID: USTAS4158
Lab Sample ID: 73966
Lab Project ID: G182-409
Matrix: Air

Date Analyzed: 11/11/99
Analyzed By: MRC
Date Collected: 10/13/09
Date Received: 10/14/99

Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	1.33	BQL	mg/m^3
1,2-Dichlorobenzene	1	1.33	BQL	mg/m^3
1,3-Dichlorobenzene	1	1.33	BQL	mg/m^3
1,4-Dichlorobenzene	1	1.33	BQL	mg/m^3
Chlorobenzene	1	1.33	BQL	mg/m^3
Ethylbenzene	1	1.33	BQL	mg/m^3
Toluene	1	1.33	BQL	mg/m^3
m-,p-Xylene	1	1.33	BQL	mg/m^3
o-Xylene	1	1.33	BQL	mg/m^3
Methyl-tert butyl ether	1	1.33	BQL	mg/m^3
Diisopropyl ether	1	1.33	BQL	mg/m^3

Comments:
Quantitation at 25°C and 1 atm.

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: USTAS4158
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 10/13/99
Turnaround: standard
Job Number: T.O. #35d
Page 1 of 1

Report To: Casey Hudson

Invoice To: T.O. #35d

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: None	Analyses: 602 const's/USEPA method 18	Comments
USTAS4158-SVE-E-990	10/13/99	8:30 9:40	Air	x	x	E1182-409
						*602 constituents using USEPA method 18
						Begin time: 8:30
						End time: 9:40

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
	10-13-99	3:00		10/14	10:15	Ambient		

Paradigm Analytical Laboratories, Inc

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Charcoal Tube Analysis
by GC/MS

Client Sample ID: USTAS4158-SVE-E-99C
Client Project ID: Bldg. AS4158
Lab Sample ID: 67890
Lab Project ID: G182-350
Matrix: Air

Date Analyzed: 7/23/99
Analyzed By: WML/MRC
Date Collected: 7/7/99
Date Received: 7/9/99

Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	0.31	BQL	mg/m^3
1,2-Dichlorobenzene	1	0.31	BQL	mg/m^3
1,3-Dichlorobenzene	1	0.31	BQL	mg/m^3
1,4-Dichlorobenzene	1	0.31	BQL	mg/m^3
Chlorobenzene	1	0.31	BQL	mg/m^3
Ethylbenzene	1	0.31	BQL	mg/m^3
Toluene	1	0.31	BQL	mg/m^3
m-,p-Xylene	1	0.31	BQL	mg/m^3
o-Xylene	1	0.31	BQL	mg/m^3
Methyl-tert butyl ether	1	0.31	BQL	mg/m^3
Diisopropyl ether	1	0.31	BQL	mg/m^3

Comments:
Quantitation at 25°C and 1 atm.

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:**	Bldg AS4158	**Date:**	7/8/1999	**Report To:**
Address:	8936 Western Way	**P.O Number:**		**Turnaround:**	**Standard**	**Casey Hudson**
Address:	Suite 10	**Contact :**	Casey Hudson	**Job Number:**	T. O. # 35D	
	Jacksonville, Fla. 32256	**Phone:**	904-363-0911	**Page**	**1 of 1**	**Invoice To:**

Paradigm Quote # :

T.O. 35D

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: None	Analyses: *602	Comments
						EED 9182-350
USTAS4158-SVE-E-99C	7/7/99	12:15 / 13:15	Air	X	X	*602 constituents using
						USEPA Method 18

Relinquished By	Date	Time	Received By	Date	Time	Temperature
Richard Sample	7/8/99		Ellerm	7/9/99	10:18	ambient

Sampled By	Airbill #
R. Sample	
T. Ellerman	

Paradigm Analytical Laboratories, Inc

NC Certification #481

Results for Charcoal Tube Analysis

by GC/MS

Client Sample ID: USTAS4158-SVE-99B
Client Project ID: Bldg AS4158
Lab Sample ID: 60960
Lab Project ID: G182-303
Matrix: Air

Date Analyzed: 5/17/99
Analyzed By: WML
Date Collected: 4/12/99
Date Received: 4/14/99

Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	0.31	BQL	mg/m^3
1,2-Dichlorobenzene	1	0.31	BQL	mg/m^3
1,3-Dichlorobenzene	1	0.31	BQL	mg/m^3
1,4-Dichlorobenzene	1	0.31	BQL	mg/m^3
Chlorobenzene	1	0.31	BQL	mg/m^3
Ethylbenzene	1	0.31	BQL	mg/m^3
Toluene	1	0.31	BQL	mg/m^3
m-,p-Xylene	1	0.31	BQL	mg/m^3
o-Xylene	1	0.31	BQL	mg/m^3
Methyl-tert butyl ether	1	0.31	BQL	mg/m^3
Diisopropyl ether	1	0.31	BQL	mg/m^3

Comments:

Quantitation at 25°C and 1 atm.

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:
P.O Number:
Contact : Casey Hudson
Phone: 904-363-0911

Date: 4/12/1999
Turnaround: standard
Job Number: D.O. #35d
Page 1 of 1

Report To: Casey Hudson
Invoice To:

Paradigm Quote # : D.O. #35d

Sample ID	Date	Time	Matrix	Preservative & No. Bottles: None	Analyses: 602 const's/USEPA method 18	Comments
						G182-303
USTAS4158-SVE-99B	4/12/99	*	Air	x	x	*602 constituents using
						USEPA method 18
						Begin time: 1:17
						End time: 2:17

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Sheridan	4/12/99	6:40	E Rawls	4/14/99	10:01	ambient	C. Sheridan	

NC Certification #481

Paradigm Analytical Laboratories, Inc

Results for Charcoal Tube Analysis

by GC/MS

Client Sample ID: USTAS4158-SVE-E-99A
Client Project ID: UST AS 4158
Lab Sample ID: 55185
Lab Project ID: G182-260
Matrix: Air

Date Analyzed: 2/4/99
Analyzed By: WML
Date Collected: 1/18/99
Date Received: 1/19/99

Compound	Dilution	Quantitation Limit	Result	Units
Benzene	1	0.27	BQL	mg/m^3
1,2-Dichlorobenzene	1	0.27	BQL	mg/m^3
1,3-Dichlorobenzene	1	0.27	BQL	mg/m^3
1,4-Dichlorobenzene	1	0.27	BQL	mg/m^3
Chlorobenzene	1	0.27	BQL	mg/m^3
Ethylbenzene	1	0.27	BQL	mg/m^3
Toluene	1	0.27	BQL	mg/m^3
m-,p-Xylene	1	0.27	BQL	mg/m^3
o-Xylene	1	0.27	BQL	mg/m^3
Methyl-tert butyl ether	1	0.27	BQL	mg/m^3
Diisopropyl ether	1	0.27	BQL	mg/m^3

Comments:

Quantitation at 25°C and 1 atm.

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# 16772
Page 1 of 1

Client: JAJES
Address: 8936 Western Way Suite 10
Address: Jacksonville, FL 32256
Quote #:

Project ID: UST AS 4158
P.O. Number:
Contact: Casey Hudson
Phone: 904-363-0911

Date: 1/18/99
Turnaround: standard
Job Number:

Report To: Casey Hudson
same
Invoice To: DO # 35d

Sample ID	Date	Time	Matrix	Preservatives	Analyses: 602 Constituents using USEPA method 8/18	Comments: Please specify any special reporting requirements
						8182-200
UST AS4158-SVE-E-99A	1/18/99	10:35-11:35	Air		✓	Start: 10:35 Stop: 11:35

Relinquished By	Date	Time	Received By	Date	Time	Temperature	Sampled By	Airbill #
Connie Sheridan	1/18/99	2:19	Emily Rakus	1/19/99	9:49	ambient	CSheridan	

ORIGINAL

Paradigm Analytical Laboratories, Inc

NC Certification #481