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SITE ASSESSMENT REPORT BUILDING 782 FORMER POWER HOUSE NAS PENSACOLA
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11/26/2008
AEROSTAR ENVIRONMENTAL SERVICES, INC.

**SITE ASSESSMENT REPORT
BUILDING 782 - FORMER POWER HOUSE
NAVAL AIR STATION PENSACOLA
PENSACOLA, ESCAMBIA COUNTY, FLORIDA
CONTRACT NO. N62467-06-M-3720**

FOR SUBMITTAL TO:

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Public Works Department
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Pensacola, Florida 32508-5303

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CERTIFICATION

PROFESSIONAL ENGINEER LICENSED IN THE STATE OF FLORIDA

This is to certify that the geological and hydrogeological features of the *Site Assessment (SA) Report prepared for the area of a former Aboveground Storage Tank (AST) at Building 782 - Former Power House, NAS Pensacola, Pensacola, Escambia County, Florida*, have been examined by the undersigned and comply with standard professional practices, other rules of the Department and any other applicable laws and rules governing the profession.

Signature: _____
James O. Smith, Jr., P.E.
Florida Registration No. _____
Signature Date _____

1.0 EXECUTIVE SUMMARY

Aerostar Environmental Services, Inc. (AEROSTAR) conducted the Site Assessment (SA) activities in the area of a former diesel aboveground storage tank (AST) located at Building 782 at Naval Air Station (NAS) Pensacola, Pensacola, Escambia County, Florida. The facility identified as Building 782 is hereafter referred to as the site. A topographic site location map is included as Figure 1. The SA was performed in accordance with the approved work plan under Contract Task Order (CTO) Number N62467-06-M-3720. The purpose of the SA was to evaluate current soil and groundwater contamination in the area of the former diesel AST system at the site. The scope of work and findings are summarized below.

- Building 782 was formerly a power generation plant and was in operation from 1955 to approximately 1990. Site 782 was the location of the diesel AST 782E. According to an uncompleted Contamination Assessment Report provided by the Navy, dated December 1997, a discharge of 400 gallons of diesel was reported to the Escambia County Environmental Health Department in 1996. Site 782 was demolished in 2006. The site currently consists of a small, one story pre-engineered building with an asphalt driveway that was constructed in 2006 in the grassy field.
- On December 18 and 19, 2007, AEROSTAR mobilized to the site to install ten soil borings, B-1 through B-10, using Direct Push Technology (DPT) to evaluate soil quality. Soil borings B-1 through B-10 were installed to depths of 14 feet below land surface (BLS) in the area of the former AST system. Soil samples were field screened with a calibrated portable organic vapor analyzer with a flame ionization detector (OVA-FID) and collected for analyses of parameters listed in the Environmental Protection Agency (EPA) Method 8260B for volatile organic aromatics (VOAs), EPA Method 8270C for Polynuclear Aromatic Hydrocarbons (PAHs), and the FL-PRO Method for Total Recoverable Petroleum Hydrocarbons (TRPH). Ten temporary wells were installed at the soil boring locations, and a groundwater sample was collected from each well for analysis of parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and the FL-PRO Method for TRPH.
- On December 20, 2007, AEROSTAR installed eight permanent monitor wells, MW-1 through MW-8, in the area of the contaminant discharge. The monitor wells were installed to depths of approximately 14 feet BLS.
- Based on the soil and groundwater analytical data collected between December 18 and 19, 2007, B-11/TW-11 was installed on December 21, 2007 to further evaluate soil and groundwater quality. Soil boring B-11 was advanced to a depth of 14 feet BLS. Soil samples were field screened with a calibrated portable OVA-FID. Soil sample B-11 (4-6') was collected and analyzed for parameters listed in the EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and the FL-PRO Method for TRPH. Temporary

well TW-11 was installed at the location of B-11. A groundwater sample was collected from TW-11 and analyzed for the parameters listed in the EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and the FL-PRO Method for TRPH. A permanent monitor well, MW-9, was installed at the location of B-11/TW-11 to a depth of approximately 14 feet BLS.

- On February 11, 2008, AEROSTAR mobilized to the site to install soil borings B-12, B-13 and B-14. Soil borings B-12, B-13, and B-14 were advanced to depths of fourteen feet BLS. Soil samples were field screened with a calibrated portable OVA-FID. Two vertical extent monitor wells, DMW-1 and DMW-2, were installed in the area of the contaminant discharge. The vertical extent wells were installed to depths of approximately 30 feet BLS.
- On February 18, 2008, AEROSTAR measured depth to water (DTW) and collected groundwater samples from twelve monitor wells, MW-1 through MW-9, DMW-1, DMW-2, and the pre-existing well MW-3 (installed by Water and Earth Sciences, Inc. (W.E.S.)) for laboratory analysis of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and the FL-PRO Method for TRPH.
- On March 26, 2008, AEROSTAR installed three soil borings, B-15, B-16, and B-17, two shallow monitor wells, MW-10 and MW-11 and one vertical extent well, DMW-3, to further evaluate soil and groundwater quality at the site. MW-10 and MW-11 were installed to depths of approximately 15 feet BLS, and DMW-3 was installed to a depth of approximately 31 feet BLS.
- On April 18, 2008, AEROSTAR measured DTW in all of the existing monitor wells and collected groundwater samples from MW-10, MW-11, and DMW-3 for laboratory analysis of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and the FL-PRO Method for TRPH.
- Top of Casing (TOC) elevations were surveyed for each monitor well to determine the groundwater elevations in each well. Groundwater measurements were collected on February 18 and April 18, 2008.
- Results of the SA indicate groundwater at the site is impacted with concentrations of petroleum hydrocarbons in the area of the former AST system. Based on results of the SA, AEROSTAR recommends that groundwater monitoring be conducted at the site for two quarters to determine a trend in site groundwater concentrations.

The remainder of this report is organized as follows; Section 2 provides a site description and background information; Section 3 describes the methods of investigation utilized to evaluate soil and groundwater; Section 4 summarizes the results of the investigation; and Section 5 presents a summary of our conclusions and recommendations. Tables containing a summary of the analytical results and figures illustrating the findings are included at the end of the report.

2.0 SITE DESCRIPTION AND BACKGROUND

NAS Pensacola is located in Escambia County, approximately five miles west of the Pensacola city limits. The approximate 5,000-acre installation was constructed in the 1800s. Prior to construction, the facility was undeveloped and sparsely vegetated. Land use at NAS Pensacola consists of various military housing, training, and support facilities, as well as large industrial complexes for major repairs and refurbishment of aircraft frames and engines. A topographic site map is presented as Figure 1.

Site 782 was formerly a power generation plant. The facility was in operation from 1955 to approximately 1990. During this period, various chemicals were used in the production of power for the air station. Chemical products were stored in no less than 16 ASTs located throughout the facility.

Site 782 is the location of the diesel AST 782E, a Public Works Center (PWC) Pensacola day tank, which supplied a PWC power plant emergency generator. According to an uncompleted Contamination Assessment Report provided by the Navy, dated December 1997, a discharge of 400 gallons of diesel was reported to the Escambia County Environmental Health Department in 1996.

Between November 19, 1996 and February 27, 1997, temporary wells PZ-1 through PZ-11 and shallow groundwater monitor wells MW-1 through MW-4 were installed at the site by W.E.S. The temporary wells were installed to a depth of eight feet BLS and the permanent monitor wells were installed to a depth of 15 feet BLS. Soil samples were collected from boreholes advanced during the installation of PZ-1 through PZ-11 and MW-1 through MW-4. Only the soil sample from PZ-9 at five feet exceeded the Florida Department of Environmental Protection (FDEP) regulatory limits of 50 milligrams per kilogram (mg/kg) for Total Volatile Organic Carbons (VOCs). Groundwater samples were collected from PZ-1, 2, 3, 5, and 8 and shallow groundwater monitor wells MW-1 through MW-4. Groundwater samples were not collected from PZ-4, PZ-6, PZ-7, PZ-9, PZ-10, or PZ-11 due to the presence of free product in those wells. Only PZ-5 exceeded the FDEP allowable limit of 5 milligrams per liter (mg/L) for TRPH. The report identified petroleum impacted soil and groundwater.

Between December 2001 and January 2002, PSI conducted a Limited Site Assessment at the site. Sixteen soil borings were advanced to two feet BLS and two soil samples were collected from each boring location. Twenty of the thirty-one soil samples indicated concentrations of arsenic, dieldrin, benzo(a)anthracene, benzo(b)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, and dibenzo-(a,h)anthracene were above the Soil Cleanup Target Levels (SCTLs) for direct exposure listed in Chapter 62-777, Florida Administrative Code (F.A.C.). Nine of the thirty-one soil samples indicated concentrations of carbozole, benzo(a)anthracene, cadmium, chromium, and dieldrin to be above the SCTLs for leachability based on groundwater listed in Chapter 62-777, F.A.C.

Site 782 was demolished in 2006. The site currently consists of a small, one story pre-engineered building with an asphalt driveway that was constructed in 2006 in the grassy field. A site map showing the structures associated with the former power plant and the existing site conditions is presented as Figure 2.

AEROSTAR was contracted by NAVFAC Southeast on July 19, 2007 to perform the SA.

3.0 METHODS OF INVESTIGATION

AEROSTAR initiated the field activities in the area of the former AST system in accordance with the approved work plan under CTO No. N62467-06-M-3720 on September 18, 2007. A description and summary of investigations conducted at the site are presented in the following sections.

3.1 Soil Boring Installation and Sampling

On December 18 and 19, 2007, AEROSTAR mobilized to the site to install ten soil borings, B-1 through B-10, using DPT to evaluate soil contamination. Soil borings were installed to a depth of fourteen (14) feet BLS in the area where the contaminant discharge occurred. Soil samples were collected at two-foot intervals and field-screened with a calibrated, portable OVA-FID. OVA Screening Results are presented in Table 1. Soil samples that yielded positive OVA-FID readings were collected for laboratory analysis. Four soil samples, B-1 (4-6'), B-4 (4-6'), B-8 (4-6'), and B-10 (4-6') were submitted for laboratory analysis of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and FL-PRO Method for TRPH.

On December 21, 2007, AEROSTAR installed one soil boring and temporary well, B-11/TW-11, using DPT to further delineate groundwater contamination to the west of temporary well TW-8. The soil boring location was determined based on analytical data collected on December 18 and 19, 2007. Soil samples were collected at two-foot intervals and field-screened with a calibrated, portable OVA-FID. Soil samples that yielded positive OVA-FID readings were collected for laboratory analysis. One soil sample, B-11 (4-6'), was submitted for laboratory analysis of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and FL-PRO Method for TRPH.

On February 11, 2008 AEROSTAR mobilized to the site to install three soil borings, B-12, B-13, and B-14. Soil boring locations were determined based on analytical data collected between December 18 and 21, 2007. Soil boring B-12 was advanced approximately 35 feet northeast of boring B-8/TW-8. Soil boring B-13 was advanced approximately five feet north of soil boring B-4/TW-4. Soil boring B-14 was advanced approximately five feet north of B-8/TW-8 and was

used as a vertical extent boring and monitor well. Soil samples were collected at two-foot intervals and field-screened with a calibrated, portable OVA-FID. One soil sample collected from B-12 at a depth of four to six feet was submitted for laboratory analysis of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and FL-PRO Method for TRPH.

On March 26, 2008, AEROSTAR mobilized to the site to install three additional soil borings, B-15, B-16, and B-17. Soil samples were collected at two-foot intervals and field-screened with a calibrated, portable OVA-FID. Soil samples that yielded positive OVA-FID readings were collected for laboratory analysis. One soil sample was collected from B-17 at a depth of four to six feet BLS and submitted for laboratory analysis of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and FL-PRO Method for TRPH.

All soil samples collected between December 18, 2007 and March 26, 2008 were collected in appropriate sample containers supplied by the subcontracted laboratory, placed on ice in a shipping cooler, and delivered to a State-approved laboratory. Soil boring locations are shown in Figure 3. Soil Boring Logs are presented in Appendix A. Soil analytical results are discussed in Section 4.1.

3.2 Temporary Well Installation and Sampling

Between December 18 and 19, 2007, AEROSTAR installed ten temporary monitor wells, TW-1 through TW-10 in soil borings B-1 through B-10. Groundwater samples were collected from temporary wells TW-1 through TW-10 to evaluate groundwater quality. Groundwater samples were submitted for analyses of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and FL-PRO Method for TRPH.

On December 21, 2007, AEROSTAR installed temporary well TW-11, located approximately 35 feet west of TW-8. Temporary well TW-8 had elevated contaminant concentrations in the groundwater sample collected on December 18, 2007. The groundwater sample was submitted for analyses of the parameters listed in EPA Method 8021B for VOAs, EPA Method 8270C for PAHs, and FL-PRO Method for TRPH.

All wells were installed to 14 feet BLS. Each groundwater sample was collected through a decontaminated, 1.25-inch diameter, stainless steel, 0.010-inch slotted screen. The screen was advanced inside a 1.5-inch diameter, steel barrel, and capped with a disposable stainless steel drill point. Dedicated Teflon[™] tubing was placed through the piping into the well screen in order to develop the well point and obtain a groundwater sample. Well development was accomplished using an adjustable flow peristaltic pump which created a flow rate of approximately 0.5 gallons per minute. The sample was collected after the fine sediments in the well were removed and the groundwater showed little or no turbidity. Upon reaching the desired depth, the drill point was released and the barrel was withdrawn four feet to expose the well screen to the formation. The groundwater sample was collected from within the shallow aquifer at approximately seven to ten feet BLS. Groundwater was encountered during the investigation at approximately six to seven feet BLS. All groundwater samples collected between December 18 and 21, 2007 were collected using a variable speed peristaltic pump.

The groundwater sampling was conducted in accordance with the guidelines established in FDEP SOP-001/01, revision date June 8, 2004. Groundwater analytical results for samples collected from temporary wells are discussed in Section 4.2 and are summarized in Table 3. Temporary well locations are shown in Figure 3.

3.3 Monitoring Well Installation and Sampling

Between December 20 and 21, 2007, AEROSTAR installed monitor wells MW-1 through MW-9 at the locations of soil borings B-1, B-2, B-4, B-5, B-6, B-7, B-8, B-10, and B-11, respectively. Monitor wells MW-1 through MW-9 were installed using a truck mounted drill rig to depths of approximately 14 feet BLS. Soil samples were collected at two foot intervals continuously in order to record lithology. Groundwater was encountered during the investigation at approximately six to seven feet BLS.

On February 11, 2008, AEROSTAR installed two vertical extent monitor wells, DMW-1 and DMW-2, in the area of the contaminant discharge to evaluate groundwater contamination in the deeper aquifer. DMW-1 and DMW-2 were installed to depths of approximately thirty (30) feet

BLS. Soil samples were collected at two foot intervals continuously in order to record lithology. Groundwater was encountered during the investigation at approximately six to seven feet BLS.

On February 18, 2008, AEROSTAR collected groundwater samples from MW-1 through MW-9, DMW-1, DMW-2, and the pre-existing well MW-3 (installed by W.E.S.). The groundwater samples were collected using a variable speed peristaltic pump. The groundwater samples were placed in appropriate sample containers, placed on ice in a shipping cooler, and delivered to a State-approved laboratory. Groundwater samples were submitted for analyses of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and FL-PRO Method for TRPH.

On March 26, 2008, AEROSTAR installed two shallow monitor wells, MW-10 and MW-11, and one vertical extent monitor well, DMW-3. The wells were installed in the area of the contaminant discharge to further delineate groundwater contamination in the areas south and east of the former diesel release. Monitor wells MW-10 and MW-11 were installed to depths of approximately 14 feet BLS, and DMW-3 was installed to a depth of approximately 30 feet BLS. Soil samples were collected at two foot intervals continuously in order to record lithology. Groundwater was encountered during the investigation at approximately six to seven feet BLS.

On April 18, 2008, AEROSTAR collected groundwater samples from MW-10, MW-11, and DMW-3 to further evaluate groundwater quality. The groundwater samples were collected using a variable speed peristaltic pump. The groundwater samples were placed in appropriate sample containers, placed on ice in a shipping cooler, and delivered to a State-approved laboratory. Groundwater samples were submitted for analyses of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and FL-PRO Method for TRPH.

All monitor well installation activities were accomplished in accordance with the FDEP, Bureau of Petroleum Storage Systems “Petroleum Contamination Site Cleanup Criteria” dated April 17, 2005. All groundwater sampling was conducted in accordance with the guidelines established in FDEP SOP-001/01, revision date June 8, 2004. Groundwater Sampling Logs are included in

Appendix D. Monitor well locations are shown on Figure 3. Monitor Well Construction Logs are included in Appendix E. Groundwater analytical results for samples collected from monitor wells are discussed in Section 4.3 and included in Appendix F.

3.4 Groundwater Elevation Measurements

On February 18, 2008, AEROSTAR measured depth to groundwater measurements at MW-1 through MW-9, DMW-1, DMW-2, and the pre-existing well MW-3 (installed by W.E.S.). On April 18, 2008, AEROSTAR measured depth to groundwater measurements at MW-1 through MW-11, DMW-1, DMW-2, DMW-3, and the pre-existing well MW-3. Prior to gauging the depths to water, the well caps were removed and the water levels allowed to stabilize for at least 15 minutes. The depth to water was measured to the nearest 0.01' using an electronic water level indicator and recorded on a field sample collection log. Groundwater Sampling Logs are included in Appendix D. Groundwater elevations are summarized on Table 4.

4.0 RESULTS OF INVESTIGATION

4.1 Results of Soil Laboratory Analyses

Between December 17, 2007 and March 26, 2008, soil borings B-1 through B-17 were advanced across the site. Soil samples were collected at two-foot intervals and field-screened with a calibrated, portable OVA-FID. OVA Screening Results are presented in Table 1. Soil samples that yielded positive OVA-FID readings were collected for laboratory analysis. Soil samples were collected from soil borings B-1 (4-6'), B-4 (4-6'), B-8 (4-6'), B-10 (4-6'), B-11 (4-6'), B-12 (4-6'), and B-17 (4-6') and were submitted for laboratory analysis of the parameters listed in EPA Method 8260B for VOAs, EPA Method 8270C for PAHs, and FL-PRO Method for TRPH.

Soil samples collected from B-1 (4-6'), B-4 (4-6'), B-8 (4-6'), B-11 (4-6'), B-12 (4-6'), and B-17 (4-6') showed all VOAs, PAHs, and TRPHs to be below the laboratory detection limits in all soil samples submitted for laboratory analysis. Soil Analytical Results are presented on Figure 4 and summarized in Table 2. The laboratory data sheets with appropriate chain of custody records are included in Appendix B.

4.2 Results of Temporary Well Groundwater Laboratory Analyses

The groundwater laboratory analytical results showed PAH concentrations above the GCTLs established in Chapter 62-777, F.A.C., in TW-2, TW-3, TW-4, TW-7, and TW-8. All VOA concentrations in TW-1 through TW-10 were either below their respective GCTL or below the laboratory detection limits.

Acenaphthene was detected in the groundwater samples collected from temporary wells TW-1, TW-2, TW-3, TW-7, and TW-8 at concentrations that ranged from 0.000138 I mg/L to 0.00102 mg/L. All detected acenaphthene concentrations were below the GCTL of 0.020 mg/L.

Acenaphthylene was detected in the groundwater sample collected from TW-8 at a concentration of 0.000382 I mg/L, which is below the GCTL of 0.210 mg/L.

Anthracene was detected in the groundwater samples collected from TW-4, TW-7, and TW-8 at concentrations of 0.0000749 I mg/L, 0.0000654 I mg/L, and 0.000375 I mg/L, respectively. All detected anthracene concentrations were below the GCTL of 2.10 mg/L.

Benzo(a)anthracene was detected in the groundwater samples collected from temporary wells TW-2, TW-3, TW-4, TW-6, TW-7, TW-8, and TW-10 at concentrations that ranged from 0.0000327 I mg/L to 0.00112 mg/L. Benzo(a)anthracene concentrations exceeded the GCTL of 0.00005 mg/L in the samples collected from TW-4 (0.000139 mg/L), TW-7 (0.0000769 I mg/L), and TW-8 (0.00112 mg/L).

Benzo(a)pyrene was detected in the groundwater samples collected from temporary wells TW-2, TW-3, TW-4, TW-7, and TW-8 at concentrations that ranged from 0.0000341 I mg/L to 0.00112 mg/L. Benzo(a)pyrene concentrations exceeded the GCTL of 0.0002 mg/L in the sample collected from TW-8 (0.00112 mg/L).

Benzo(b)fluoranthene was detected in the groundwater samples collected from TW-2, TW-4, TW-7, and TW-8 at concentrations that ranged from 0.000503 I mg/L to 0.00176 mg/L. Benzo(b)fluoranthene concentrations exceeded the GCTL of 0.00005 mg/L in the samples collected from TW-2 (0.0000503 I mg/L), TW-4 (0.000249 mg/L), TW-7 (0.000104 mg/L), and TW-8 (0.00176 mg/L).

Benzo(g,h,i)perylene was detected in the groundwater samples collected from temporary wells TW-4, TW-7, and TW-8 at concentrations of 0.000187 mg/L, 0.0000857 I mg/L, and 0.000641, respectively. All detected benzo(g,h,i)perylene were below the GCTL of 0.210 mg/L.

Benzo(k)fluoranthene was detected in the groundwater samples collected from temporary wells TW-3, TW-4, TW-7, and TW-8 at concentrations that ranged from 0.0000393 I mg/L to 0.00103 mg/L. Benzo(k)fluoranthene concentrations exceeded the GCTL of 0.0005 mg/L in the sample collected from TW-8 (0.00103 mg/L).

Chrysene was detected in the groundwater samples collected from temporary wells TW-4, TW-7, and TW-8 at concentrations of 0.000193 mg/L, 0.0000617 mg/L, and 0.00172 mg/L, respectively. All detected chrysene concentrations were below the GCTL of 0.0048 mg/L.

Laboratory detection limits were above GCTLs for Dibenzo(a,h)anthracene of 0.000005 mg/L. The Practical Quantitation Limit of 0.0002 mg/L was used as an alternate GCTL in accordance with 62-770 F.A.C. Dibenzo(a,h)anthracene was detected in the groundwater samples collected from temporary wells TW-4 and TW-8 at concentrations of 0.0000373 I mg/L and 0.000207 mg/L, respectively. Dibenzo(a,h)anthracene concentrations exceeded the Alternate GCTL of 0.0002 mg/L in the sample collected from TW-8 (0.000207 mg/L).

Fluoranthene was detected in the groundwater samples collected from temporary wells TW-1, TW-2, TW-3, TW-4, TW-6, TW-7, TW-8, TW-10 at concentrations that ranged from 0.0000418 I mg/L to 0.00486 mg/L. All detected fluoranthene concentrations were below the GCTL of 0.280 mg/L.

Fluorene was detected in the groundwater samples collected from temporary wells TW-1, TW-2, TW-4, and TW-8 at concentrations that ranged from 0.0000383 I mg/L 0 to 0.00153 mg/L. All detected fluorene concentrations were below the GCTL of 0.280 mg/L.

Indeno(1,2,3-cd)pyrene was detected in the groundwater samples collected from temporary wells TW-4, TW-7, and TW-8 at concentrations of 0.000151 mg/L, 0.0000653 I mg/L, and 0.00067 mg/L, respectively. All detected indeno(1,2,3-cd)pyrene concentrations were above the GCTL of 0.00005 mg/L.

Naphthalene was detected in the groundwater samples collected from temporary wells TW-1 through TW-6 at concentrations that ranged from 0.00007 I mg/L to 0.0318 mg/L. Naphthalene concentrations exceeded the GCTL of 0.014 mg/L in the groundwater sample collected from TW-3 (0.0318 mg/L).

Phenanthrene was detected in the groundwater samples collected from temporary wells TW-2, TW-4, TW-7, TW-8, and TW-10 at concentrations that ranged from 0.0000390 I mg/L to 0.00221 mg/L. All detected phenanthrene concentrations were below the GCTL of 0.210 mg/L.

Pyrene was detected in the groundwater samples collected from temporary wells TW-1, TW-2, TW-3, TW-4, TW-7, TW-8, and TW-10 at concentrations that ranged from 0.0000499 I mg/L to 0.0036 mg/L. All detected pyrene concentrations were below the GCTL of 0.210 mg/L.

1-Methylnaphthalene was detected in the groundwater samples collected from temporary wells TW-1, TW-3, TW-4, TW-5, TW-6, and TW-8, at concentrations that ranged from 0.0000381 I mg/L to 0.0172 mg/L. All detected 1-methylnaphthalene concentrations were below the GCTL of 0.028 mg/L.

2-Methylnaphthalene was detected in the groundwater sample collected from temporary well TW-3 at a concentration of 0.000725 I mg/L, which is below the GCTL of 0.028 mg/L.

The results of the groundwater laboratory analyses for samples collected from temporary wells are summarized in Table 3. The approximate extent of dissolved chemicals of concern are shown in Figures 5 through 12. The laboratory data sheets with appropriate chain of custody records are included in Appendix C.

4.3 Monitor Well Groundwater Laboratory Analysis

Groundwater analytical results showed all concentrations of VOAs and PAHs to be below the laboratory detection limits or below the GCTLs in all groundwater samples submitted for laboratory analysis. Laboratory detection limits were above GCTLs for Benzo(a)anthracene, Benzo(b)Fluoranthane, Dibenzo(a,h)-anthracene, and Indeno(1,2,3-cd)pyrene. Practical Quantitation Limits of 0.0002 mg/L, 0.0001 mg/L, 0.0002 mg/L, and 0.0002 mg/L, respectively were used as alternate GCTLs in accordance with 62-770 F.A.C.

Ethylbenzene was detected in the groundwater sample collected from MW-1 at a concentration of 0.0061 mg/L, which is below the GCTL of 0.030 mg/L. Total Xylenes were detected in

groundwater samples collected from DMW-1 and DMW-2 at concentrations of 0.0021 I mg/L and 0.0011 I mg/L, respectively, which are below the GCTL of 0.020 mg/L.

MTBE was detected in the groundwater sample collected from MW-10 at a concentration of 0.0014 I mg/L, which is below the GCTL of 0.02 mg/L.

Acenaphthene was in the groundwater sample collected from monitor well MW-1 at a concentration of 0.00068 I, which is below the GCTL of 0.020 mg/L.

Fluorene was detected in the groundwater sample collected from MW-1, at a concentration of 0.00086 I mg/L, which is below the GCTL of 0.280 mg/L.

Naphthalene was detected in the groundwater samples collected from MW-1 and MW-2 at concentrations 0.010 mg/L and 0.0033 I mg/L, respectively, which are below the GCTL of 0.014 mg/L.

1-Methylnaphthalene was detected in the groundwater samples collected from MW-1 and MW-2 at concentrations of 0.010 mg/L and 0.014 mg/L, respectively, which are below the GCTL of 0.028 mg/L.

2-Methylnaphthalene was detected in the groundwater samples collected from monitor wells MW-1 and MW-2, at concentrations of 0.0050 I mg/L and 0.0011 I mg/L, respectively, which are below the GCTL of 0.028 mg/L.

TRPH was detected in the groundwater samples collected from MW-1 and MW-2 at concentrations of 0.420 mg/L and 1.30 I mg/L, which are below the GCTL of 5 mg/L.

Groundwater analytical results for samples collected from monitor wells are presented on Figures 13 through 15 and summarized in Table 5. The laboratory data sheets with appropriate chain of custody records are included in Appendix F.

4.4 Groundwater Flow Direction

DTW measurements were collected from monitor wells MW-1 through MW-9, DMW-1, DMW-2, and the existing MW-3 (installed by W.E.S.) on February 18, 2008. DTW measurements were collected again on April 18, 2008 after the installation of MW-10, MW-11, and DMW-3. Depth to water and total depth of each monitor well were recorded and are presented in Table 4.

Depth to water measurements were subtracted from the corresponding TOC elevations for each well to derive groundwater elevations from which to create a groundwater contour map. The groundwater flow direction is towards the southwest, which is consistent with historical groundwater flow data. Figures 16 and 17 illustrate the groundwater flow direction during the February and April 2008 events.

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the findings of the soil and groundwater sampling conducted during the SA, AEROSTAR presents the following:

- The groundwater flow direction on February 18 and April 18, 2008 was to the south-southwest.
- Soil laboratory analysis showed VOA, PAH, and TRPH concentrations were below the SCTLs in all the samples submitted for analysis.
- Benzo(a)anthracene and indeno(1,2,3-cd)pyrene concentrations exceeded the GCTLs of 0.00005 mg/L and 0.00005 mg/L in the groundwater samples collected from TW-4, TW-7, and TW-8.
- Benzo(a)pyrene and benzo(k)fluoranthene concentrations exceeded the GCTLs of 0.0002 mg/L and 0.0005 mg/L, respectively, in the sample collected from TW-8.
- Dibenzo(a,h)anthracene concentrations exceeded the alternate GCTL of 0.0002 mg/L in the sample collected from TW-8.
- Benzo(b)Fluoranthene concentrations exceeded the GCTL of 0.00005 mg/L in the groundwater samples collected from TW-2, TW-4, TW-7, and TW-8.
- Naphthalene concentrations exceeded the GCTL of 0.014 mg/L in the groundwater sample collected from TW-3.
- Groundwater laboratory analysis of TW-1 through TW-11 showed TRPH concentrations to be below the GCTLs in all samples submitted for analysis.
- Groundwater laboratory analysis of samples collected from MW-1 through MW-11, MW-3 (installed by W.E.S.), and DMW-1 through DMW-3 showed VOA, PAH, and TRPH concentrations were below the GCTLs in all the samples submitted for analysis.

Based on the results of the SA, AEROSTAR recommends conducting two quarters of groundwater monitoring at the site to observe the stability of current site conditions. Once sufficient groundwater analytical data has been collected, AEROSTAR will evaluate the most cost effective methods for any further remediation at the site.

TABLES

TABLE 1: OVA SOIL SCREENING SUMMARY

Facility Name: Building 782 - Former Poer House
 NAS Pensacola, FL
 Pensacola, Escambia County Florida

FBGS - Feet below ground surface
 NS - Not sampled
 NE - Not Encountered
 ppm - parts per million

BORING NO.	SAMPLE DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLs)	UNFILTERED OVA-PID (PPM)	FILTERED OVA-PID (PPM)	NET OVA-PID (PPM)	COMMENTS
B-1	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	0	0	0	
			8-10'	0	0	0	
			10-12'	0	0	0	
			12-14'	20	10	10	
B-2	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	0	0	0	
			8-10'	0	0	0	
			10-12'	15	0	15	
			12-14'	15	0	15	
B-3	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	0	0	0	
			8-10'	0	0	0	
			10-12'	0	0	0	
			12-14'	0	0	0	
B-4	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	0	0	0	
			8-10'	0	0	0	
			10-12'	0	0	0	
			12-14'	0	0	0	
B-5	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	10	0	10	
			8-10'	20	0	20	
			10-12'	40	0	40	
			12-14'	45	0	45	
B-6	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	0	0	0	
			8-10'	0	0	0	
			10-12'	0	0	0	
			12-14'	0	0	0	
B-7	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	10	0	10	
			4-6'	15	0	15	
		6.5'-7.0'	6-8'	20	0	20	
			8-10'	25	0	25	
			10-12'	25	0	25	
			12-14'	30	0	30	
B-8	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	10	0	10	
			4-6'	10	0	10	
		6.5'-7.0'	6-8'	15	0	15	
			8-10'	25	0	25	
			10-12'	30	0	30	
			12-14'	65	0	65	
B-9	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	0	0	0	
			8-10'	0	0	0	
			10-12'	0	0	0	
			12-14'	0	0	0	
B-10	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	5	0	5	
			4-6'	5	0	5	
		6.5'-7.0'	6-8'	10	0	10	
			8-10'	5	0	5	
			10-12'	15	0	15	
			12-14'	15	0	15	
B-11	12/18/2007		0-2'	0	0	0	see boring logs for lithology
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	0	0	0	
			8-10'	0	0	0	
			10-12'	0	0	0	
			12-14'	0	0	0	

TABLE 1: OVA SOIL SCREENING SUMMARY

Facility Name: Building 782 - Former Power House
 NAS Pensacola, FL
 Pensacola, Escambia County Florida

FBGS - Feet below ground surface
 NS - Not sampled
 NE - Not Encountered
 ppm - parts per million

SAMPLE							
BORING NO.	DATE COLLECTED	DEPTH TO WATER	SAMPLE INTERVAL (FBLS)	UNFILTERED OVA-PID (PPM)	FILTERED OVA-PID (PPM)	NET OVA-PID (PPM)	COMMENTS
B-12	2/11/2008		0-2'	0	0	0	see boring logs for lithology
			2-4'	5	0	5	
			4-6'	5	0	5	
		6.5'-7.0'	6-8'	15	0	15	
			8-10'	35	0	35	
			10-12'	45	0	45	
B-13	2/11/2008		12-14'	60	0	60	see boring logs for lithology
			0-2'	0	0	0	
			2-4'	5	0	5	
			4-6'	5	0	5	
		6.5'-7.0'	6-8'	15	0	15	
			8-10'	15	0	15	
			10-12'	35	0	35	
			12-14'	65	0	65	
			14-16'	65	0	65	
			16-18'	70	0	70	
			18-20'	70	0	70	
			20-22'	60	0	60	
B-14	2/11/2008		22-24'	20	0	20	see boring logs for lithology
			24-26'	10	0	10	
			26-28'	10	0	10	
			28-30'	0	0	0	
			0-2'	0	0	0	
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	0	0	0	
			8-10'	0	0	0	
			10-12'	0	0	0	
			12-14'	0	0	0	
			14-16'	35	0	35	
B-15	3/26/2008		16-18'	35	0	35	see boring logs for lithology
			18-20'	75	0	75	
			20-22'	100	0	100	
			22-24'	80	0	80	
			24-26'	20	0	20	
			26-28'	0	0	0	
B-16	3/26/2008		28-30'	0	0	0	see boring logs for lithology
			0-2'	0	0	0	
			2-4'	15	0	15	
			4-6'	15	0	15	
		6.5'-7.0'	6-8'	15	0	15	
			8-10'	10	0	10	
B-17	3/26/2008		10-12'	10	0	10	see boring logs for lithology
			12-14'	15	0	15	
			0-2'	0	0	0	
			2-4'	0	0	0	
			4-6'	0	0	0	
		6.5'-7.0'	6-8'	0	0	0	
			8-10'	0	0	0	
			10-12'	0	0	0	
			12-14'	0	0	0	
			14-16'	0	0	0	
			16-18'	0	0	0	
			18-20'	0	0	0	
	20-22'	0	0	0			
	22-24'	0	0	0			
	24-26'	0	0	0			
	26-28'	0	0	0			
	28-30'	0	0	0			

**TABLE 2
SOIL BORING ANALYTICAL SUMMARY**

Facility Name: Building 782 -Former Power House
NAS Pensacola, FL
Pensacola, Escambia County, Florida

Sample ID				B-1 (4-6')	B-4 (4-6')	B-8 (4-6')	B-10 (4-6')	B-11 (4-6')	B-12 (4-6')	B-17 (4-6')
	Units	FDEP Direct Exposure (Residential)	FDEP Leachability Based on Groundwater	12/18/2007	12/18/2007	12/18/2007	12/18/2007	12/21/2007	3/26/2008	3/26/2008
LABORATORY ANALYSES										
Volatile Organic Aromatics (Method 8260B)										
Total BTEX	mg/Kg	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Benzene	mg/Kg	1.2	0.007	<0.00035	<0.00041	<0.00034	<0.00033	<0.00085	<0.00032	<0.00031
Toluene	mg/Kg	7500	0.500	<0.00046	<0.00054	<0.00044	<0.00044	<0.00028	<0.00072	<0.00071
Ethylbenzene	mg/Kg	1500	0.600	<0.00058	<0.00068	<0.00056	<0.00055	<0.00028	<0.00057	<0.00056
Total Xylenes	mg/Kg	130	0.200	<0.00031	<0.00037	<0.0003	<0.0003	<0.00028	<0.00022	<0.00022
Methyl T-Butyl Ether	mg/Kg	4400	0.090	<0.00054	<0.00063	<0.00052	<0.00051	<0.00028	<0.00011	<0.00010
Polynuclear Aromatic Hydrocarbons (Method 8270C)										
Total PAHs	mg/Kg	NA	NA	BDL	BDL	BDL	BDL	BDL	BDL	BDL
Acenaphthene	mg/Kg	2,400	2.10	<0.024	<0.024	<0.027	<0.028	<0.056	<0.055	<0.052
Acenaphthylene	mg/Kg	1,800	27.0	<0.032	<0.033	<0.037	<0.037	<0.056	<0.055	<0.052
Anthracene	mg/Kg	21,000	2,500	<0.038	<0.039	<0.043	<0.044	<0.056	<0.055	<0.052
Benzo(a)anthracene	mg/Kg	*	0.800	<0.030	<0.030	<0.034	<0.034	<0.056	<0.055	<0.052
Benzo(a)pyrene	mg/Kg	0.100	8.00	<0.027	<0.028	<0.031	<0.032	<0.056	<0.055	<0.052
Benzo(b)fluoranthene	mg/Kg	*	2.40	<0.021	<0.022	<0.024	<0.024	<0.056	<0.055	<0.052
Benzo(g,h,i)perylene	mg/Kg	2,500	32,000	<0.029	<0.029	<0.033	<0.033	<0.056	<0.055	<0.052
Benzo(k)fluoranthene	mg/Kg	*	24.0	<0.035	<0.036	<0.040	<0.040	<0.056	<0.055	<0.052
Chrysene	mg/Kg	*	77.0	<0.025	<0.025	<0.028	<0.028	<0.056	<0.055	<0.052
Dibenzo(a,h)anthracene	mg/Kg	*	0.700	<0.029	<0.030	<0.034	<0.034	<0.056	<0.055	<0.052
Fluoranthene	mg/Kg	3,200	1,200	<0.041	<0.041	<0.046	<0.047	<0.056	<0.055	<0.052
Fluorene	mg/Kg	2,600	160	<0.024	<0.025	<0.028	<0.028	<0.056	<0.055	<0.052
Indeno(1,2,3-cd)pyrene	mg/Kg	*	6.60	<0.043	<0.044	<0.049	<0.049	<0.056	<0.055	<0.052
Naphthalene	mg/Kg	55.0	1.20	<0.023	<0.023	<0.026	<0.026	<0.056	<0.055	<0.052
Phenanthrene	mg/Kg	2,200	250	<0.035	<0.035	<0.040	<0.040	<0.056	<0.055	<0.052
Pyrene	mg/Kg	2,400	880	<0.036	<0.036	<0.041	<0.041	<0.056	<0.055	<0.052
1-Methylnaphthalene	mg/Kg	200	3.10	<0.029	<0.029	<0.033	<0.033	<0.056	<0.055	<0.052
2-Methylnaphthalene	mg/Kg	210	8.50	<0.030	<0.030	<0.034	<0.034	<0.056	<0.055	<0.052
Petroleum Range Organic Ranges (Method FL-PRO)										
FL PRO	mg/Kg	460	340	<3.10	<3.20	<3.60	<3.60	NA	<8.80	250

Notes:

All results in milligrams per liter (mg/kg)
NA = Not Analyzed / Applicable
FDEP = Florida Department of Environmental Protection
FP= Free Product
Bold=Value in bold identifies a result exceeding an FDEP SCTL

Data Qualifiers:

<=The analyte was below detection limits
I = The reportable value is between the laboratory method detection limit and the laboratory practical quantitation limit

**TABLE 3
TEMPORARY WELL GROUNDWATER ANALYTICAL SUMMARY**

**Site 782 - Former Power House
NAS Pensacola, Florida
Pensacola, Escambia County, Florida**

Sample ID			TW-1	TW-2	TW-3	TW-4	TW-5	TW-6	TW-7	TW-8	TW-9	TW-10	TW-11
Date Well Sampled			12/18/2007	12/18/2007	12/18/2007	12/18/2007	12/18/2007	12/18/2007	12/18/2007	12/18/2007	12/18/2007	12/18/2007	12/21/2007
LABORATORY ANALYSES	Units	FDEP GCTL											
Volatile Organic Aromatics (Method 8260B)													
Total BTEX	mg/L	NA	0.00197	BDL	0.00402	BDL	BDL	BDL	BDL	BDL	0.0022	BDL	BDL
Benzene	mg/L	0.001	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.0004
Toluene	mg/L	0.040	0.00034	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	<0.00028	0.001
Ethylbenzene	mg/L	0.030	0.00163	<0.00031	0.00402	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	<0.00031	0.00109	<0.00031
Total Xylenes	mg/L	0.020	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	<0.0012	0.00107	<0.0012	0.001
Methyl T-Butyl Ether	mg/L	0.020	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	<0.00012	0.001
Polynuclear Aromatic Hydrocarbons (Method 8270c)													
Total PAHs	mg/L	NA	0.0121	0.0012	0.0503	0.0022	0.0001	0.0002	0.0011	0.0205	BDL	0.0002	BDL
Acenaphthene	mg/L	0.020	0.00102	0.000574	0.000178	<0.000030	<0.000030	<0.000030	0.000138	0.000251	<0.000030	<0.000030	<0.00019
Acenaphthylene	mg/L	0.210	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	<0.000035	0.000382	<0.000035	<0.000035	<0.00019
Anthracene	mg/L	2.10	<0.000032	<0.000032	<0.000032	0.0000749	<0.000032	<0.000032	0.0000654	0.000375	<0.000032	<0.000032	<0.00019
Benzo(a)anthracene	mg/L	0.00005	<0.000029	0.0000419	0.0000475	0.000139	<0.000029	0.0000334	0.0000769 	0.00112	<0.000029	0.0000327	<0.00019
Benzo(a)pyrene	mg/L	0.0002	<0.000031	0.0000341	0.0000516	0.000186	<0.000031	<0.000031	0.0000716	0.00112	<0.000031	<0.000031	<0.00019
Benzo(b)fluoranthene	mg/L	0.00005	<0.000045	0.0000503 	<0.000045	0.000249	<0.000045	<0.000045	0.000104	0.00176	<0.000045	<0.000045	<0.00019
Benzo(g,h,i)perylene	mg/L	0.210	<0.000048	<0.000048	<0.000048	0.000187	<0.000048	<0.000048	0.0000857	0.000641	<0.000048	<0.000048	<0.00019
Benzo(k)fluoranthene	mg/L	0.0005	<0.000031	<0.000031	0.000066	0.000129	<0.000031	<0.000031	0.0000393	0.00103	<0.000031	<0.000031	<0.00019
Chrysene	mg/L	0.0048	<0.00005	<0.00005	<0.00005	0.000193	<0.00005	<0.00005	0.0000617	0.00172	<0.00005	<0.00005	<0.00019
Dibenzo(a,h)anthracene	mg/L	0.0002 *	<0.000034	<0.000034	<0.000034	0.0000373	<0.000034	<0.000034	<0.000034	0.000207	<0.000034	<0.000034	<0.00019
Fluoranthene	mg/L	0.280	0.0000953	0.000128	0.0000861	0.000234	<0.000041	0.0000418	0.000129	0.00486	<0.000041	0.0000501	<0.00019
Fluorene	mg/L	0.280	0.00153	0.0000935	<0.000037	0.0000383	<0.000037	<0.000037	<0.000037	0.000489	<0.000037	<0.000037	<0.00019
Indeno(1,2,3-cd)pyrene	mg/L	0.00005	<0.000039	<0.000039	<0.000039	0.000151	<0.000039	<0.000039	0.0000653 	0.00067	<0.000039	<0.000039	<0.00019
Naphthalene	mg/L	0.014	0.00166	0.00007	0.0318	0.000157	0.0000749	0.000082	<0.000070	<0.000070	<0.000070	<0.000070	<0.00049
Phenanthrene	mg/L	0.210	<0.000033	0.0000834	<0.000033	0.0000605	<0.000033	<0.000033	0.0000852	0.00221	<0.000033	0.0000390	<0.00019
Pyrene	mg/L	0.210	0.000198	0.0000963	0.000103	0.000288	<0.000039	<0.000039	0.00015	0.0036	<0.000039	0.0000499	<0.00049
1-Methylnaphthalene	mg/L	0.028	0.00763	<0.000032	0.0172	0.0000854	0.0000381	0.0000404	<0.000032	0.0000545	<0.000032	<0.000032	<0.00097
2-Methylnaphthalene	mg/L	0.028	<0.000098	<0.000098	0.000725	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.000098	<0.00019
Petroleum Range Organic Ranges (Method FL-PRO)													
FL PRO	mg/L	5.00	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA

Notes:

NA = Not Analyzed / Applicable
 FDEP = Florida Department of Environmental Protection
 * Target PQL used as Alternate GCTL
Bold = Value in bold identifies a result exceeding an FDEP GCTL

Data Qualifiers:

| = The reportable value is between the laboratory method detection limit and the laboratory practical quantitation limit
 < = The analyte was below detection limits

**TABLE 4
GROUNDWATER ELEVATION TABLE**

Site 782 - Former Power House
NAS Pensacola, Florida
Pensacola, Florida

WELL DESIGNATION	MW-1			MW-2			MW-3			MW-4			MW-5		
DIAMETER	2	in.													
WELL DEPTH	14.00	feet		14.15	feet		13.80	feet		13.94	feet		14.15	feet	
SCREEN INTERVAL	4.00-14.00	feet		4.14-14.15	feet		3.80-13.80	feet		3.94-13.94	feet		4.15-14.15	feet	
TOC ELEVATION	11.90	feet		13.00	feet		12.99	feet		13.08	feet		11.65	feet	
DATE	ELEV*	DTW	LNAPL												
02/18/08	5.63	6.27	0.00	5.54	7.46	0.00	5.52	7.47	0.00	5.59	7.49	0.00	5.65	6.00	0.00
04/18/08	5.33	6.57	0.00	5.85	7.15	0.00	5.24	7.75	0.00	5.32	7.76	0.00	5.50	6.15	0.00

WELL DESIGNATION	MW-6			MW-7			MW-8			MW-9			MW-10		
DIAMETER	2	in.													
WELL DEPTH	13.51	feet		14.10	feet		13.72	feet		14.45	feet		14.96	feet	
SCREEN INTERVAL	3.51-13.51	feet		4.10-14.10	feet		3.72-13.72	feet		4.45-14.45	feet		4.96-14.96	feet	
TOC ELEVATION	11.33	feet		11.25	feet		11.50	feet		10.83	feet		11.63	feet	
DATE	ELEV*	DTW	LNAPL												
02/18/08	5.78	5.55	0.00	6.40	4.85	0.00	6.40	5.10	0.00	5.91	4.92	0.00	--	NI	0.00
04/18/08	5.55	5.78	0.00	6.15	5.10	0.00	6.09	5.41	0.00	5.68	5.15	0.00	5.45	6.18	0.00

Notes:

DTW = Depth-to-Water, measurements are in feet

LNAPL = Light Non-Aqueous Phase Liquid

DTW and LNAPL measurements are in feet

NI = Not Installed

*For wells with free product (diesel) the following calculation was used: Adjusted Water Table Elevation = TOC - (DTW - (0.8448)(Free Product Thickness))

**TABLE 4
GROUNDWATER ELEVATION TABLE**

Site 782 - Former Power House
NAS Pensacola, Florida
Pensacola, Florida

WELL DESIGNATION	MW-11			Existing MW-3 (W.E.S.)			DMW-1			DMW-2			DMW-3		
DIAMETER	2		in.	2		in.	2		in.	2		in.	2		in.
WELL DEPTH	14.82		feet	14.25		feet	29.70		feet	29.11		feet	31.16		feet
SCREEN INTERVAL	4.82-14.82		feet	4.25-14.25		feet	24.70-29.70		feet	24.11-29.11		feet	26.16-31.16		feet
TOC ELEVATION*	12.13		feet	12.83		feet	13.04		feet	11.30		feet	11.83		feet
DATE	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL
02/18/08	--	NI	0.00	5.72	7.11	0.00	5.53	7.51	0.00	5.80	5.50	0.00	--	NI	0.00
04/18/08	5.78	6.35	0.00	5.42	7.41	0.00	5.33	7.71	0.00	6.04	5.26	0.00	5.18	6.65	0.00

Notes:

DTW = Depth-to-Water, measurements are in feet

LNAPL = Light Non-Aqueous Phase Liquid

DTW and LNAPL measurements are in feet

NI = Not Installed

*For wells with free product (diesel) the following calculation was used: Adjusted Water Table Elevation = TOC - (DTW - (0.8448)(Free Product Thickness))

**TABLE 5
MONITOR WELL GROUNDWATER ANALYTICAL SUMMARY**

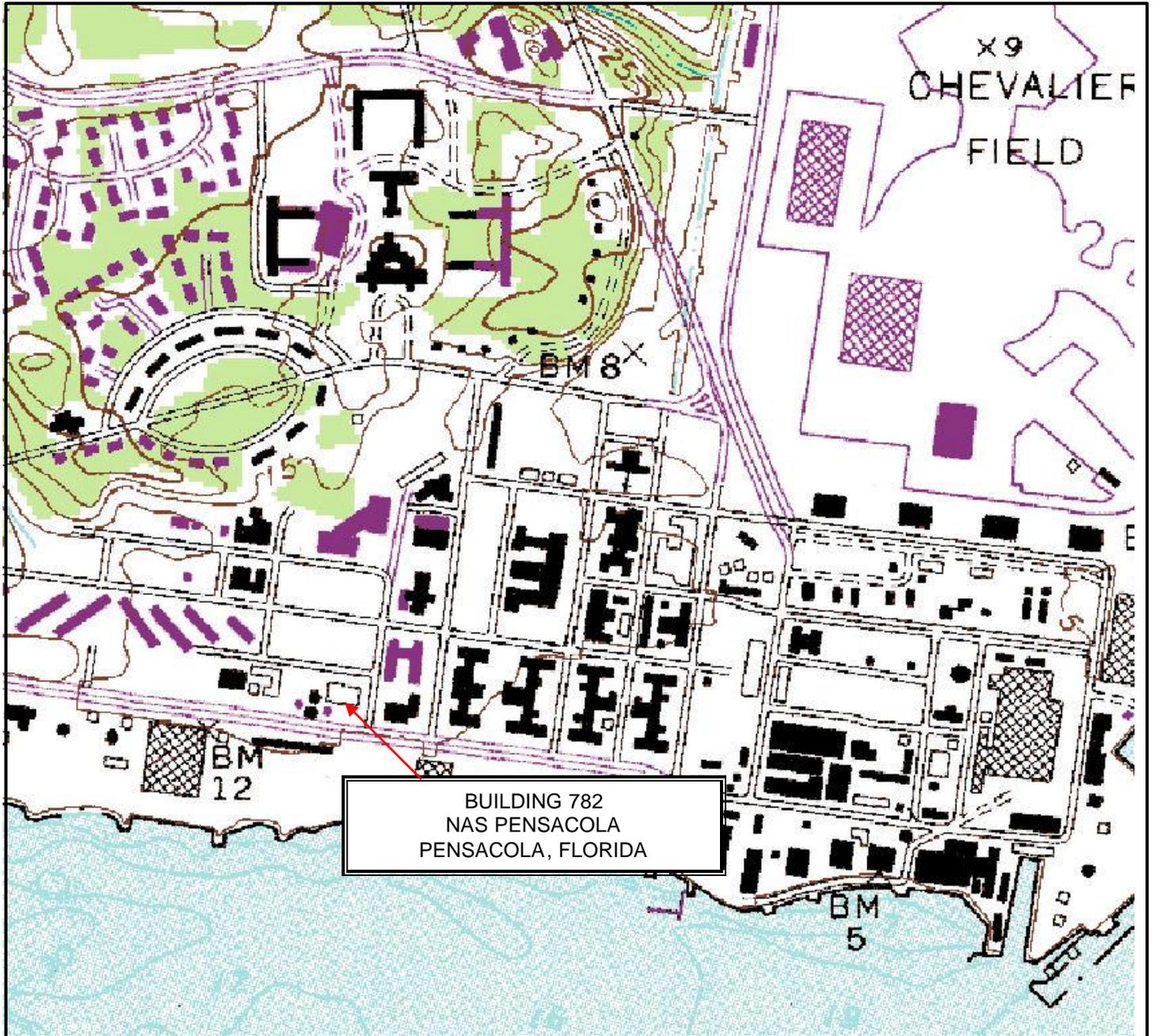
Site 782 - Former Power House
NAS Pensacola, Florida
Pensacola, Escambia County, Florida

Sample ID			MW-1	MW-2	MW-3	MW-4	MW-5	MW-6	MW-7	MW-8	MW-9	Existing Well MW-3	DMW-1	DMW-2	MW-10	MW-11	DMW-3	DUPLICATE (MW-1)	
FIELD DATA																			
Date Well Sampled			2/18/2008	2/18/2008	2/18/2008	2/18/2008	2/18/2008	2/18/2008	2/18/2008	2/18/2008	2/18/2008	2/18/2008	2/18/2008	2/18/2008	4/18/2008	4/18/2008	4/18/2008	2/18/2008	
Depth-to-Water (ft, BTOC)			6.31	7.5	7.51	7.51	6.02	5.57	4.87	5.12	4.95	7.15	8.49	5.32	6.18	6.35	6.65		
Depth-to-Product (ft, BTOC)			--	--	--	--	--	--	--	--	--	--	--	--	--	--	--		
Temperature (°C)			20.3	20.4	19.0	20.3	19.4	19.0	19.9	20.0	18.5	19.7	22.9	23.1	21.1	21.4	19.7		NA
Conductivity (µS/cm)			365	449	652	431	510	564	375	345	380	444	695	178	158	188	175.00		NA
pH			6.81	6.81	8.15	7.14	6.02	7.60	7.49	6.80	6.73	6.82	9.53	8.13	7.46	6.90	7.31		NA
Turbidity (NTU)			2.6	2.68	3.31	7.37	8.75	7.73	2.00	6.87	4.55	5.40	1.75	2.20	2.10	3.55	2.00		NA
Dissolved Oxygen (ppm)			5.7	1.41	7.80	10.5	6.70	13.8	1.10	17.1	14.6	6.40	0.400	1.10	1.37	1.07	0.980		NA
LABORATORY ANALYSES																			
	Units	FDEP GCTL																	
Volatile Organic Aromatics (Method 8260B)																			
Total BTEX	mg/L	NA	0.0061	BDL	0.0021	0.001	BDL	BDL	BDL	0.0042									
Benzene	mg/L	0.001	<0.00080	<0.00080	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00040	<0.00080	<0.00040	<0.00040	<0.00040	<0.00040	<0.00080	
Toluene	mg/L	0.040	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020
Ethylbenzene	mg/L	0.030	0.0061	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0022 I
Total Xylenes	mg/L	0.020	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	0.0021 I	0.0011 I	<0.0010	<0.0010	<0.0010	0.0020 I	
Methyl T-Butyl Ether	mg/L	0.020	<0.0020	<0.0020	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0010	<0.0020	<0.0010	0.0014 I	<0.0010	<0.0010	<0.0020	
Polynuclear Aromatic Hydrocarbons (Method 8270C)																			
Total PAHs	mg/L	NA	0.027	0.018	BDL	BDL	BDL	BDL	BDL	BDL	0.0191								
Acenaphthene	mg/L	0.020	0.00068 I	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00052 I
Acenaphthylene	mg/L	0.210	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Anthracene	mg/L	2.10	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Benzo(a)anthracene	mg/L	0.0002 *	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Benzo(a)pyrene	mg/L	0.0002	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Benzo(b)fluoranthene	mg/L	0.0001 *	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Benzo(g,h,i)perylene	mg/L	0.210	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Benzo(k)fluoranthene	mg/L	0.0005	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Chrysene	mg/L	0.0048	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Dibenzo(a,h)anthracene	mg/L	0.0002 *	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Fluoranthene	mg/L	0.280	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Fluorene	mg/L	0.280	0.00086 I	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.00063
Indeno(1,2,3-cd)pyrene	mg/L	0.0002 *	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Naphthalene	mg/L	0.014	0.010	0.0033 I	<0.00046	<0.00048	<0.00049	<0.00046	<0.00046	<0.00046	<0.00046	<0.00049	<0.00046	<0.00046	<0.00048	<0.00047	<0.00049	<0.00049	0.0036 I
Phenanthrene	mg/L	0.210	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00020
Pyrene	mg/L	0.210	<0.00049	<0.00047	<0.00046	<0.00048	<0.00049	<0.00049	<0.00046	<0.00046	<0.00046	<0.00048	<0.00049	<0.00046	<0.00046	<0.00048	<0.00047	<0.00049	<0.00049
1-Methylnaphthalene	mg/L	0.028	0.010	0.014	<0.00093	<0.00095	<0.00097	<0.00098	<0.00093	<0.00093	<0.00095	<0.00098	<0.00093	<0.00093	<0.00095	<0.00094	<0.00097	0.013	
2-Methylnaphthalene	mg/L	0.028	0.0050 I	0.0011 I	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00020	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	<0.00019	0.0013
Petroleum Range Organic Ranges (Method FL-PRO)																			
FL PRO	mg/L	5.00	0.42	1.30 I	<0.022	<0.024	<0.018	<0.019	<0.018	<0.018	<0.023	<0.021	<0.017	<0.015	<0.014	<0.015	<0.012	0.200	

Notes:
NA = Not Analyzed / Applicable
FDEP = Florida Department of Environmental Protection
* Target PQL used as Alternate GCTL
Bold = Value in bold identifies a result exceeding an FDEP GCTL

Data Qualifiers:
I = The reportable value is between the laboratory method detection limit and the laboratory practical quantitation limit
< = The analyte was below detection limits

FIGURES



PENSACOLA, FLORIDA
QUADRANGLE

7.5 MINUTE SERIES
(TOPOGRAPHIC)

CONTOUR INTERVAL 10 FEET

ISSUED 1978

FIGURE 1 - TOPOGRAPHIC SITE LOCATION MAP



BUILDING 782 – FORMER POWER HOUSE
NAS PENSACOLA
PENSACOLA, ESCAMBIA COUNTY,
FLORIDA

DRAWN BY: CM

REFERENCE: 1978
TOPOGRAPHIC MAP OF
PENSACOLA, FLORIDA
PROVIDED BY: USGS

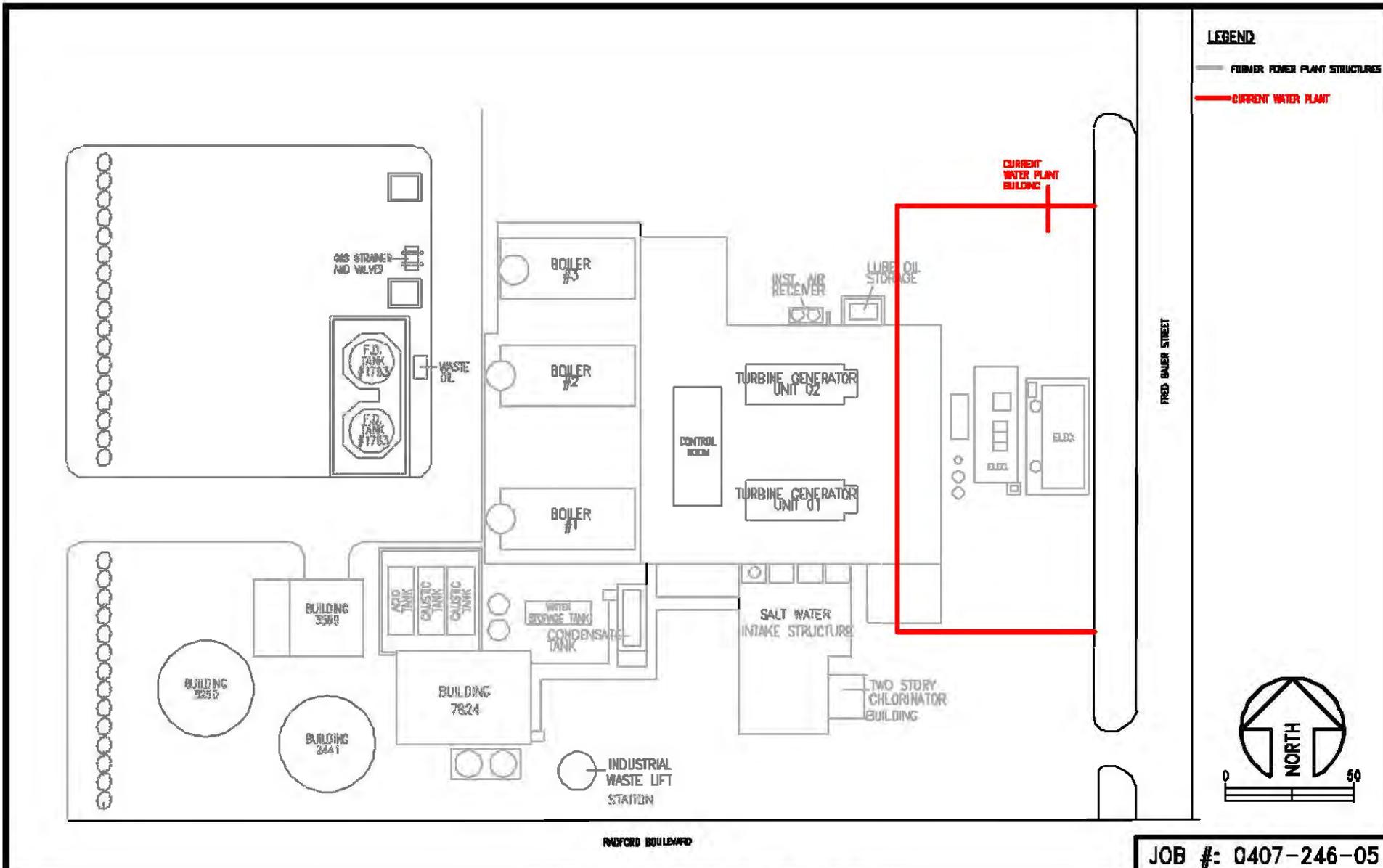


FIGURE 2 - SITE MAP

**BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA**

**SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN**



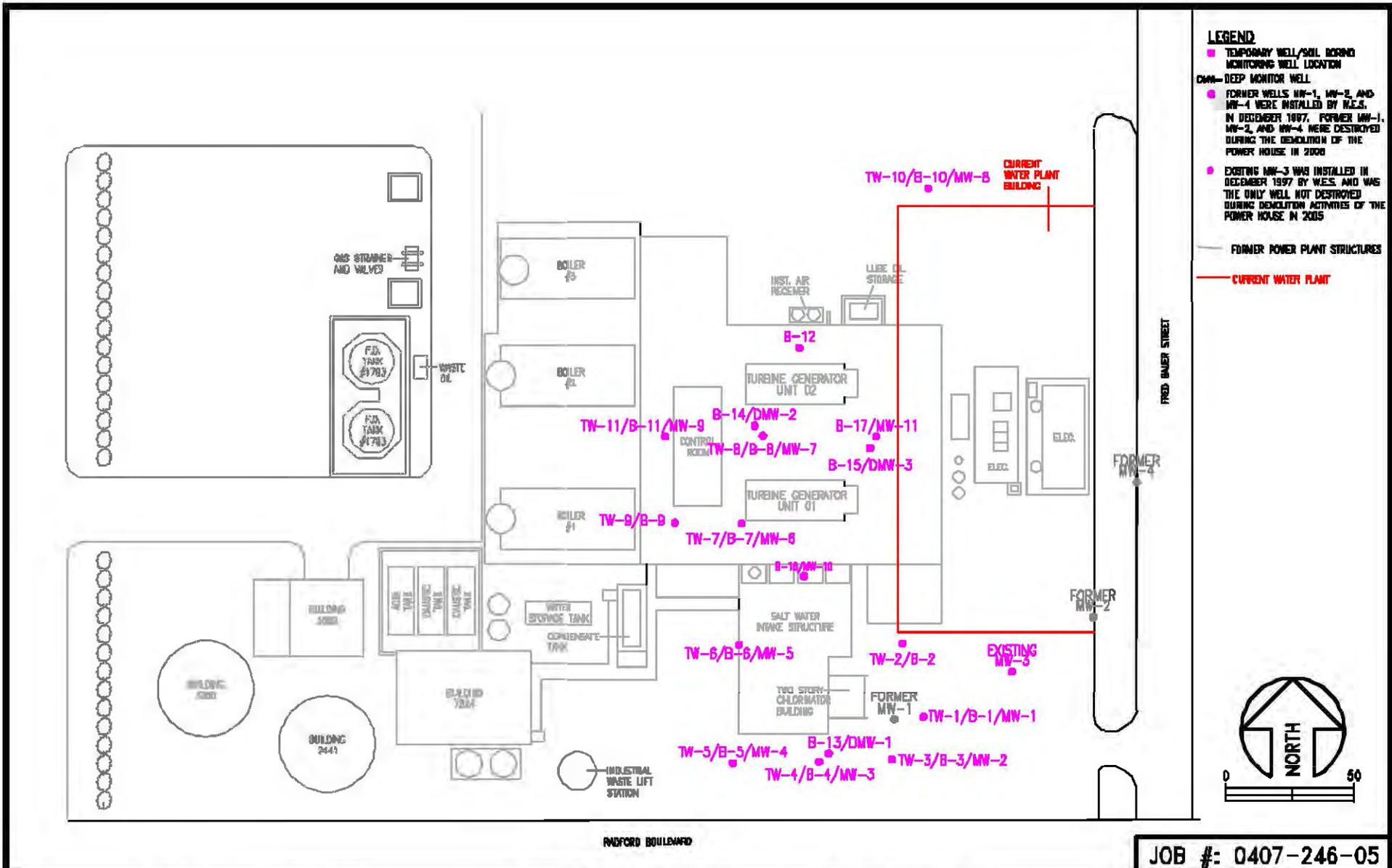
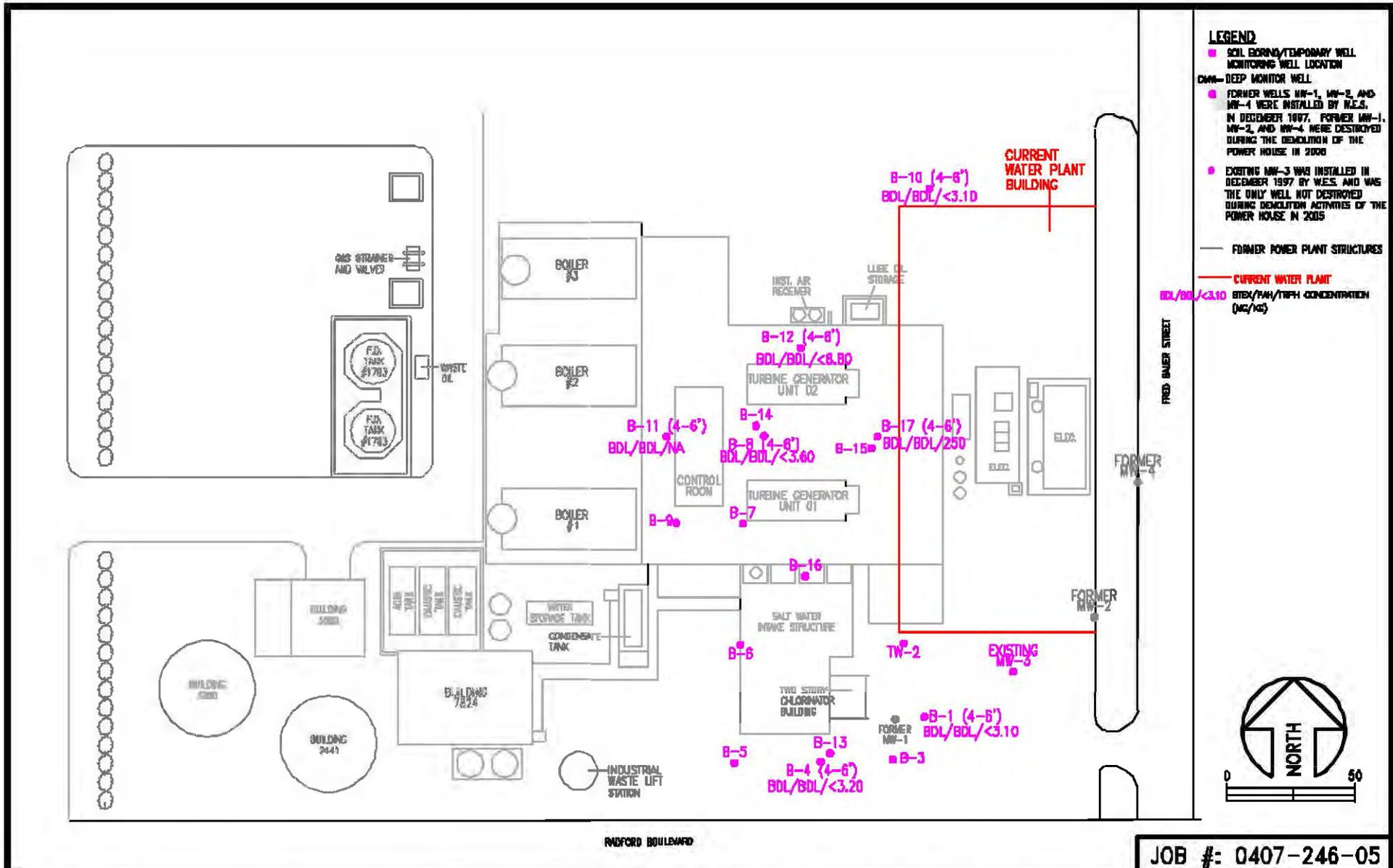


FIGURE 3 - SOIL BORING, TEMPORARY WELL, AND MONITOR WELL LOCATION MAP

BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN





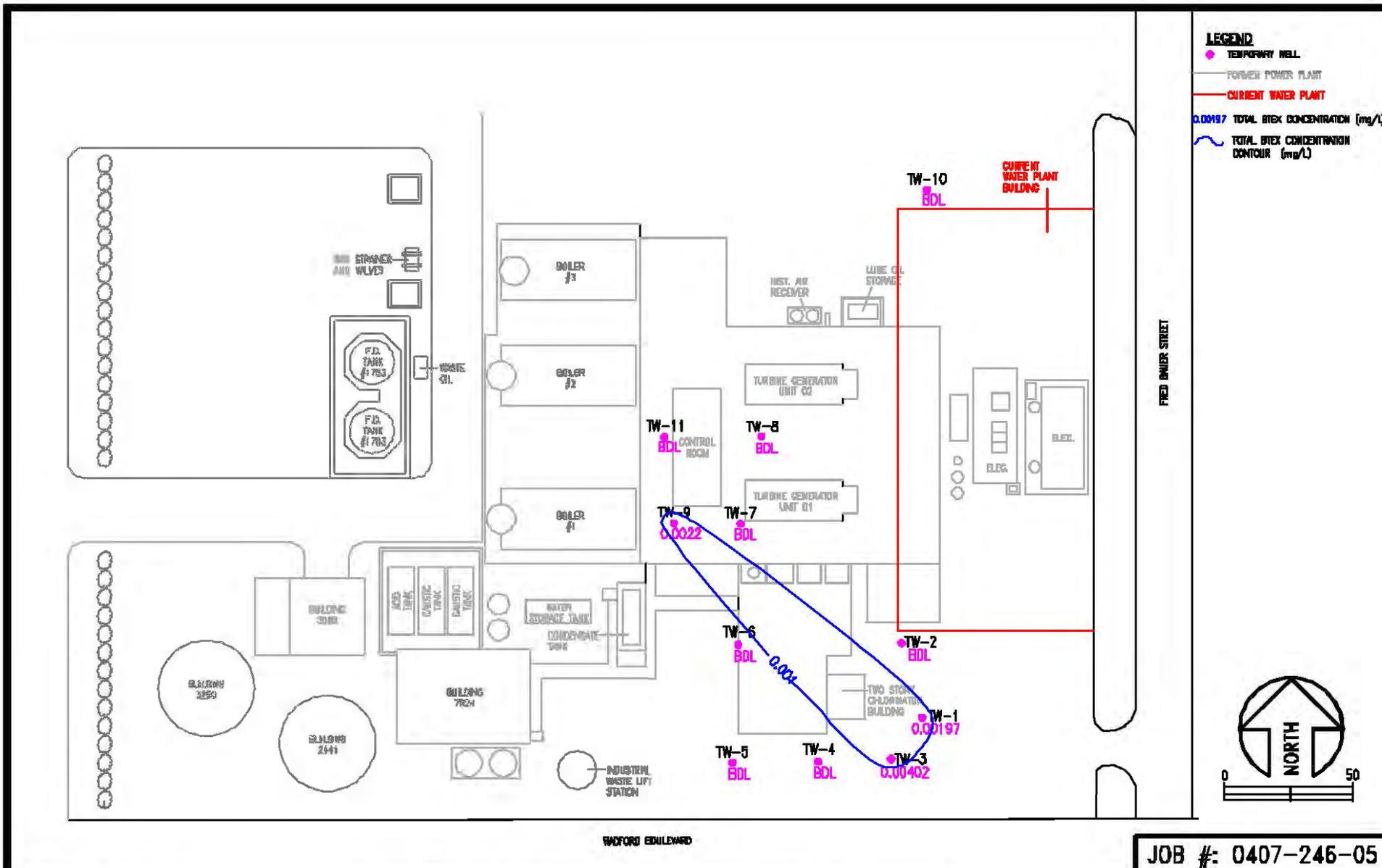
JOB #: 0407-246-05

FIGURE 4 - TOTAL BTEX, TOTAL PAH, AND TRPH CONCENTRATION IN SOIL MAP (DECEMBER 18-21, 2007)



BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN



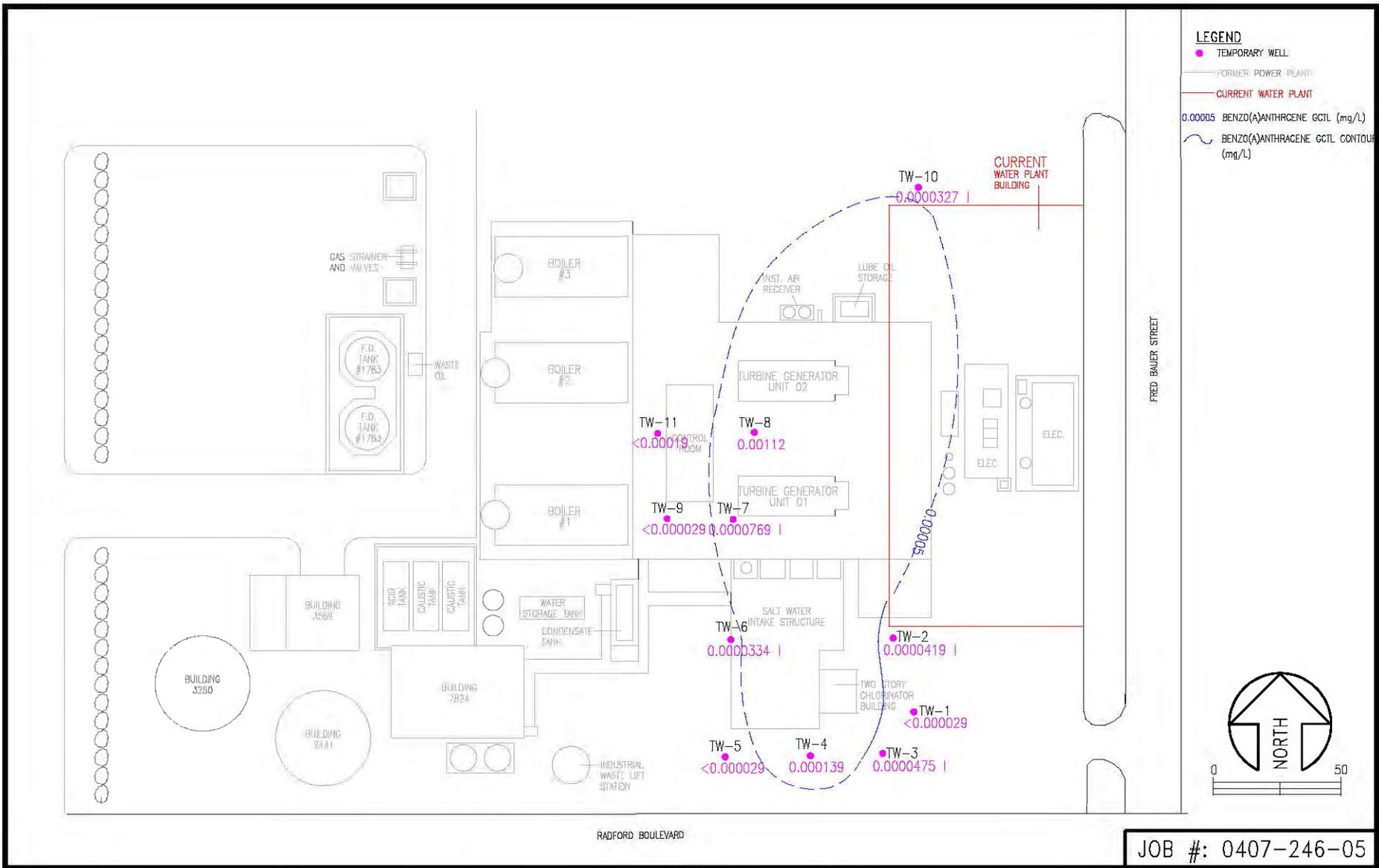
JOB #: 0407-246-05

FIGURE 5 - TOTAL BTEX CONCENTRATIONS IN GROUNDWATER MAP (DECEMBER 18-21, 2007)



BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN



JOB #: 0407-246-05

FIGURE 6 – BENZO(A)ANTHRACENE CONCENTRATIONS IN GROUNDWATER MAP (DECEMBER 18-21, 2007)

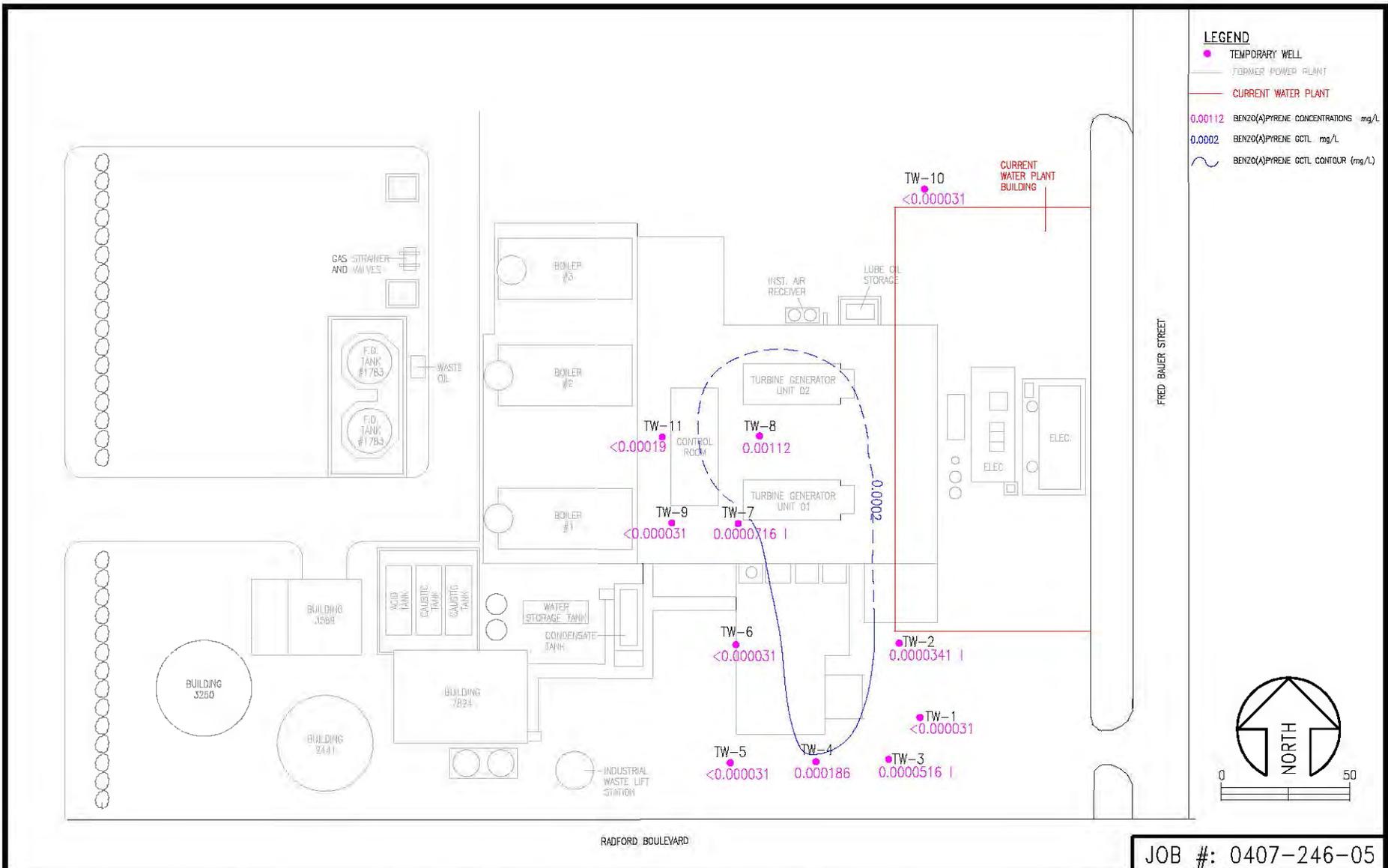


BUILDING 782 – FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA

SCALE: 1" = 50'

DATE: MAY 2008

DRAWN BY: WIEN



JOB #: 0407-246-05

FIGURE 7 – BENZO(A)PYRENE CONCENTRATIONS IN GROUNDWATER MAP (DECEMBER 18-21, 2007)



BUILDING 782 – FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN

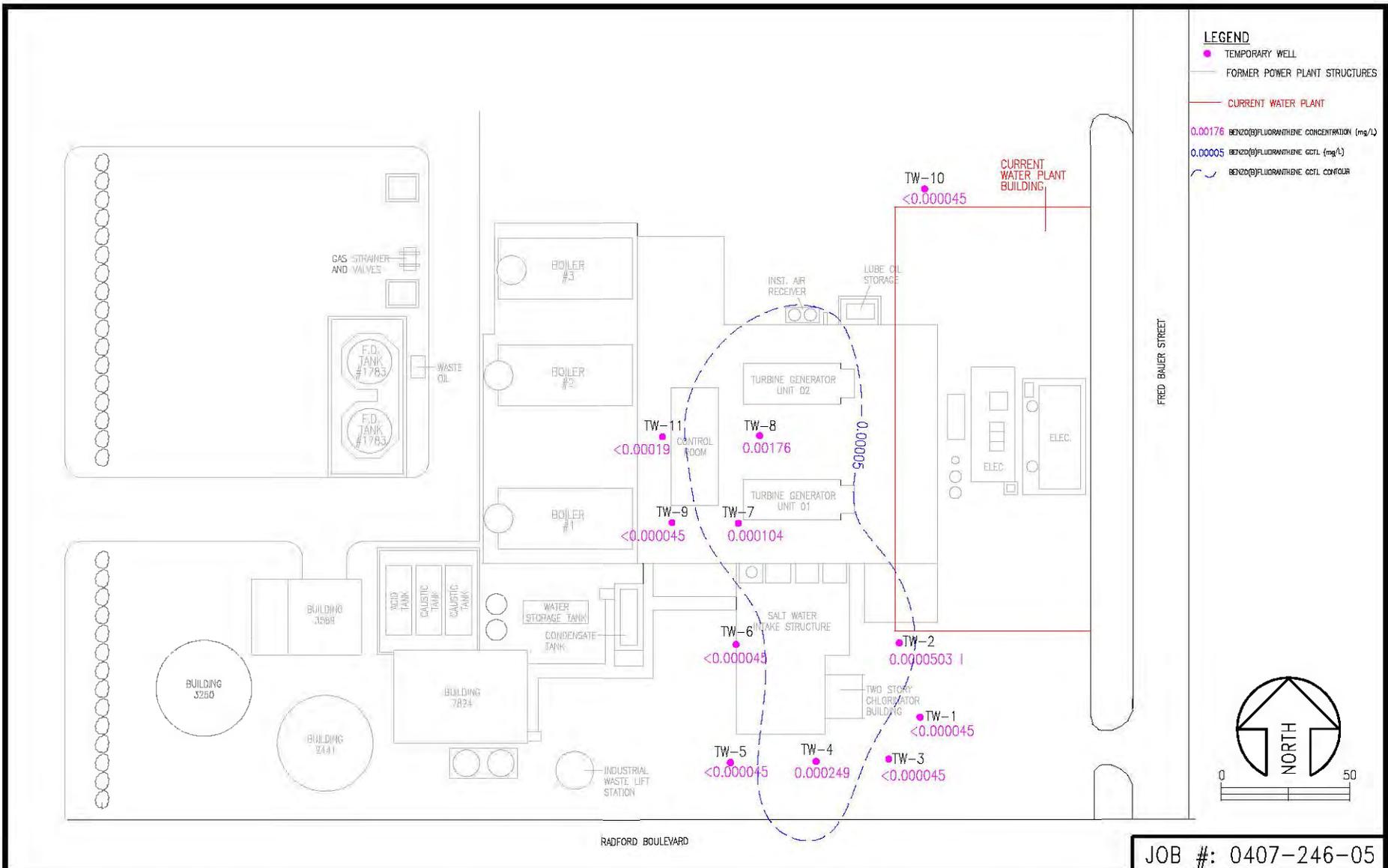


FIGURE 8 – BENZO(B)FLUORANTHENE CONCENTRATIONS IN GROUNDWATER MAP (DECEMBER 18–21, 2007)

JOB #: 0407-246-05



BUILDING 782 – FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN

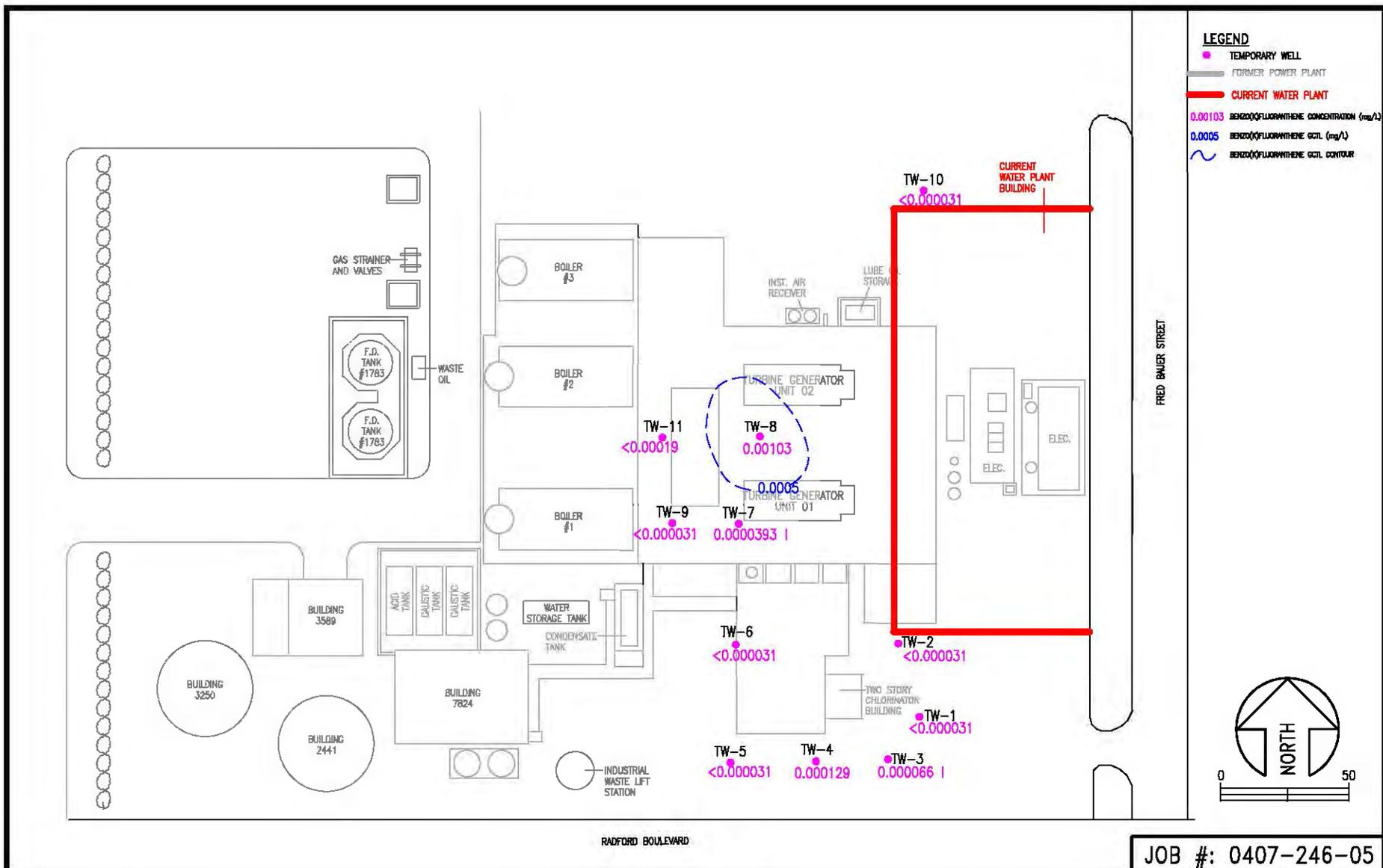


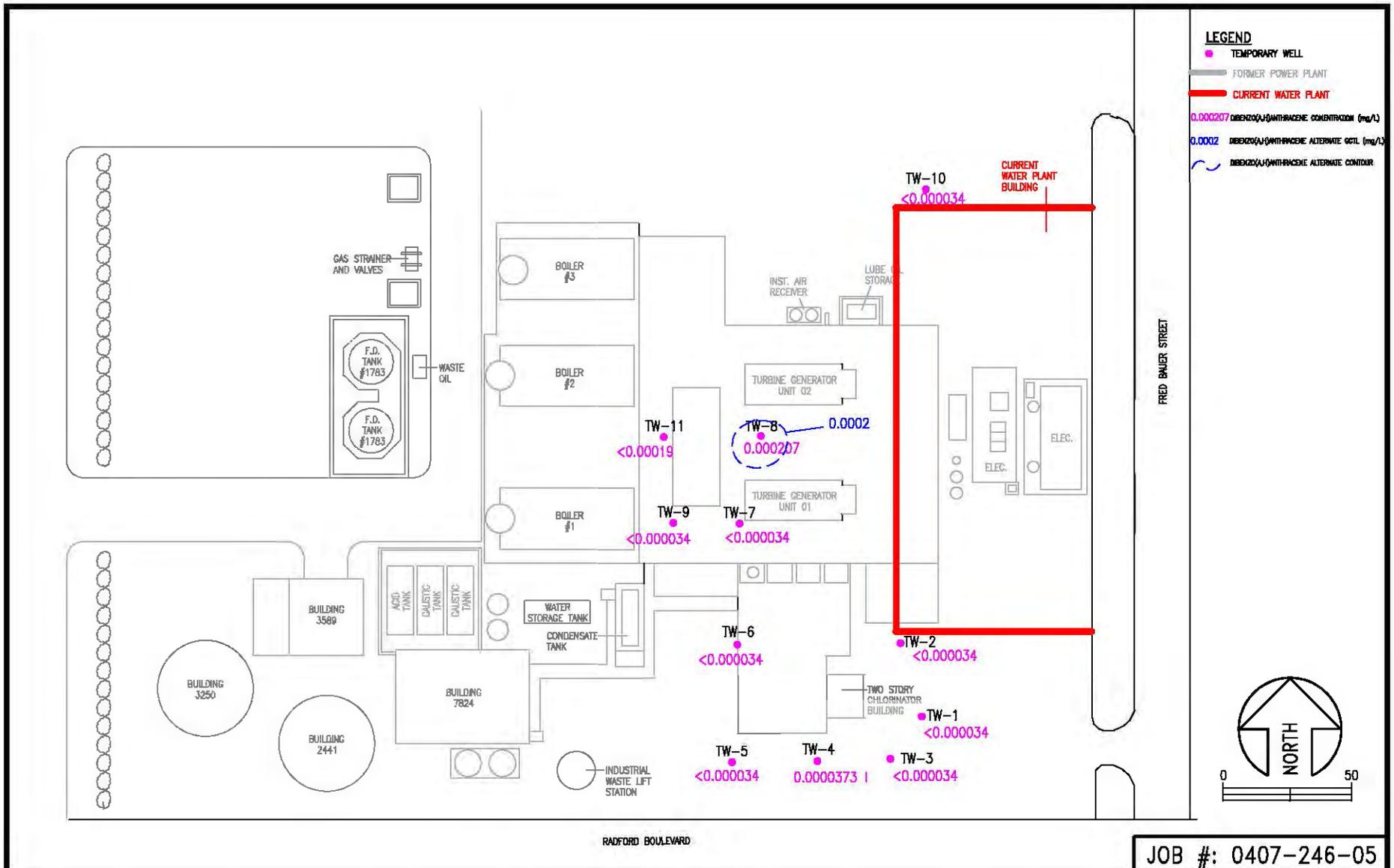
FIGURE 9 - BENZO(K)FLUORANTHENE CONCENTRATIONS IN GROUNDWATER MAP (DECEMBER 18-21, 2007)



BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN

JOB #: 0407-246-05



JOB #: 0407-246-05

FIGURE 10 - DIBENZO(A,H)ANTHRACENE CONCENTRATIONS IN GROUNDWATER MAP (DECEMBER 18-21, 2007)



BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA

SCALE: 1" = 50'

DATE: MAY 2008

DRAWN BY: WIEN

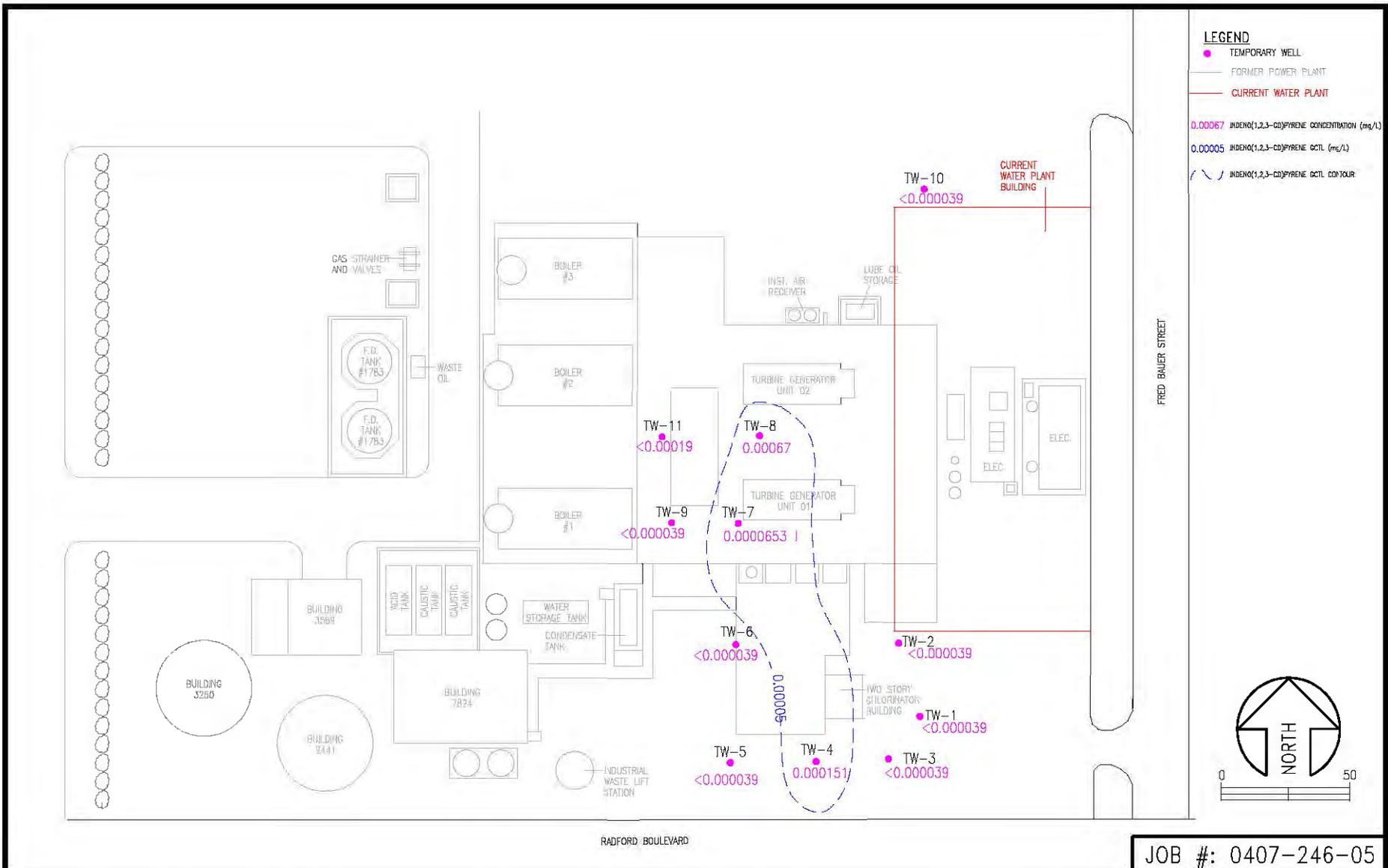


FIGURE 11 - INDENO(1,2,3-CD)PYRENE CONCENTRATIONS IN GROUNDWATER MAP (DECEMBER 18-21, 2007)



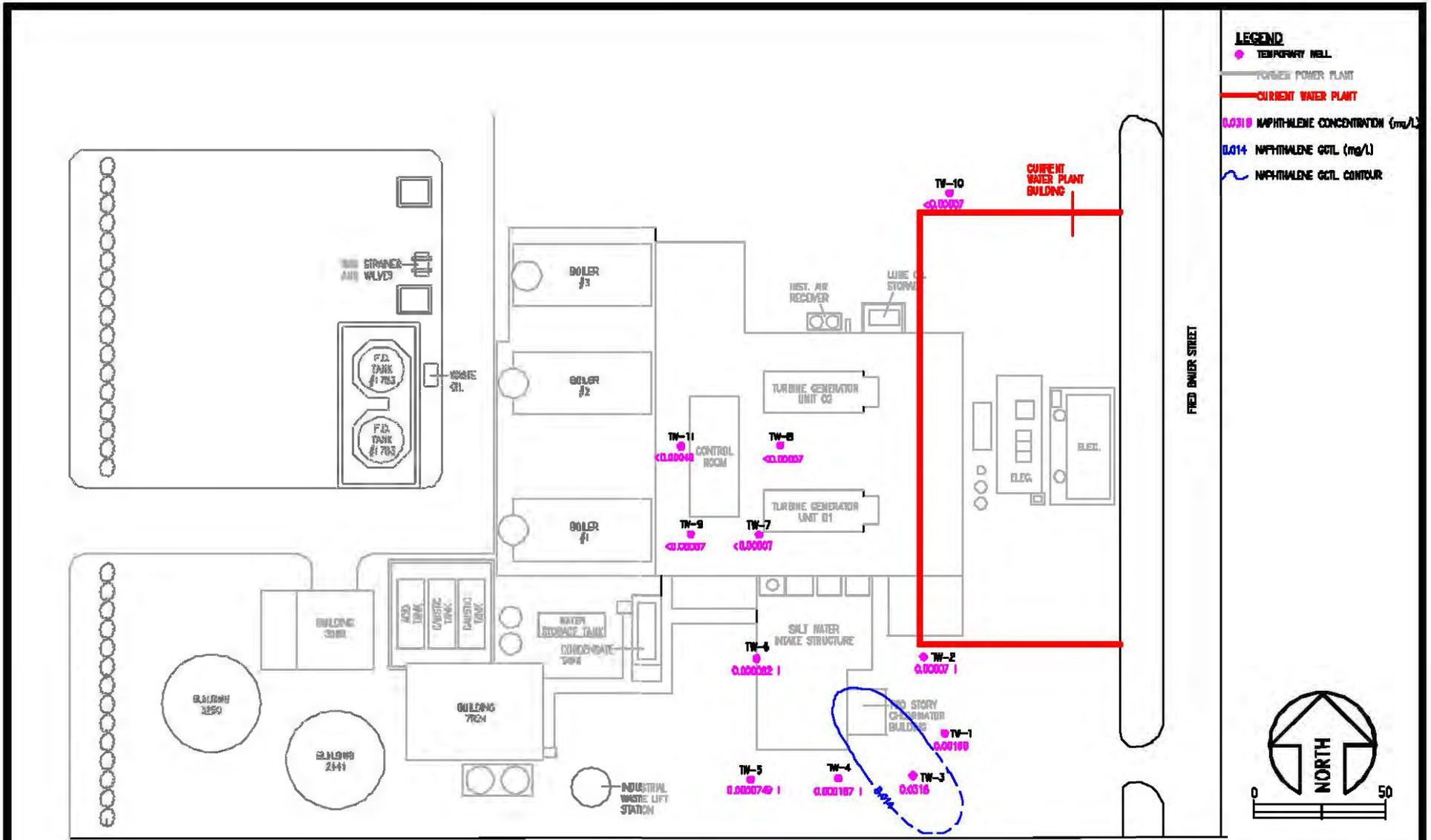
BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA

SCALE: 1" = 50'

DATE: MAY 2008

DRAWN BY: WIEN

JOB #: 0407-246-05



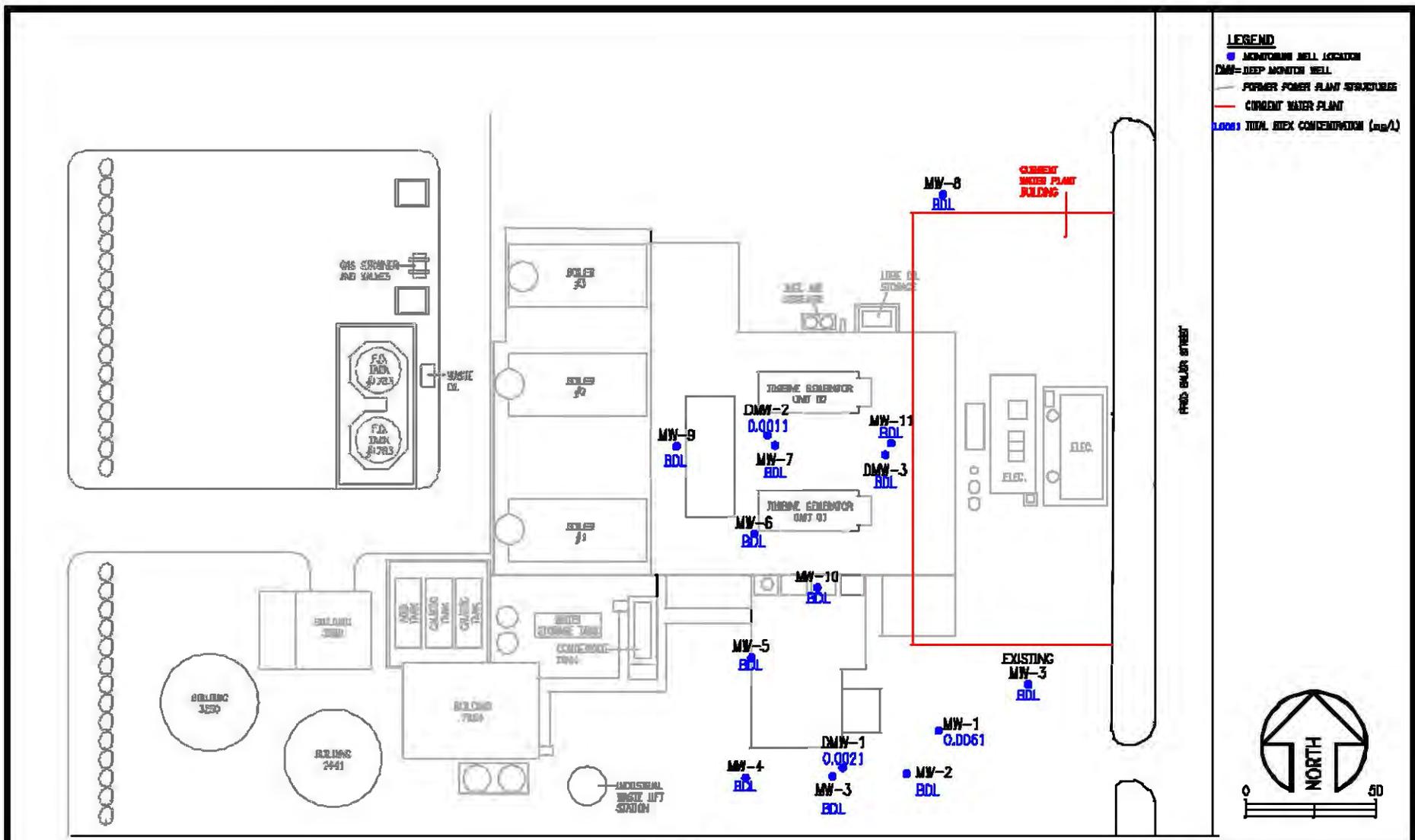
JOB #: 0407-246-05

FIGURE 12 - NAPHTHALENE CONCENTRATIONS IN GROUNDWATER MAP (DECEMBER 18-21, 2007)

BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN





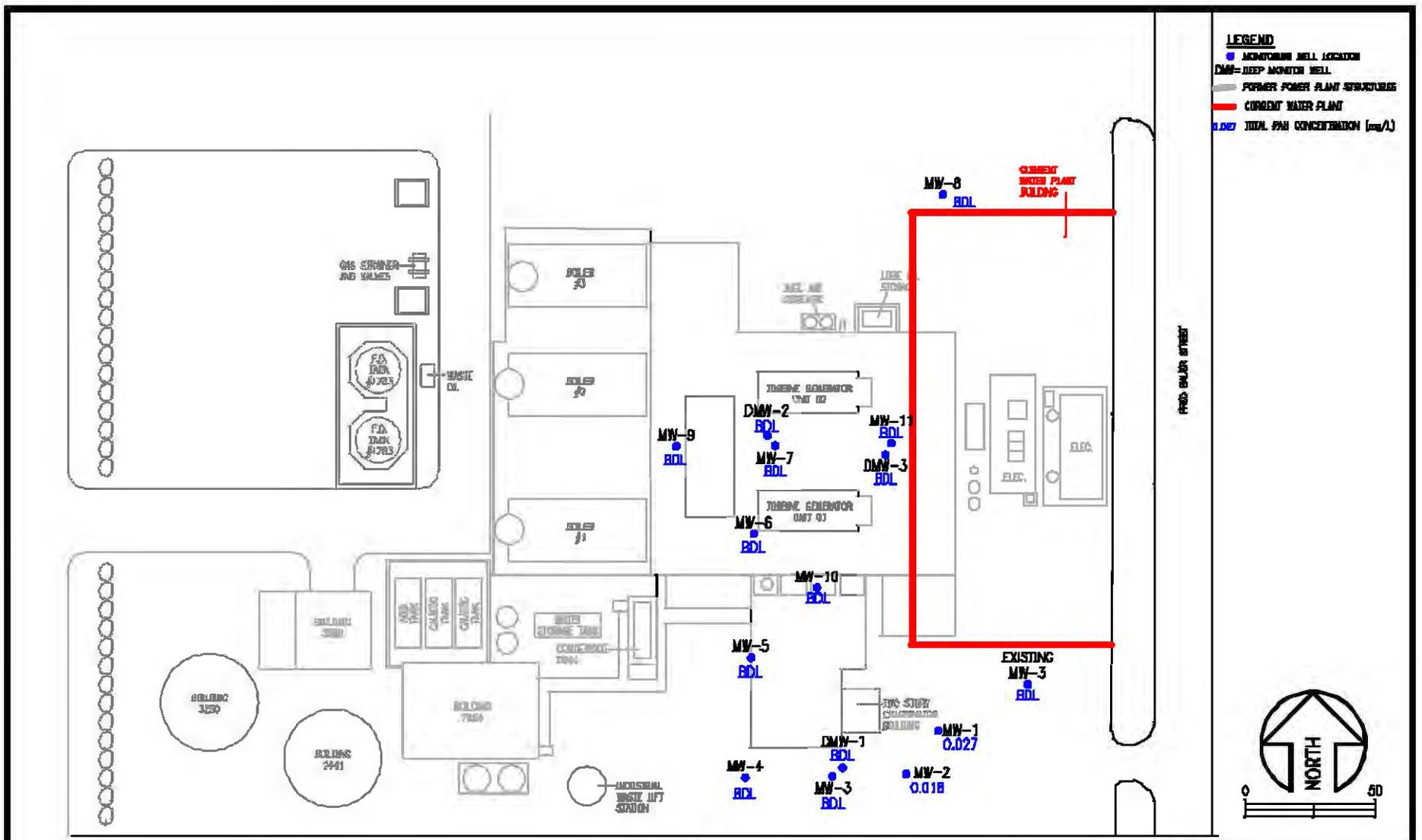
JOB #: 0407-246-05

FIGURE 13 - TOTAL BTEX CONCENTRATIONS IN GROUNDWATER MAP (FEBRUARY 18- APRIL 18, 2008)



BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN



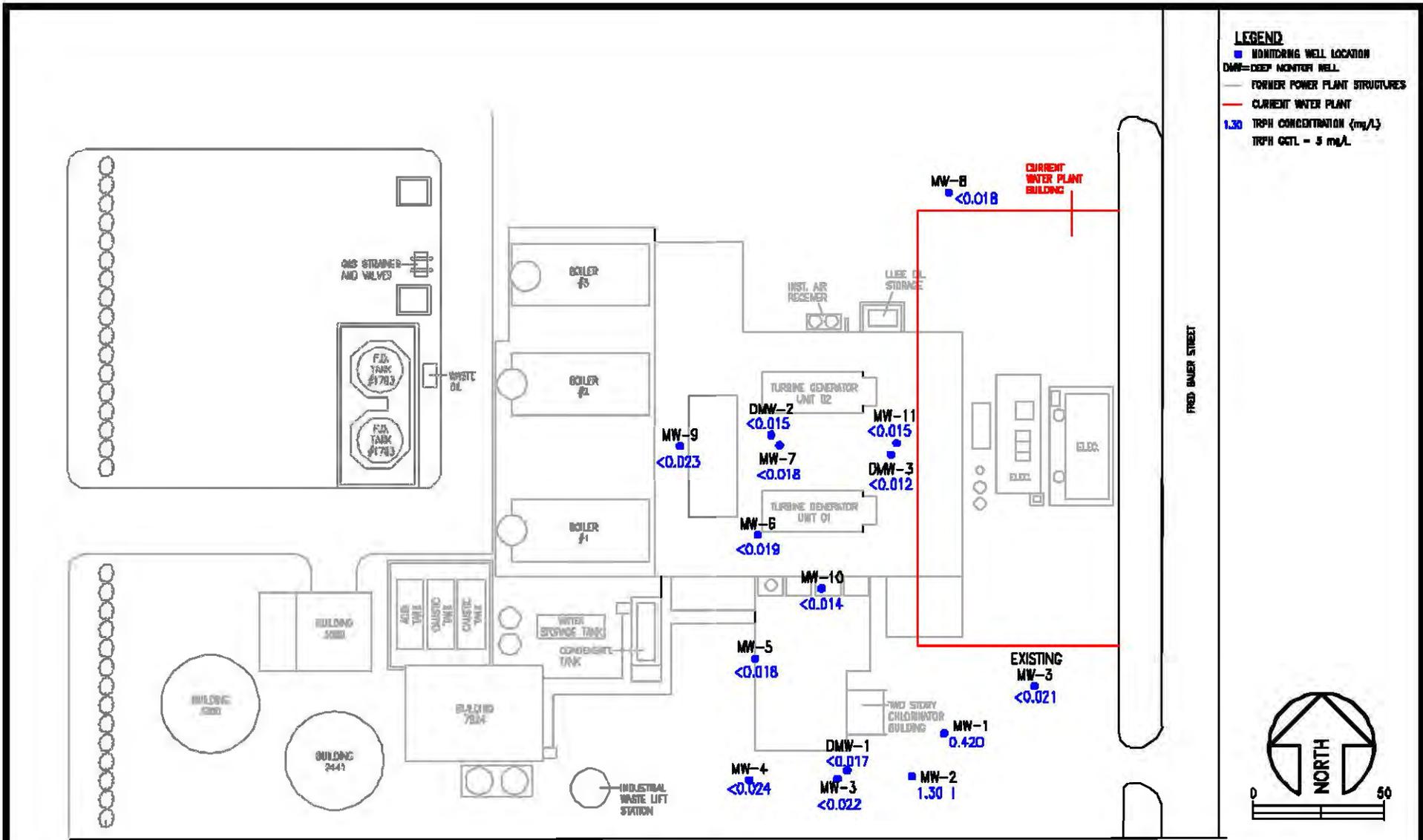
JOB #: 0407-246-05

FIGURE 14 - TOTAL PAH CONCENTRATIONS IN GROUNDWATER MAP (FEBRUARY 18-APRIL 18, 2008)



BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBIA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN



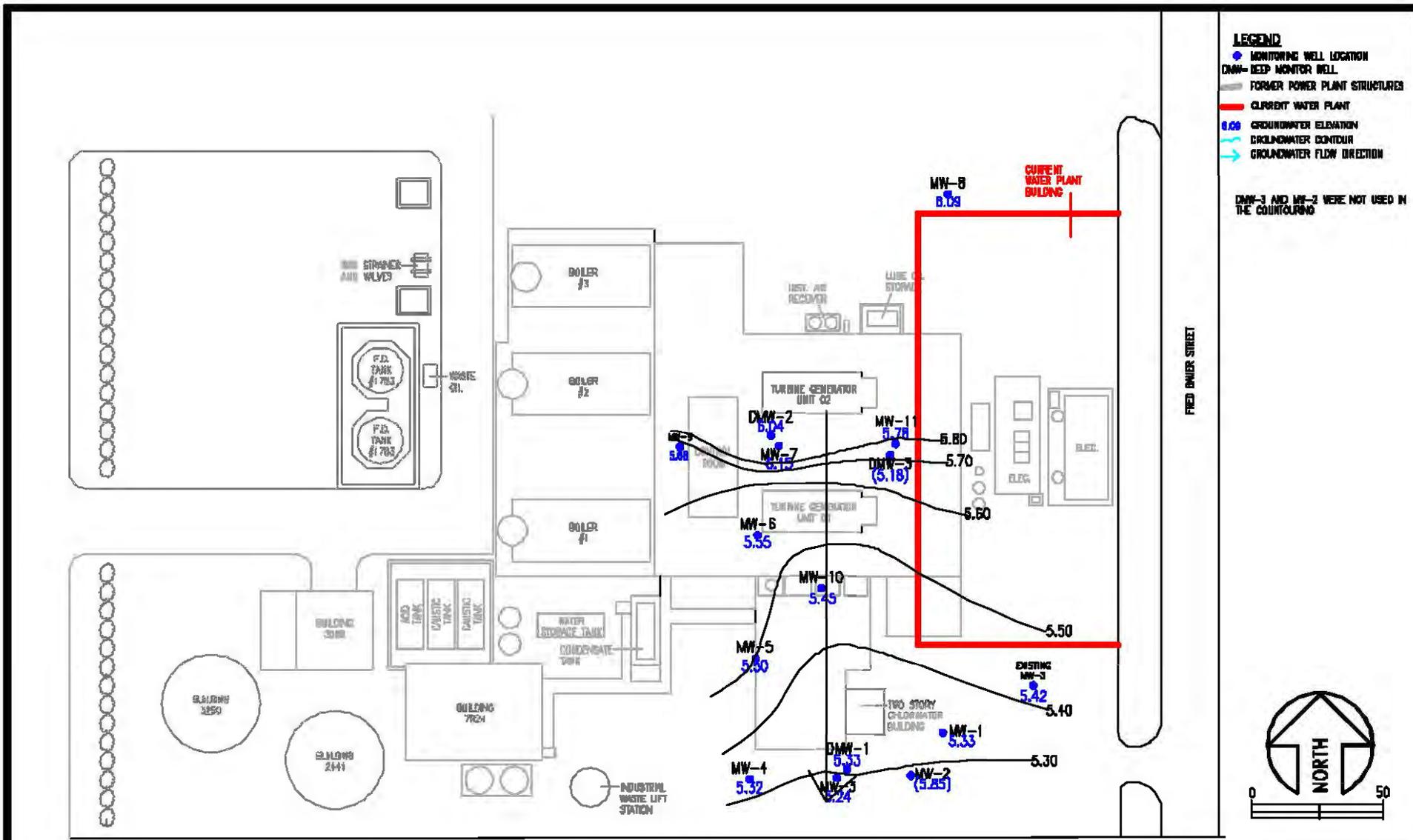
JOB #: 0407-246-05

FIGURE 15 – TRPH CONCENTRATIONS IN GROUNDWATER MAP (FEBRUARY 18–APRIL 18, 2008)

BUILDING 782 – FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN





JOB #: 0407-246-05

FIGURE 17 - GROUNDWATER ELEVATION MAP (APRIL 18, 2008)



BUILDING 782 - FORMER POWER HOUSE
 NAVAL AIR STATION PENSACOLA
 PENSACOLA, ESCAMBA COUNTY, FLORIDA

SCALE: 1" = 50'
 DATE: MAY 2008
 DRAWN BY: WIEN

APPENDIX A

Soil Boring Logs

BORING LOG

Boring/Well Number: B-1/TW-1		Permit Number:		FDEP Facility Identification Number:	
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 900 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
		End Date: 12/18/2007	End Time: 930 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --	
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"		Borehole Depth (feet): 14'
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	B-1 (4-6')
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	0	0	0	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	0	0	0	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	0	0	0	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	20	10	10	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-2/TW-2		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 945 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM								
		End Date: 12/18/2007	End Time: 1030 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM								
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"		Borehole Depth (feet): 14'						
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID						
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand; encountered concrete at 1.5 to 5', therefore boring was moved north 3'	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	0
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	15	0	0	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	10	0	10	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	15	0	15	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	15	0	15	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: B-3/TW-3		Permit Number:		FDEP Facility Identification Number:	
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 1035 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
		End Date: 12/18/2007	End Time: 1130 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --	
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"		Borehole Depth (feet): 14'
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	0
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	0	0	0	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	0	0	0	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	0	0	0	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	0	0	0	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-4/TW-4		Permit Number:		FDEP Facility Identification Number:	
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 1135 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
		End Date: 12/18/2007	End Time: 1230 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM		
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --	
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"		Borehole Depth (feet): 14'
Drilling Method(s): Direct Push	Apparent Borehole DTW (in feet from soil moisture content): 6.5'		Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			B-4 (4-6')
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	0	0	0	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	0	0	0	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	0	0	0	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	0	0	0	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-5/TW-5		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 1235 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM								
		End Date: 12/18/2007	End Time: 1330 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM								
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"		Borehole Depth (feet): 14'						
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID						
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	0
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	10	0	10	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	20	0	20	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	40	0	40	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	45	0	45	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-6VTW-6		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 1335	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
		End Date: 12/18/2007	End Time: 1440	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		--							
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"	Borehole Depth (feet): 14'							
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID							
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	0
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	0	0	0	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	0	0	0	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	0	0	0	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	0	0	0	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-7/TW-7		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 1445 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM								
		End Date: 12/18/2007	End Time: 1515 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM								
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"	Borehole Depth (feet): 14'							
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID							
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	10	0	10	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	15	0	15	5	Moist, gray and tan, fine grained, sand	SM	M	0
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	20	0	20	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	25	0	25	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	25	0	25	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	30	0	30	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: **PH** = Post Hole; **HA** = Hand Auger; **SS** = Split Spoon; **ST** = Shelby Tube; **DP** = Direct Push; **SC** = Sonic Core; **DC** = Drill Cuttings
 Moisture Content Codes: **D** = Dry; **M** = Moist; **W** = Wet; **S** = Saturated

BORING LOG

Boring/Well Number: B-8/TW-8		Permit Number:		FDEP Facility Identification Number:	
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 1520 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
		End Date: 12/18/2007	End Time: 1535 <input type="checkbox"/> AM <input checked="" type="checkbox"/> PM		
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --	
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"		Borehole Depth (feet): 14'
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	10	0	10	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	10	0	10	5	Moist, gray and tan, fine grained, sand	SM	M	B-8 (4-6')
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	15	0	15	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	25	0	25	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	30	0	30	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	65	0	65	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-9/TW-9		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 1540	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
		End Date: 12/18/2007	End Time: 1610	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"	Borehole Depth (feet): 14'							
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID							
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	0
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	0	0	0	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	0	0	0	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	0	0	0	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	0	0	0	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-10/TW-10		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/18/2007	Borehole Start Time: 1615	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
		End Date: 12/18/2007	End Time: 1700	<input type="checkbox"/> AM	<input checked="" type="checkbox"/> PM						
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill	Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"	Borehole Depth (feet): 14'								
Drilling Method(s): Direct Push	Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID								
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other (describe if other or multiple items are checked):											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	5	0	5	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	5	0	5	5	Moist, gray and tan, fine grained, sand	SM	M	B-10 (4-6')
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	10	0	10	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	5	0	5	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	15	0	15	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	15	0	15	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-11/TW-11		Permit Number:		FDEP Facility Identification Number:	
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 12/21/2007	Borehole Start Time: 800 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
		End Date: 12/21/2007	End Time: 900 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM		
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --	
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"		Borehole Depth (feet): 14'
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>					
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)					

Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	B-11 (4-6')
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	0	0	0	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	0	0	0	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	0	0	0	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	0	0	0	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-12		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 2/11/2008	Borehole Start Time: <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM								
		End Date: 2/11/2008	End Time: <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM								
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 8.5"		Borehole Depth (feet): 31'						
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID						
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	5	0	5	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	5	0	5	5	Moist, gray and tan, fine grained, sand	SM	M	B-12 (4-6')
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	15	0	15	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	35	0	35	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	45	0	45	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	60	0	60	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-13/DMW-1		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 2/11/2008	Borehole Start Time: 800 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 2/11/2008							
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill	Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 8.5"	Borehole Depth (feet): 31'								
Drilling Method(s): Direct Push	Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID								
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1' of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	0
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	0	0	0	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	15	0	15	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	35	0	35	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	65	0	65	13	Same as above	SM	S	0
DP							14	Same as above			
DP	14-16	24	NA	65	0	65	15	Same as above	SM	S	0
DP							16	Same as above			
DP	16-18	24	NA	70	0	70	17	Same as above	SM	S	0
DP							18	Same as above			
DP	18-20	24	NA	70	0	70	19	Same as above	SM	S	0
DP							20	Same as above			
DP	20-22	24	NA	60	0	60	21	Same as above	SM	S	0
DP							22	Same as above			
DP	22-24	24	NA	20	0	20	23	Same as above	SM	S	0
DP							24	Same as above			
DP	24-26	24	NA	10	0	10	25	Same as above	SM	S	0
DP							26	Same as above			
DP	26-28	24	NA	10	0	10	27	Same as above	SM	S	0
DP							28	Same as above			
DP	28-30	24	NA	0	0	0	29	Same as above	SM	S	0
DP							30	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-14/DMW-2		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 2/11/2008	Borehole Start Time: 1330 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 2/11/2008	End Time: 1600 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM						
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 8.5"	Borehole Depth (feet): 31'							
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID							
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1' of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	0
HA							6	Very moist; same as above		W	
HA	6-8	24	NA	0	0	0	7	Saturated, tan, fine grained, sand	SM	S	0
HA							8	Same as above			
HA	8-10	24	NA	0	0	0	9	Same as above	SM	S	0
HA							10	Same as above			
HA	10-12	24	NA	0	0	0	11	Same as above	SM	S	0
HA							12	Same as above			
HA	12-14	24	NA	0	0	0	13	Same as above	SM	S	0
HA							14	Same as above			
DP	14-16	24	NA	35	0	35	15	Same as above	SM	S	0
DP							16	Same as above			
DP	16-18	24	NA	35	0	35	17	Same as above	SM	S	0
DP							18	Same as above			
DP	18-20	24	NA	75	0	75	19	Same as above	SM	S	0
DP							20	Same as above			
DP	20-22	24	NA	100	0	100	21	Same as above	SM	S	0
DP							22	Same as above			
DP	22-24	24	NA	80	0	80	23	Same as above	SM	S	0
DP							24	Same as above			
DP	24-26	24	NA	20	0	20	25	Same as above	SM	S	0
DP							26	Same as above			
DP	26-28	24	NA	0	0	0	27	Same as above	SM	S	0
DP							28	Same as above			
DP	28-30	24	NA	0	0	0	29	Same as above	SM	S	0
DP							30	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-15/MW-10		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 3/26/2008	Borehole Start Time: 800 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM								
		End Date: 3/26/2008	End Time: 900 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM								
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 4.5"		Borehole Depth (feet): 31'						
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA		OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID						
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	15	0	15	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	15	0	15	5	Moist, gray and tan, fine grained, sand	SM	M	0
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	15	0	15	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	10	0	10	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	10	0	10	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	15	0	15	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-16/MW-11		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 3/26/2008	Borehole Start Time: 1000	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
		End Date: 3/26/2008	End Time: 1130	<input checked="" type="checkbox"/> AM	<input type="checkbox"/> PM						
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill	Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 8.5"	Borehole Depth (feet): 31'								
Drilling Method(s): Direct Push	Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID								
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1" of grass; Dry, dark brown, medium grained, sand	SM	M	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	M	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	M	0
DP							6	Very moist; same as above		W	
DP	6-8	24	NA	5	0	5	7	Saturated, tan, fine grained, sand	SM	S	0
DP							8	Same as above			
DP	8-10	24	NA	5	0	5	9	Same as above	SM	S	0
DP							10	Same as above			
DP	10-12	24	NA	5	0	5	11	Same as above	SM	S	0
DP							12	Same as above			
DP	12-14	24	NA	10	0	10	13	Same as above	SM	S	0
DP							14	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

BORING LOG

Boring/Well Number: B-17/DMW-3		Permit Number:		FDEP Facility Identification Number:							
Site Name: Building 782 NAS Pensacola, FL		Borehole Start Date: 3/26/2008	Borehole Start Time: 1230 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM	End Date: 3/26/2008	End Time: 1600 <input checked="" type="checkbox"/> AM <input type="checkbox"/> PM						
Environmental Contractor: Aerostar Environmental Services		Geologist's Name: Emilie Wien		Environmental Technician's Name: --							
Drilling Company: Walker Hill		Pavement Thickness (inches): Not Applicable	Borehole Diameter (inches): 8.5"	Borehole Depth (feet): 31'							
Drilling Method(s): Direct Push		Apparent Borehole DTW (in feet from soil moisture content): 6.5'	Measured Well DTW (in feet after water recharges in well): NA	OVA (list model and check type): <input checked="" type="checkbox"/> FID <input type="checkbox"/> PID							
Disposition of Drill Cuttings [check method(s)]: <input checked="" type="checkbox"/> Drum <input type="checkbox"/> Spread <input type="checkbox"/> Backfill <input type="checkbox"/> Stockpile <input type="checkbox"/> Other <i>(describe if other or multiple items are checked):</i>											
Borehole Completion (check one): <input checked="" type="checkbox"/> Well <input type="checkbox"/> Grout <input type="checkbox"/> Bentonite <input type="checkbox"/> Backfill <input type="checkbox"/> Other (describe)											
Sample Type	Sample Depth Interval (feet)	Sample Recovery (inches)	SPT Blows (per six inches)	Unfiltered OVA	Filtered OVA	Net OVA	Depth (feet)	Sample Description (include grain size based on USCS, odors, staining, and other remarks)	USCS Symbol	Moisture Content	Lab Soil and Groundwater Samples (list sample number and depth or temporary screen interval)
PH	0-2	24	NA	0	0	0	1	1' of grass; Dry, dark brown, medium grained, sand	SM	10	0
PH							2	Moist, brown, medium grained, sand			
PH	2-4	24	NA	0	0	0	3	Same as above	SM	25	0
PH							4	Same as above			
PH	4-6	24	NA	0	0	0	5	Moist, gray and tan, fine grained, sand	SM	50	B-17 (4-6')
HA							6	Very moist; same as above		75	
HA	6-8	24	NA	0	0	0	7	Saturated, tan, fine grained, sand	SM	100	0
HA							8	Same as above			
HA	8-10	24	NA	0	0	0	9	Same as above	SM	100	0
HA							10	Same as above			
HA	10-12	24	NA	0	0	0	11	Same as above	SM	100	0
HA							12	Same as above			
HA	12-14	24	NA	0	0	0	13	Same as above	SM	100	0
HA							14	Same as above			
DP	14-16	24	NA	0	0	0	15	Same as above	SM	100	0
DP							16	Same as above			
DP	16-18	24	NA	0	0	0	17	Same as above	SM	100	0
DP							18	Same as above			
DP	18-20	24	NA	0	0	0	19	Same as above	SM	100	0
DP							20	Same as above			
DP	20-22	24	NA	0	0	0	21	Same as above	SM	100	0
DP							22	Same as above			
DP	22-24	24	NA	0	0	0	23	Same as above	SM	100	0
DP							24	Same as above			
DP	24-26	24	NA	0	0	0	25	Same as above	SM	100	0
DP							26	Same as above			
DP	26-28	24	NA	0	0	0	27	Same as above	SM	100	0
DP							28	Same as above			
DP	28-30	24	NA	0	0	0	29	Same as above	SM	100	0
DP							30	Same as above			

Sample Type Codes: PH = Post Hole; HA = Hand Auger; SS = Split Spoon; ST = Shelby Tube; DP = Direct Push; SC = Sonic Core; DC = Drill Cuttings
 Moisture Content Codes: D = Dry; M = Moist; W = Wet; S = Saturated

APPENDIX B

Soil Analytical Reports
And
Chain-of-Custody

ATTN: EMILIE WIEN
AEROSTAR
803 GOVERNMENT STREET
SUITE A
MOBILE, AL 36602

Project No: 003543 AEROSTAR, AEROSTAR
Job Name: **NAS PENSACOLA BLDG 782**
Job Id: [REDACTED]

Inv. No: 203951

Collected by: Customer Sampled

Laboratory Sample #	Client Sample #
L243381-1	B-1 (4-6)
L243381-2	B-4 (4-6)
L243381-3	B-8 (4-6)
L243381-4	B-10 (4-6)

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated. 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-
exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-estimated value;between the MDL
and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;NJ
FL014;PA 68-03756;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.
EPA 18 is a non-NELAC certifiable parameter.

Genapure Analytical Services, Inc. 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Respectfully submitted,



Maria Pacheco
Project Manager
For: Neshmah Castaneda

ANALYTICAL RESULTS

Printed: 12/26/07 03:01pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: **NAS PENSACOLA BLDG 782**
 Job Id: [REDACTED]

Inv. No: 203951

Sample Number L243381-1
 Sample Description B-1 (4-6)
 Samp. Date/Time/Temp 12/18/07 11:30am NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYL ETHER	5035/8260	U mg/kg	DRY 1.02	0.00054	0.0055	12/18/07	12/23/07 DE
BENZENE	5035/8260	U mg/kg	DRY 1.02	0.00035	0.0022	12/18/07	12/23/07 DE
TOLUENE	5035/8260	U mg/kg	DRY 1.02	0.00046	0.0055	12/18/07	12/23/07 DE
ETHYL BENZENE	5035/8260	U mg/kg	DRY 1.02	0.00058	0.0055	12/18/07	12/23/07 DE
M&P-XYLENES	5035/8260	U mg/kg	DRY 1.02	0.0029	0.0055	12/18/07	12/23/07 DE
O-XYLENE	5035/8260	U mg/kg	DRY 1.02	0.00029	0.0055	12/18/07	12/23/07 DE
XYLENES (TOTAL)	5035/8260	U mg/kg	DRY 1.02	0.0031	0.011	12/18/07	12/23/07 DE
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5035/8260	71 %	1.02		40-147		12/23/07 DE
TOLUENE-D8 (SURR)	5035/8260	66 %	1.02		29-146		12/23/07 DE
4-BROMOFLUOROBENZENE (SURR)	5035/8260	64 %	1.02		24-141		12/23/07 DE
BNA Extractable Compounds							
NAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.023	0.11	12/20/07	12/20/07 LN
2-METHYLNAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.030	0.22	12/20/07	12/20/07 LN
1-METHYLNAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.029	0.11	12/20/07	12/20/07 LN
ACENAPHTHYLENE	3550/8270	U mg/kg	DRY 1	0.032	0.11	12/20/07	12/20/07 LN
ACENAPHTHENE	3550/8270	U mg/kg	DRY 1	0.024	0.11	12/20/07	12/20/07 LN
FLUORENE	3550/8270	U mg/kg	DRY 1	0.024	0.11	12/20/07	12/20/07 LN
PHENANTHRENE	3550/8270	U mg/kg	DRY 1	0.035	0.11	12/20/07	12/20/07 LN
ANTHRACENE	3550/8270	U mg/kg	DRY 1	0.038	0.11	12/20/07	12/20/07 LN
FLUORANTHENE	3550/8270	U mg/kg	DRY 1	0.041	0.11	12/20/07	12/20/07 LN
PYRENE	3550/8270	U mg/kg	DRY 1	0.036	0.11	12/20/07	12/20/07 LN
BENZO(A)ANTHRACENE	3550/8270	U mg/kg	DRY 1	0.030	0.11	12/20/07	12/20/07 LN
CHRYSENE	3550/8270	U mg/kg	DRY 1	0.025	0.11	12/20/07	12/20/07 LN
BENZO(B)FLUORANTHENE	3550/8270	U mg/kg	DRY 1	0.021	0.11	12/20/07	12/20/07 LN

ANALYTICAL RESULTS

Printed: 12/26/07 03:01pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: **NAS PENSACOLA BLDG 782**
 Job Id: [REDACTED]

Inv. No: 203951

Sample Number L243381-1
 Sample Description B-1 (4-6)
 Samp. Date/Time/Temp 12/18/07 11:30am NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date	Test Date, Analyst
BENZO(K)FLUORANTHENE	3550/8270	U mg/kg	DRY	1	0.035	0.11	12/20/07	12/20/07 LN
BENZO(A)PYRENE	3550/8270	U mg/kg	DRY	1	0.027	0.065	12/20/07	12/20/07 LN
INDENO(1,2,3-CD)PYRENE	3550/8270	U mg/kg	DRY	1	0.043	0.11	12/20/07	12/20/07 LN
DIBENZ(A,H)ANTHRACENE	3550/8270	U mg/kg	DRY	1	0.029	0.065	12/20/07	12/20/07 LN
BENZO(G,H,I)PERYLENE	3550/8270	U mg/kg	DRY	1	0.029	0.11	12/20/07	12/20/07 LN
SURROGATES		% RECOVERY			% Recovery Limits			
NITROBENZENE-D5 (SURR)	3550/8270	88 %		1		57-116	12/20/07	12/20/07 LN
2-FLUOROBIPHENYL (SURR)	3550/8270	78 %		1		62-113	12/20/07	12/20/07 LN
TERPHENYL-D14 (SURR)	3550/8270	72 %		1		44-143	12/20/07	12/20/07 LN
Florida PRO [REDACTED] TPH(C8-C40)	FLPRO	U mg/kg	DRY	1	3.1	22	12/20/07	12/22/07 RR
SURROGATES		% RECOVERY			% Recovery Limits			
ORTHO-TERPHENYL (SURR)	FLPRO	64 %		1		62-109	12/20/07	12/22/07 RR
PENTATRIACONTANE (SURR)	FLPRO	49 %		1		10-122	12/20/07	12/22/07 RR
Percent Solids/Moisture [REDACTED] TOTAL SOLIDS PERCENT	160.3	92.8 %		1		N/A	12/20/07	RK

ANALYTICAL RESULTS

Printed: 12/26/07 03:01pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: **NAS PENSACOLA BLDG 782**
 Job Id: [REDACTED]

Inv. No: 203951

Sample Number L243381-2
 Sample Description B-4 (4-6)
 Samp. Date/Time/Temp 12/18/07 12:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYL ETHER	5035/8260	U mg/kg	DRY 1.18	0.00063	0.0064	12/18/07	12/23/07 DE
BENZENE	5035/8260	U mg/kg	DRY 1.18	0.00041	0.0026	12/18/07	12/23/07 DE
TOLUENE	5035/8260	U mg/kg	DRY 1.18	0.00054	0.0064	12/18/07	12/23/07 DE
ETHYL BENZENE	5035/8260	U mg/kg	DRY 1.18	0.00068	0.0064	12/18/07	12/23/07 DE
M&P-XYLENES	5035/8260	U mg/kg	DRY 1.18	0.0033	0.0064	12/18/07	12/23/07 DE
O-XYLENE	5035/8260	U mg/kg	DRY 1.18	0.00033	0.0064	12/18/07	12/23/07 DE
XYLENES (TOTAL)	5035/8260	U mg/kg	DRY 1.18	0.0037	0.013	12/18/07	12/23/07 DE
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5035/8260	74 %	1.18		40-147		12/23/07 DE
TOLUENE-D8 (SURR)	5035/8260	63 %	1.18		29-146		12/23/07 DE
4-BROMOFLUOROBENZENE (SURR)	5035/8260	61 %	1.18		24-141		12/23/07 DE
BNA Extractable Compounds							
NAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.023	0.11	12/20/07	12/20/07 LN
2-METHYLNAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.030	0.22	12/20/07	12/20/07 LN
1-METHYLNAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.029	0.11	12/20/07	12/20/07 LN
ACENAPHTHYLENE	3550/8270	U mg/kg	DRY 1	0.033	0.11	12/20/07	12/20/07 LN
ACENAPHTHENE	3550/8270	U mg/kg	DRY 1	0.024	0.11	12/20/07	12/20/07 LN
FLUORENE	3550/8270	U mg/kg	DRY 1	0.025	0.11	12/20/07	12/20/07 LN
PHENANTHRENE	3550/8270	U mg/kg	DRY 1	0.035	0.11	12/20/07	12/20/07 LN
ANTHRACENE	3550/8270	U mg/kg	DRY 1	0.039	0.11	12/20/07	12/20/07 LN
FLUORANTHENE	3550/8270	U mg/kg	DRY 1	0.041	0.11	12/20/07	12/20/07 LN
PYRENE	3550/8270	U mg/kg	DRY 1	0.036	0.11	12/20/07	12/20/07 LN
BENZO(A)ANTHRACENE	3550/8270	U mg/kg	DRY 1	0.030	0.11	12/20/07	12/20/07 LN
CHRYSENE	3550/8270	U mg/kg	DRY 1	0.025	0.11	12/20/07	12/20/07 LN
BENZO(B)FLUORANTHENE	3550/8270	U mg/kg	DRY 1	0.022	0.11	12/20/07	12/20/07 LN

ANALYTICAL RESULTS

Printed: 12/26/07 03:01pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: **NAS PENSACOLA BLDG 782**
 Job Id: [REDACTED]

Inv. No: 203951

Sample Number L243381-2
 Sample Description B-4 (4-6)
 Samp. Date/Time/Temp 12/18/07 12:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date	Test Date, Analyst
BENZO(K)FLUORANTHENE	3550/8270	U mg/kg	DRY	1	0.036	0.11	12/20/07	12/20/07 LN
BENZO(A)PYRENE	3550/8270	U mg/kg	DRY	1	0.028	0.065	12/20/07	12/20/07 LN
INDENO(1,2,3-CD)PYRENE	3550/8270	U mg/kg	DRY	1	0.044	0.11	12/20/07	12/20/07 LN
DIBENZ(A,H)ANTHRACENE	3550/8270	U mg/kg	DRY	1	0.030	0.065	12/20/07	12/20/07 LN
BENZO(G,H,I)PERYLENE	3550/8270	U mg/kg	DRY	1	0.029	0.11	12/20/07	12/20/07 LN
SURROGATES		% RECOVERY			% Recovery Limits			
NITROBENZENE-D5 (SURR)	3550/8270	83 %		1		57-116	12/20/07	12/20/07 LN
2-FLUOROBIPHENYL (SURR)	3550/8270	73 %		1		62-113	12/20/07	12/20/07 LN
TERPHENYL-D14 (SURR)	3550/8270	72 %		1		44-143	12/20/07	12/20/07 LN
Florida PRO TPH(C8-C40)	FLPRO	U mg/kg	DRY	1	3.2	22	12/20/07	12/22/07 RR
SURROGATES		% RECOVERY			% Recovery Limits			
ORTHO-TERPHENYL (SURR)	FLPRO	72 %		1		62-109	12/20/07	12/22/07 RR
PENTATRIACONTANE (SURR)	FLPRO	56 %		1		10-122	12/20/07	12/22/07 RR
Percent Solids/Moisture TOTAL SOLIDS PERCENT	160.3	91.8 %		1		N/A	12/20/07	RK

ANALYTICAL RESULTS

Printed: 12/26/07 03:01pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: **NAS PENSACOLA BLDG 782**
 Job Id: [REDACTED]

Inv. No: 203951

Sample Number L243381-3
 Sample Description B-8 (4-6)
 Samp. Date/Time/Temp 12/18/07 12:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYL ETHER	5035/8260	U mg/kg	DRY .86	0.00052	0.0053	12/18/07	12/23/07 DE
BENZENE	5035/8260	U mg/kg	DRY .86	0.00034	0.0021	12/18/07	12/23/07 DE
TOLUENE	5035/8260	U mg/kg	DRY .86	0.00044	0.0053	12/18/07	12/23/07 DE
ETHYL BENZENE	5035/8260	U mg/kg	DRY .86	0.00056	0.0053	12/18/07	12/23/07 DE
M&P-XYLENES	5035/8260	U mg/kg	DRY .86	0.0027	0.0053	12/18/07	12/23/07 DE
O-XYLENE	5035/8260	U mg/kg	DRY .86	0.00027	0.0053	12/18/07	12/23/07 DE
XYLENES (TOTAL)	5035/8260	U mg/kg	DRY .86	0.0030	0.011	12/18/07	12/23/07 DE
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5035/8260	73 %	.86		40-147		12/23/07 DE
TOLUENE-D8 (SURR)	5035/8260	62 %	.86		29-146		12/23/07 DE
4-BROMOFLUOROBENZENE (SURR)	5035/8260	62 %	.86		24-141		12/23/07 DE
BNA Extractable Compounds							
NAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.026	0.12	12/20/07	12/20/07 LN
2-METHYLNAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.034	0.25	12/20/07	12/20/07 LN
1-METHYLNAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.033	0.12	12/20/07	12/20/07 LN
ACENAPHTHYLENE	3550/8270	U mg/kg	DRY 1	0.037	0.12	12/20/07	12/20/07 LN
ACENAPHTHENE	3550/8270	U mg/kg	DRY 1	0.027	0.12	12/20/07	12/20/07 LN
FLUORENE	3550/8270	U mg/kg	DRY 1	0.028	0.12	12/20/07	12/20/07 LN
PHENANTHRENE	3550/8270	U mg/kg	DRY 1	0.040	0.12	12/20/07	12/20/07 LN
ANTHRACENE	3550/8270	U mg/kg	DRY 1	0.043	0.12	12/20/07	12/20/07 LN
FLUORANTHENE	3550/8270	U mg/kg	DRY 1	0.046	0.12	12/20/07	12/20/07 LN
PYRENE	3550/8270	U mg/kg	DRY 1	0.041	0.12	12/20/07	12/20/07 LN
BENZO(A)ANTHRACENE	3550/8270	U mg/kg	DRY 1	0.034	0.12	12/20/07	12/20/07 LN
CHRYSENE	3550/8270	U mg/kg	DRY 1	0.028	0.12	12/20/07	12/20/07 LN
BENZO(B)FLUORANTHENE	3550/8270	U mg/kg	DRY 1	0.024	0.12	12/20/07	12/20/07 LN

ANALYTICAL RESULTS

Printed: 12/26/07 03:01pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: **NAS PENSACOLA BLDG 782**
 Job Id: [REDACTED]

Inv. No: 203951

Sample Number L243381-3
 Sample Description B-8 (4-6)
 Samp. Date/Time/Temp 12/18/07 12:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date	Test Date, Analyst
BENZO(K)FLUORANTHENE	3550/8270	U mg/kg	DRY	1	0.040	0.12	12/20/07	12/20/07 LN
BENZO(A)PYRENE	3550/8270	U mg/kg	DRY	1	0.031	0.074	12/20/07	12/20/07 LN
INDENO(1,2,3-CD)PYRENE	3550/8270	U mg/kg	DRY	1	0.049	0.12	12/20/07	12/20/07 LN
DIBENZ(A,H)ANTHRACENE	3550/8270	U mg/kg	DRY	1	0.034	0.074	12/20/07	12/20/07 LN
BENZO(G,H,I)PERYLENE	3550/8270	U mg/kg	DRY	1	0.033	0.12	12/20/07	12/20/07 LN
SURROGATES		% RECOVERY			% Recovery Limits			
NITROBENZENE-D5 (SURR)	3550/8270	92 %		1		57-116	12/20/07	12/20/07 LN
2-FLUOROBIPHENYL (SURR)	3550/8270	83 %		1		62-113	12/20/07	12/20/07 LN
TERPHENYL-D14 (SURR)	3550/8270	73 %		1		44-143	12/20/07	12/20/07 LN
Florida PRO [REDACTED] TPH(C8-C40)	FLPRO	U mg/kg	DRY	1	3.6	25	12/20/07	12/22/07 RR
SURROGATES		% RECOVERY			% Recovery Limits			
ORTHO-TERPHENYL (SURR)	FLPRO	76 %		1		62-109	12/20/07	12/22/07 RR
PENTATRIACONTANE (SURR)	FLPRO	46 %		1		10-122	12/20/07	12/22/07 RR
Percent Solids/Moisture [REDACTED] TOTAL SOLIDS PERCENT	160.3	81.5 %		1		N/A		12/20/07 RK

ANALYTICAL RESULTS

Printed: 12/26/07 03:01pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: **NAS PENSACOLA BLDG 782**
 Job Id: [REDACTED]

Inv. No: 203951

Sample Number L243381-4
 Sample Description B-10 (4-6)
 Samp. Date/Time/Temp 12/18/07 01:45pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYL ETHER	5035/8260	U mg/kg	DRY .84	0.00051	0.0052	12/18/07	12/23/07 DE
BENZENE	5035/8260	U mg/kg	DRY .84	0.00033	0.0021	12/18/07	12/23/07 DE
TOLUENE	5035/8260	U mg/kg	DRY .84	0.00044	0.0052	12/18/07	12/23/07 DE
ETHYL BENZENE	5035/8260	U mg/kg	DRY .84	0.00055	0.0052	12/18/07	12/23/07 DE
M&P-XYLENES	5035/8260	U mg/kg	DRY .84	0.0027	0.0052	12/18/07	12/23/07 DE
O-XYLENE	5035/8260	U mg/kg	DRY .84	0.00027	0.0052	12/18/07	12/23/07 DE
XYLENES (TOTAL)	5035/8260	U mg/kg	DRY .84	0.0030	0.010	12/18/07	12/23/07 DE
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5035/8260	83 %	.84		40-147		12/23/07 DE
TOLUENE-D8 (SURR)	5035/8260	75 %	.84		29-146		12/23/07 DE
4-BROMOFLUOROBENZENE (SURR)	5035/8260	74 %	.84		24-141		12/23/07 DE
BNA Extractable Compounds							
NAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.026	0.12	12/20/07	12/20/07 LN
2-METHYLNAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.034	0.25	12/20/07	12/20/07 LN
1-METHYLNAPHTHALENE	3550/8270	U mg/kg	DRY 1	0.033	0.12	12/20/07	12/20/07 LN
ACENAPHTHYLENE	3550/8270	U mg/kg	DRY 1	0.037	0.12	12/20/07	12/20/07 LN
ACENAPHTHENE	3550/8270	U mg/kg	DRY 1	0.028	0.12	12/20/07	12/20/07 LN
FLUORENE	3550/8270	U mg/kg	DRY 1	0.028	0.12	12/20/07	12/20/07 LN
PHENANTHRENE	3550/8270	U mg/kg	DRY 1	0.040	0.12	12/20/07	12/20/07 LN
ANTHRACENE	3550/8270	U mg/kg	DRY 1	0.044	0.12	12/20/07	12/20/07 LN
FLUORANTHENE	3550/8270	U mg/kg	DRY 1	0.047	0.12	12/20/07	12/20/07 LN
PYRENE	3550/8270	U mg/kg	DRY 1	0.041	0.12	12/20/07	12/20/07 LN
BENZO(A)ANTHRACENE	3550/8270	U mg/kg	DRY 1	0.034	0.12	12/20/07	12/20/07 LN
CHRYSENE	3550/8270	U mg/kg	DRY 1	0.028	0.12	12/20/07	12/20/07 LN
BENZO(B)FLUORANTHENE	3550/8270	U mg/kg	DRY 1	0.024	0.12	12/20/07	12/20/07 LN

ANALYTICAL RESULTS

Printed: 12/26/07 03:01pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: **NAS PENSACOLA BLDG 782**
 Job Id: [REDACTED]

Inv. No: 203951

Sample Number L243381-4
 Sample Description B-10 (4-6)
 Samp. Date/Time/Temp 12/18/07 01:45pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result		DIL	MDL	PQL	Prep Date	Test Date, Analyst
BENZO(K)FLUORANTHENE	3550/8270	U mg/kg	DRY	1	0.040	0.12	12/20/07	12/20/07 LN
BENZO(A)PYRENE	3550/8270	U mg/kg	DRY	1	0.032	0.074	12/20/07	12/20/07 LN
INDENO(1,2,3-CD)PYRENE	3550/8270	U mg/kg	DRY	1	0.049	0.12	12/20/07	12/20/07 LN
DIBENZ(A,H)ANTHRACENE	3550/8270	U mg/kg	DRY	1	0.034	0.074	12/20/07	12/20/07 LN
BENZO(G,H,I)PERYLENE	3550/8270	U mg/kg	DRY	1	0.033	0.12	12/20/07	12/20/07 LN
SURROGATES		% RECOVERY			% Recovery Limits			
NITROBENZENE-D5 (SURR)	3550/8270	81 %		1		57-116	12/20/07	12/20/07 LN
2-FLUOROBIPHENYL (SURR)	3550/8270	73 %		1		62-113	12/20/07	12/20/07 LN
TERPHENYL-D14 (SURR)	3550/8270	68 %		1		44-143	12/20/07	12/20/07 LN
Florida PRO TPH(C8-C40)	FLPRO	U mg/kg	DRY	1	3.6	25	12/20/07	12/22/07 RR
SURROGATES		% RECOVERY			% Recovery Limits			
ORTHO-TERPHENYL (SURR)	FLPRO	57* %		1		62-109	12/20/07	12/22/07 RR
PENTATRIACONTANE (SURR)	FLPRO	34 %		1		10-122	12/20/07	12/22/07 RR
Percent Solids/Moisture TOTAL SOLIDS PERCENT	160.3	80.7 %		1		N/A		12/20/07 RK

**** NOTES CONCERNING THE ABOVE SAMPLE ****

ORTHO-TERPHENYL (SURR) - Surrogate or spike recovery exceeds FLPRO method limits, however they are within USB generated in house limits. Data reported.

L243381

Chain of Custody Record

Lab Report No.:

Company: AEROSTAR	Gulf Coast LabNet, Inc. An Environmental Lab Services Co.	Modified from DEP Form #: 62-770.900(2)	Page 1 of 1
Address: 4640 S. CARROLLTAN AVE. NEW ORLEANS, LA 70119	Phone: (251) 625-1331 Fax: (251) 625-1299	FDEP Facility No.:	Project Name: NAS PENSACOLA Bldg 782
Attn: EMILIE WIEN		Location: Pensacola, FL	
Sampled by [Print Name] / Affiliation: Emilie Wien		Project No.:	

Item No.	Field ID No.	Sampled		Grab or Comp.	Matrix Codes	No. Cont.	SO35 / 8260	BTEX / METE	PAH 8310	H	H	H	REQUESTED DUE DATE	
		Date	Time										Remarks	Lab. No.
1	B-1 (4-6)	12/18/07	1030		SO	5	X	X	X					
2	B-4 (4-6)		1230		↓	5	X	X	X					
3	B-8 (4-6)		1230		↓	5	X	X	X					
4	B-10 (4-6)		1345		↓	5	X	X	X					

Shipment Method: Pro		Total Number of Containers: 20						
Out: / /	Via:	Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via:		Emilie Wien / GCL	12/18/07	1705	Emilie Wien / GCL	12/18/07	1705
Additional Comments			FedEx P.M.	12-18-07	1800	FedEx P.M.	12-18-07	1800
						Phonon USA	12/18/07	1735
Cooler No.(s) / Temperature(s) (°C): 400				Sampling Kit No.: 7122		Equipment ID No.:		

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify) **CH3OH + DIH2O**

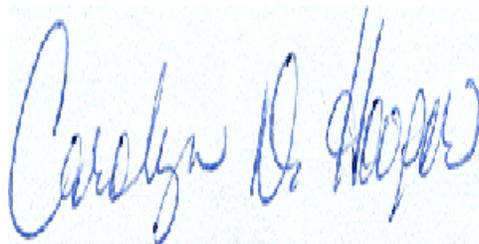
ANALYTICAL REPORT

Job Number: 400-27404-1

Job Description: NAS Pensacola - Site 782 - Pensacola, FL

For:

Aerostar Environmental Services, Inc.
4640 S. Carrolltan Avenue
New Orleans, LA 70119
Attention: Emilie Wien



Carolyn Hooper
Project Manager I
carolyn.hooper@testamericainc.com
03/11/2008
Revision: 1

cc: Ms. Dawn Hudson
Mr. Danny Miller
Mr. Carl D Williams

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Pensacola Certifications and Approvals: Alabama (#40150), Arizona (#AZ0589), Arkansas (#88-0689), California (#2510), Florida (#E81010), Florida CQAP (#980156), Illinois (#200041), Iowa (#367), Kansas (#E10253), Kentucky UST (#0053), Louisiana (#30748), Maryland (#233), Massachusetts (#M-FL094), Michigan (#9912), New Hampshire (#250502), New Jersey (#FL006), North Carolina (#314), North Dakota (#R-108), Oklahoma (#9810), Pennsylvania (#68-467), South Carolina (#96026), Tennessee (#02907), Virginia (#00008), West Virginia (#136), USDA Foreign Soil Permit (#S-37599).

TestAmerica Laboratories, Inc.

TestAmerica Pensacola 3355 McLemore Drive, Pensacola, FL 32514
Tel (850) 474-1001 Fax (850) 478-2671 www.testamericainc.com



SAMPLE SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-27404-1	TW-11	Water	12/21/2007 1000	12/21/2007 1500
400-27404-2	B-11 (4-6)	Solid	12/21/2007 0930	12/21/2007 1500

EXECUTIVE SUMMARY - Detections

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
400-27404-2 Percent Solids	B-11 (4-6)	89	0.10	Percent	PercentMoisture

SAMPLE RESULTS

Emilie Wien
Aerostar Environmental Services, Inc.
4640 S. Carrolltan Avenue
New Orleans, LA 70119

Job Number: 400-27404-1

Client Sample ID: B-11 (4-6)
Lab Sample ID: 400-27404-2

Date Sampled: 12/21/2007 0930
Date Received: 12/21/2007 1500
Client Matrix: Solid
Percent Solids: 89

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed:	12/26/2007 2152	
Prep Method: 3550B			Date Prepared:	12/22/2007 0715	
Acenaphthene	0.056 U	mg/Kg	0.056	0.56	1.0
Acenaphthylene	0.056 U	mg/Kg	0.056	0.56	1.0
Anthracene	0.056 U	mg/Kg	0.056	0.56	1.0
Benzo[a]anthracene	0.056 U	mg/Kg	0.056	0.56	1.0
Benzo[a]pyrene	0.056 U	mg/Kg	0.056	0.56	1.0
Benzo[b]fluoranthene	0.056 U	mg/Kg	0.056	0.56	1.0
Benzo[g,h,i]perylene	0.056 U	mg/Kg	0.056	0.56	1.0
Benzo[k]fluoranthene	0.056 U	mg/Kg	0.056	0.56	1.0
Chrysene	0.056 U	mg/Kg	0.056	0.56	1.0
Dibenz(a,h)anthracene	0.056 U	mg/Kg	0.056	0.56	1.0
Fluoranthene	0.056 U	mg/Kg	0.056	0.56	1.0
Fluorene	0.056 U	mg/Kg	0.056	0.56	1.0
Indeno[1,2,3-cd]pyrene	0.056 U	mg/Kg	0.056	0.56	1.0
Naphthalene	0.056 U	mg/Kg	0.056	0.56	1.0
Phenanthrene	0.056 U	mg/Kg	0.056	0.56	1.0
Pyrene	0.056 U	mg/Kg	0.056	0.56	1.0
1-Methylnaphthalene	0.056 U	mg/Kg	0.056	0.56	1.0
2-Methylnaphthalene	0.056 U	mg/Kg	0.056	0.56	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	78	%	41 - 94		
Nitrobenzene-d5	69	%	22 - 94		
Terphenyl-d14	78	%	53 - 96		
Method: 8021B			Date Analyzed:	12/31/2007 1026	
Prep Method: 5035			Date Prepared:	12/31/2007 0725	
Benzene	0.00085 U	mg/Kg	0.00085	0.0014	1.0
Toluene	0.0028 U	mg/Kg	0.0028	0.014	1.0
Ethylbenzene	0.0028 U	mg/Kg	0.0028	0.0070	1.0
Xylenes, Total	0.0028 U	mg/Kg	0.0028	0.0056	1.0
Methyl tert-butyl ether	0.0028 U	mg/Kg	0.0028	0.0070	1.0
Naphthalene	0.0028 U	mg/Kg	0.0028	0.0070	1.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	110	%	62 - 134		

DATA REPORTING QUALIFIERS

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
GC VOA		
	U	Indicates that the compound was analyzed for but not detected.

Job Narrative
400-J27404-1

Receipt

All samples were received in good condition within temperature requirements.

Organic Prep

Method(s) 3520C: Batch 61453 / 8270 Insufficient sample volume was provided to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organics by 8021B (BTEX)	TAL PEN	SW846 8021B	
Closed System Purge & Trap/Field Preservation	TAL PEN		SW846 5035
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL PEN	SW846 8270C	
Ultrasonic Extraction	TAL PEN		SW846 3550B
Matrix: Water			
Volatile Organics by 8021B (BTEX)	TAL PEN	SW846 8021B	
Purge-and-Trap	TAL PEN		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL PEN	SW846 8270C	
Continuous Liquid-Liquid Extraction	TAL PEN		SW846 3520C

Lab References:

TAL PEN = TestAmerica Pensacola

Method References:

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

METHOD / ANALYST SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Method	Analyst	Analyst ID
SW846 8270C	Schumann, Jane	JS
SW846 8021B	Lee, Jefferson	JL
SW846 8021B	Potts, Charles	CP
EPA PercentMoisture	Chea, Vanda	VC

QUALITY CONTROL RESULTS

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 400-61449					
LCS 400-61449/20-A	Lab Control Spike	T	Solid	3550B	
MB 400-61449/21-A	Method Blank	T	Solid	3550B	
400-27404-2	B-11 (4-6)	T	Solid	3550B	
400-27407-I-2-D MS	Matrix Spike	T	Solid	3550B	
400-27407-I-2-E MSD	Matrix Spike Duplicate	T	Solid	3550B	
Prep Batch: 400-61453					
LCS 400-61453/9-A	Lab Control Spike	T	Water	3520C	
MB 400-61453/10-A	Method Blank	T	Water	3520C	
400-27404-1	TW-11	T	Water	3520C	
Analysis Batch:400-61817					
LCS 400-61449/20-A	Lab Control Spike	T	Solid	8270C	400-61449
MB 400-61449/21-A	Method Blank	T	Solid	8270C	400-61449
400-27404-2	B-11 (4-6)	T	Solid	8270C	400-61449
400-27407-I-2-D MS	Matrix Spike	T	Solid	8270C	400-61449
400-27407-I-2-E MSD	Matrix Spike Duplicate	T	Solid	8270C	400-61449
Analysis Batch:400-61935					
LCS 400-61453/9-A	Lab Control Spike	T	Water	8270C	400-61453
MB 400-61453/10-A	Method Blank	T	Water	8270C	400-61453
400-27404-1	TW-11	T	Water	8270C	400-61453

Report Basis

T = Total

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:400-61875					
LCS 400-61875/1	Lab Control Spike	T	Water	8021B	
MB 400-61875/2	Method Blank	T	Water	8021B	
400-27346-B-2 MS	Matrix Spike	T	Water	8021B	
400-27346-C-2 MSD	Matrix Spike Duplicate	T	Water	8021B	
400-27404-1	TW-11	T	Water	8021B	
Analysis Batch:400-62160					
LCS 400-62161/2-A	Lab Control Spike	T	Solid	8021B	400-62161
MB 400-62161/1-A	Method Blank	T	Solid	8021B	400-62161
400-27404-2	B-11 (4-6)	T	Solid	8021B	400-62161
400-27500-A-4-C MS	Matrix Spike	T	Solid	8021B	400-62161
400-27500-A-4-D MSD	Matrix Spike Duplicate	T	Solid	8021B	400-62161
Prep Batch: 400-62161					
LCS 400-62161/2-A	Lab Control Spike	T	Solid	5035	
MB 400-62161/1-A	Method Blank	T	Solid	5035	
400-27404-2	B-11 (4-6)	T	Solid	5035	
400-27500-A-4-C MS	Matrix Spike	T	Solid	5035	
400-27500-A-4-D MSD	Matrix Spike Duplicate	T	Solid	5035	

Report Basis

T = Total

General Chemistry

Analysis Batch:400-61617					
400-27404-2	B-11 (4-6)	T	Solid	PercentMoisture	

Report Basis

T = Total

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Surrogate Recovery Report

8021B Volatile Organics by 8021B (BTEX)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
400-27404-2	B-11 (4-6)	110
MB 400-62161/1-A		102
LCS 400-62161/2-A		111
400-27500-A-4-C MS		104
400-27500-A-4-D MSD		106

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene (pid)	62-134

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
400-27404-2	B-11 (4-6)	78	69	78
MB 400-61449/21-A		86	78	85
LCS 400-61449/20-A		83	76	80
400-27407-I-2-D MS		80	74	77
400-27407-I-2-E MSD		76	70	72

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	41-94
NBZ = Nitrobenzene-d5	22-94
TPH = Terphenyl-d14	53-96

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Method Blank - Batch: 400-61449

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 400-61449/21-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/26/2007 1234
Date Prepared: 12/22/2007 0715

Analysis Batch: 400-61817
Prep Batch: 400-61449
Units: mg/Kg

Instrument ID: GC/MSD
Lab File ID: MB61449S.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	MDL	PQL
Acenaphthene	0.050	U	0.050	0.50
Acenaphthylene	0.050	U	0.050	0.50
Anthracene	0.050	U	0.050	0.50
Benzo[a]anthracene	0.050	U	0.050	0.50
Benzo[a]pyrene	0.050	U	0.050	0.50
Benzo[b]fluoranthene	0.050	U	0.050	0.50
Benzo[g,h,i]perylene	0.050	U	0.050	0.50
Benzo[k]fluoranthene	0.050	U	0.050	0.50
Chrysene	0.050	U	0.050	0.50
Dibenz(a,h)anthracene	0.050	U	0.050	0.50
Fluoranthene	0.050	U	0.050	0.50
Fluorene	0.050	U	0.050	0.50
Indeno[1,2,3-cd]pyrene	0.050	U	0.050	0.50
Naphthalene	0.050	U	0.050	0.50
Phenanthrene	0.050	U	0.050	0.50
Pyrene	0.050	U	0.050	0.50
1-Methylnaphthalene	0.050	U	0.050	0.50
2-Methylnaphthalene	0.050	U	0.050	0.50
Surrogate	% Rec		Acceptance Limits	
2-Fluorobiphenyl	86		41 - 94	
Nitrobenzene-d5	78		22 - 94	
Terphenyl-d14	85		53 - 96	

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Lab Control Spike - Batch: 400-61449

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 400-61449/20-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/26/2007 1302
Date Prepared: 12/22/2007 0715

Analysis Batch: 400-61817
Prep Batch: 400-61449
Units: mg/Kg

Instrument ID: GC/MSD
Lab File ID: LC61449S.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	1.67	1.39	83	54 - 118	
Acenaphthylene	1.67	1.35	81	58 - 124	
Anthracene	1.67	1.41	84	56 - 120	
Benzo[a]anthracene	1.67	1.39	84	65 - 118	
Benzo[a]pyrene	1.67	1.48	89	66 - 114	
Benzo[b]fluoranthene	1.67	1.33	80	60 - 110	
Benzo[g,h,i]perylene	1.67	1.51	91	47 - 130	
Benzo[k]fluoranthene	1.67	1.54	93	68 - 128	
Chrysene	1.67	1.43	86	66 - 120	
Dibenz(a,h)anthracene	1.67	2.09	126	30 - 177	
Fluoranthene	1.67	1.59	96	69 - 125	
Fluorene	1.67	1.55	93	58 - 124	
Indeno[1,2,3-cd]pyrene	1.67	1.53	92	60 - 117	
Naphthalene	1.67	1.32	79	44 - 112	
Phenanthrene	1.67	1.39	83	63 - 122	
Pyrene	1.67	1.39	83	62 - 124	
1-Methylnaphthalene	1.67	1.43	86	47 - 122	
2-Methylnaphthalene	1.67	1.36	81	48 - 118	
Surrogate			% Rec	Acceptance Limits	
2-Fluorobiphenyl			83	41 - 94	
Nitrobenzene-d5			76	22 - 94	
Terphenyl-d14			80	53 - 96	

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-61449**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 400-27407-I-2-D MS Analysis Batch: 400-61817
Client Matrix: Solid Prep Batch: 400-61449
Dilution: 1.0
Date Analyzed: 12/26/2007 1330
Date Prepared: 12/22/2007 0715

Instrument ID: GC/MSD
Lab File ID: MS61449S.D
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 1.0 mL
Injection Volume:

MSD Lab Sample ID: 400-27407-I-2-E MSD Analysis Batch: 400-61817
Client Matrix: Solid Prep Batch: 400-61449
Dilution: 1.0
Date Analyzed: 12/26/2007 1358
Date Prepared: 12/22/2007 0715

Instrument ID: GC/MSD
Lab File ID: MD61449S.D
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthene	83	79	46 - 110	5	24		
Acenaphthylene	80	77	49 - 114	4	24		
Anthracene	83	81	53 - 105	2	23		
Benzo[a]anthracene	80	78	57 - 110	1	20		
Benzo[a]pyrene	82	82	55 - 104	0	21		
Benzo[b]fluoranthene	76	74	49 - 105	2	24		
Benzo[g,h,i]perylene	88	86	41 - 119	2	26		
Benzo[k]fluoranthene	90	87	58 - 116	3	23		
Chrysene	83	81	56 - 113	2	21		
Dibenz(a,h)anthracene	121	118	29 - 159	2	25		
Fluoranthene	97	90	59 - 116	7	24		
Fluorene	94	89	51 - 113	4	24		
Indeno[1,2,3-cd]pyrene	88	86	52 - 107	2	24		
Naphthalene	79	75	40 - 100	4	28		
Phenanthrene	84	80	52 - 115	4	20		
Pyrene	80	78	51 - 120	2	21		
1-Methylnaphthalene	87	82	43 - 107	5	26		
2-Methylnaphthalene	83	79	43 - 105	5	28		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
2-Fluorobiphenyl	80	76	41 - 94
Nitrobenzene-d5	74	70	22 - 94
Terphenyl-d14	77	72	53 - 96

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Method Blank - Batch: 400-62161

Method: 8021B
Preparation: 5035

Lab Sample ID: MB 400-62161/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/31/2007 0912
Date Prepared: 12/31/2007 0725

Analysis Batch: 400-62160
Prep Batch: 400-62161
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: B123101.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Benzene	0.00060	U	0.00060	0.0010
Toluene	0.0020	U	0.0020	0.010
Ethylbenzene	0.0020	U	0.0020	0.0050
Xylenes, Total	0.0020	U	0.0020	0.0040
Methyl tert-butyl ether	0.0020	U	0.0020	0.0050
Naphthalene	0.0020	U	0.0020	0.0050
Surrogate	% Rec		Acceptance Limits	
a,a,a-Trifluorotoluene (pid)	102		62 - 134	

Lab Control Spike - Batch: 400-62161

Method: 8021B
Preparation: 5035

Lab Sample ID: LCS 400-62161/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/31/2007 0725
Date Prepared: 12/31/2007 0725

Analysis Batch: 400-62160
Prep Batch: 400-62161
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: B123022.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0500	0.0504	101	75 - 124	
Toluene	0.0500	0.0515	103	74 - 129	
Ethylbenzene	0.0500	0.0542	108	81 - 124	
Xylenes, Total	0.150	0.162	108	79 - 126	
Methyl tert-butyl ether	0.100	0.124	124	66 - 130	
Naphthalene	0.0500	0.0463	93	43 - 162	
Surrogate		% Rec		Acceptance Limits	
a,a,a-Trifluorotoluene (pid)		111		62 - 134	

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-62161**

**Method: 8021B
Preparation: 5035**

MS Lab Sample ID: 400-27500-A-4-C MS Analysis Batch: 400-62160
Client Matrix: Solid Prep Batch: 400-62161
Dilution: 1.0
Date Analyzed: 01/04/2008 1417
Date Prepared: 12/31/2007 0725

Instrument ID: GC/PID/FID
Lab File ID: B010404.D
Initial Weight/Volume: 4.99 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 400-27500-A-4-D MSD Analysis Batch: 400-62160
Client Matrix: Solid Prep Batch: 400-62161
Dilution: 1.0
Date Analyzed: 01/04/2008 1516
Date Prepared: 12/31/2007 0725

Instrument ID: GC/PID/FID
Lab File ID: B010405.D
Initial Weight/Volume: 5.02 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	<u>% Rec.</u>		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	83	77	59 - 131	9	27		
Toluene	85	75	47 - 143	13	23		
Ethylbenzene	71	63	40 - 158	12	34		
Xylenes, Total	75	68	51 - 147	11	31		
Methyl tert-butyl ether	83	83	58 - 134	0	29		
Naphthalene	65	115	25 - 182	26	39		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
a,a,a-Trifluorotoluene (pid)		104	106			62 - 134	

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

Login Sample Receipt Check List

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Login Number: 27404
Creator: Hooper, Carolyn
List Number: 1

List Source: TestAmerica Pensacola

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

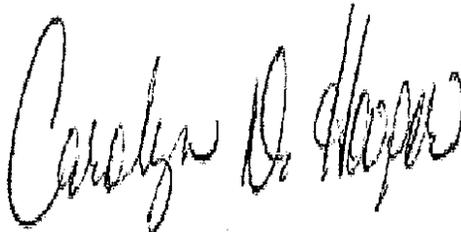
ANALYTICAL REPORT

Job Number: 400-29604-1

Job Description: NAS Pensacola-BLDG. #782

For:

Aerostar Environmental Services, Inc.
4640 S. Carrolltan Avenue
New Orleans, LA 70119
Attention: Emilie Wien



Carolyn Hooper
Project Manager I
carolyn.hooper@testamericainc.com
06/20/2008
Revision: 1

cc: Ms. Dawn Hudson
Mr. Danny Miller
Mr. Carl D Williams

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory.

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TestAmerica Laboratories, Inc.
TestAmerica Pensacola 3355 McLemore Drive, Pensacola, FL 32514
Tel (850) 474-1001 Fax (850) 478-2671 www.testamericainc.com



SAMPLE SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-29604-1	B-12	Solid	03/26/2008 0930	03/27/2008 1450
400-29604-2	B-17	Solid	03/26/2008 1045	03/27/2008 1450

EXECUTIVE SUMMARY - Detections

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Lab Sample ID	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
400-29604-1	B-12				
Percent Solids		91	0.10	Percent	PercentMoisture
400-29604-2	B-17				
Total Petroleum Hydrocarbons (C8-C40)		250	78	mg/Kg	FL-PRO
Percent Solids		96	0.10	Percent	PercentMoisture

SAMPLE RESULTS

Emilie Wien
Aerostar Environmental Services, Inc.
4640 S. Carrolltan Avenue
New Orleans, LA 70119

Job Number: 400-29604-1

Client Sample ID: B-12
Lab Sample ID: 400-29604-1

Date Sampled: 03/26/2008 0930
Date Received: 03/27/2008 1450
Client Matrix: Solid
Percent Solids: 91

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8260B			Date Analyzed: 04/03/2008 1457		
Prep Method: 5035			Date Prepared: 04/03/2008 0800		
Benzene	0.00032 U	mg/Kg	0.00032	0.0053	1.0
Toluene	0.00072 U	mg/Kg	0.00072	0.0053	1.0
Ethylbenzene	0.00057 U	mg/Kg	0.00057	0.0053	1.0
Xylenes, Total	0.0022 U	mg/Kg	0.0022	0.011	1.0
Methyl tert-butyl ether	0.0011 U	mg/Kg	0.0011	0.0053	1.0
Surrogate			Acceptance Limits		
4-Bromofluorobenzene	98	%	41 - 155		
Dibromofluoromethane	102	%	83 - 118		
Toluene-d8 (Surr)	102	%	87 - 115		
Method: 8270C			Date Analyzed: 04/03/2008 2140		
Prep Method: 3550B			Date Prepared: 03/31/2008 0834		
Acenaphthene	0.055 U	mg/Kg	0.055	0.55	1.0
Acenaphthylene	0.055 U	mg/Kg	0.055	0.55	1.0
Anthracene	0.055 U	mg/Kg	0.055	0.55	1.0
Benzo[a]anthracene	0.055 U	mg/Kg	0.055	0.55	1.0
Benzo[a]pyrene	0.055 U	mg/Kg	0.055	0.55	1.0
Benzo[b]fluoranthene	0.055 U	mg/Kg	0.055	0.55	1.0
Benzo[g,h,i]perylene	0.055 U	mg/Kg	0.055	0.55	1.0
Benzo[k]fluoranthene	0.055 U	mg/Kg	0.055	0.55	1.0
Chrysene	0.055 U	mg/Kg	0.055	0.55	1.0
Dibenz(a,h)anthracene	0.055 U	mg/Kg	0.055	0.55	1.0
Fluoranthene	0.055 U	mg/Kg	0.055	0.55	1.0
Fluorene	0.055 U	mg/Kg	0.055	0.55	1.0
Indeno[1,2,3-cd]pyrene	0.055 U	mg/Kg	0.055	0.55	1.0
Naphthalene	0.055 U	mg/Kg	0.055	0.55	1.0
Phenanthrene	0.055 U	mg/Kg	0.055	0.55	1.0
Pyrene	0.055 U	mg/Kg	0.055	0.55	1.0
1-Methylnaphthalene	0.055 U	mg/Kg	0.055	0.55	1.0
2-Methylnaphthalene	0.055 U	mg/Kg	0.055	0.55	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	65	%	41 - 94		
Nitrobenzene-d5	70	%	22 - 94		
Terphenyl-d14	84	%	53 - 96		
Method: FL-PRO			Date Analyzed: 03/31/2008 1710		
Prep Method: 3550B			Date Prepared: 03/31/2008 0823		
Total Petroleum Hydrocarbons (C8-C40)	8.8 U	mg/Kg	8.8	22	1.0

Emilie Wien
Aerostar Environmental Services, Inc.
4640 S. Carrolltan Avenue
New Orleans, LA 70119

Job Number: 400-29604-1

Client Sample ID: B-12
Lab Sample ID: 400-29604-1

Date Sampled: 03/26/2008 0930
Date Received: 03/27/2008 1450
Client Matrix: Solid
Percent Solids: 91

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate				Acceptance Limits	
n-C39	95	%		37 - 138	
o-Terphenyl	95	%		50 - 121	

Emilie Wien
 Aerostar Environmental Services, Inc.
 4640 S. Carrolltan Avenue
 New Orleans, LA 70119

Job Number: 400-29604-1

Client Sample ID: B-17
 Lab Sample ID: 400-29604-2

Date Sampled: 03/26/2008 1045
 Date Received: 03/27/2008 1450
 Client Matrix: Solid
 Percent Solids: 96

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8260B			Date Analyzed: 04/02/2008 1859		
Prep Method: 5035			Date Prepared: 04/02/2008 0800		
Benzene	0.00031 U	mg/Kg	0.00031	0.0052	1.0
Toluene	0.00071 U	mg/Kg	0.00071	0.0052	1.0
Ethylbenzene	0.00056 U	mg/Kg	0.00056	0.0052	1.0
Xylenes, Total	0.0022 U	mg/Kg	0.0022	0.010	1.0
Methyl tert-butyl ether	0.0010 U	mg/Kg	0.0010	0.0052	1.0
Surrogate			Acceptance Limits		
4-Bromofluorobenzene	97	%	41 - 155		
Dibromofluoromethane	101	%	83 - 118		
Toluene-d8 (Surr)	97	%	87 - 115		
Method: 8270C			Date Analyzed: 04/03/2008 2212		
Prep Method: 3550B			Date Prepared: 03/31/2008 0834		
Acenaphthene	0.052 U	mg/Kg	0.052	0.52	1.0
Acenaphthylene	0.052 U	mg/Kg	0.052	0.52	1.0
Anthracene	0.052 U	mg/Kg	0.052	0.52	1.0
Benzo[a]anthracene	0.052 U	mg/Kg	0.052	0.52	1.0
Benzo[a]pyrene	0.052 U	mg/Kg	0.052	0.52	1.0
Benzo[b]fluoranthene	0.052 U	mg/Kg	0.052	0.52	1.0
Benzo[g,h,i]perylene	0.052 U	mg/Kg	0.052	0.52	1.0
Benzo[k]fluoranthene	0.052 U	mg/Kg	0.052	0.52	1.0
Chrysene	0.052 U	mg/Kg	0.052	0.52	1.0
Dibenz(a,h)anthracene	0.052 U	mg/Kg	0.052	0.52	1.0
Fluoranthene	0.052 U	mg/Kg	0.052	0.52	1.0
Fluorene	0.052 U	mg/Kg	0.052	0.52	1.0
Indeno[1,2,3-cd]pyrene	0.052 U	mg/Kg	0.052	0.52	1.0
Naphthalene	0.052 U	mg/Kg	0.052	0.52	1.0
Phenanthrene	0.052 U	mg/Kg	0.052	0.52	1.0
Pyrene	0.052 U	mg/Kg	0.052	0.52	1.0
1-Methylnaphthalene	0.052 U	mg/Kg	0.052	0.52	1.0
2-Methylnaphthalene	0.052 U	mg/Kg	0.052	0.52	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	62	%	41 - 94		
Nitrobenzene-d5	79	%	22 - 94		
Terphenyl-d14	84	%	53 - 96		
Method: FL-PRO			Date Analyzed: 04/01/2008 1742		
Prep Method: 3550B			Date Prepared: 03/31/2008 0823		
Total Petroleum Hydrocarbons (C8-C40)	250	mg/Kg	31	78	5.0

Emilie Wien
Aerostar Environmental Services, Inc.
4640 S. Carrolltan Avenue
New Orleans, LA 70119

Job Number: 400-29604-1

Client Sample ID: B-17
Lab Sample ID: 400-29604-2

Date Sampled: 03/26/2008 1045
Date Received: 03/27/2008 1450
Client Matrix: Solid
Percent Solids: 96

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate				Acceptance Limits	
n-C39	31	J1	%	37 - 138	
o-Terphenyl	81		%	50 - 121	

DATA REPORTING QUALIFIERS

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

<u>Lab Section</u>	<u>Qualifier</u>	<u>Description</u>
GC/MS VOA		
	J3	Estimated value; value may not be accurate. Spike recovery or RPD outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC/MS Semi VOA		
	J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
GC Semi VOA		
	J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.

Job Narrative
400-J29604-1

Receipt

All samples were received in good condition within temperature requirements.

GC/MS Semi VOA

Method(s) 8270C: The method blank for prep batch 66780 had one acid surrogate and one base surrogate recover above the limits. The blank was non-detect for any target analytes; therefore, the samples were not re-extracted and the data was reported.

No other analytical or quality issues were noted.

GC Semi VOA

Method(s) FL-PRO: Surrogate recovery for the following sample(s) was outside control limits: B-13/MW-11 (400-29604-2). Evidence of matrix interference is present; therefore, re-extraction and/or re-analysis was not performed.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Description	Lab Location	Method	Preparation Method
Matrix: Solid			
Volatile Organic Compounds by GC/MS	TAL PEN	SW846 8260B	
Closed System Purge & Trap/Field Preservation	TAL PEN		SW846 5035
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL PEN	SW846 8270C	
Ultrasonic Extraction	TAL PEN		SW846 3550B
Florida Method for Determination of Petroleum Range Organics by GC/FID	TAL PEN	FL-DEP FL-PRO	
Ultrasonic Extraction	TAL PEN		SW846 3550B

Lab References:

TAL PEN = TestAmerica Pensacola

Method References:

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

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

METHOD / ANALYST SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Method	Analyst	Analyst ID
SW846 8260B	Hunt, Bruce	BH
SW846 8270C	Schumann, Jane	JS
FL-DEP FL-PRO	Green, Dylan	DG
EPA PercentMoisture	Chea, Vanda	VC

QUALITY CONTROL RESULTS

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS VOA					
Analysis Batch:400-67023					
LCS 400-67025/2-A	Lab Control Spike	T	Solid	8260B	400-67025
MB 400-67025/1-A	Method Blank	T	Solid	8260B	400-67025
400-29604-2	B-17	T	Solid	8260B	400-67025
400-29637-A-2-F MS	Matrix Spike	T	Solid	8260B	400-67025
400-29637-A-2-G MSD	Matrix Spike Duplicate	T	Solid	8260B	400-67025
Prep Batch: 400-67025					
LCS 400-67025/2-A	Lab Control Spike	T	Solid	5035	
MB 400-67025/1-A	Method Blank	T	Solid	5035	
400-29604-2	B-17	T	Solid	5035	
400-29637-A-2-F MS	Matrix Spike	T	Solid	5035	
400-29637-A-2-G MSD	Matrix Spike Duplicate	T	Solid	5035	
Analysis Batch:400-67058					
LCS 400-67060/2-A	Lab Control Spike	T	Solid	8260B	400-67060
MB 400-67060/1-A	Method Blank	T	Solid	8260B	400-67060
400-29604-1	B-12	T	Solid	8260B	400-67062
Prep Batch: 400-67060					
LCS 400-67060/2-A	Lab Control Spike	T	Solid	5035	
MB 400-67060/1-A	Method Blank	T	Solid	5035	
Prep Batch: 400-67062					
400-29604-1	B-12	T	Solid	5035	

Report Basis

T = Total

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 400-66780					
LCS 400-66780/2-A	Lab Control Spike	T	Solid	3550B	
MB 400-66780/1-A	Method Blank	T	Solid	3550B	
400-29604-1	B-12	T	Solid	3550B	
400-29604-2	B-17	T	Solid	3550B	
Analysis Batch:400-67190					
LCS 400-66780/2-A	Lab Control Spike	T	Solid	8270C	400-66780
MB 400-66780/1-A	Method Blank	T	Solid	8270C	400-66780
400-29604-1	B-12	T	Solid	8270C	400-66780
400-29604-2	B-17	T	Solid	8270C	400-66780
Report Basis					
T = Total					
GC Semi VOA					
Prep Batch: 400-66778					
LCS 400-66778/2-A	Lab Control Spike	T	Solid	3550B	
MB 400-66778/1-A	Method Blank	T	Solid	3550B	
400-29604-1	B-12	T	Solid	3550B	
400-29604-1MS	Matrix Spike	T	Solid	3550B	
400-29604-1MSD	Matrix Spike Duplicate	T	Solid	3550B	
400-29604-2	B-17	T	Solid	3550B	
Analysis Batch:400-66845					
LCS 400-66778/2-A	Lab Control Spike	T	Solid	FL-PRO	400-66778
MB 400-66778/1-A	Method Blank	T	Solid	FL-PRO	400-66778
400-29604-1	B-12	T	Solid	FL-PRO	400-66778
400-29604-1MS	Matrix Spike	T	Solid	FL-PRO	400-66778
400-29604-1MSD	Matrix Spike Duplicate	T	Solid	FL-PRO	400-66778
400-29604-2	B-17	T	Solid	FL-PRO	400-66778
Report Basis					
T = Total					
General Chemistry					
Analysis Batch:400-66701					
400-29604-1	B-12	T	Solid	PercentMoisture	
400-29604-2	B-17	T	Solid	PercentMoisture	
Report Basis					
T = Total					

TestAmerica Pensacola

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Surrogate Recovery Report

8260B Volatile Organic Compounds by GC/MS

Client Matrix: Solid

Lab Sample ID	Client Sample ID	BFB %Rec	DBFM %Rec	TOL %Rec
400-29604-1	B-12	98	102	102
400-29604-2	B-17	97	101	97
MB 400-67025/1-A		95	101	100
MB 400-67060/1-A		98	101	99
LCS 400-67025/2-A		101	100	101
LCS 400-67060/2-A		100	97	102
400-29637-A-2-F MS		98	100	100
400-29637-A-2-G MSD		102	96	99

Surrogate	Acceptance Limits
BFB = 4-Bromofluorobenzene	41-155
DBFM = Dibromofluoromethane	83-118
TOL = Toluene-d8 (Surr)	87-115

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
400-29604-1	B-12	65	70	84
400-29604-2	B-17	62	79	84
MB 400-66780/1-A		78	92	115J1
LCS 400-66780/2-A		70	83	83

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	41-94
NBZ = Nitrobenzene-d5	22-94
TPH = Terphenyl-d14	53-96

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Surrogate Recovery Report

FL-PRO Florida Method for Determination of Petroleum Range Organics by GC/FID

Client Matrix: Solid

Lab Sample ID	Client Sample ID	C39 %Rec	OTPH %Rec
400-29604-1	B-12	95	95
400-29604-2	B-17	31J1	81
MB 400-66778/1-A		100	91
LCS 400-66778/2-A		54	89
400-29604-1 MS	B-12 MS	54	84
400-29604-1 MSD	B-12 MSD	64	81

Surrogate	Acceptance Limits
C39 = n-C39	37-138
OTPH = o-Terphenyl	50-121

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Method Blank - Batch: 400-67025

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 400-67025/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/02/2008 1150
Date Prepared: 04/02/2008 0800

Analysis Batch: 400-67023
Prep Batch: 400-67025
Units: mg/Kg

Instrument ID: GC/MS
Lab File ID: KS366MB.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	MDL	PQL
Benzene	0.00030	U	0.00030	0.0050
Toluene	0.00068	U	0.00068	0.0050
Ethylbenzene	0.00054	U	0.00054	0.0050
Xylenes, Total	0.0021	U	0.0021	0.010
Methyl tert-butyl ether	0.0010	U	0.0010	0.0050

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	95	41 - 155
Dibromofluoromethane	101	83 - 118
Toluene-d8 (Surr)	100	87 - 115

Lab Control Spike - Batch: 400-67025

Method: 8260B
Preparation: 5035

Lab Sample ID: LCS 400-67025/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/02/2008 1210
Date Prepared: 04/02/2008 0800

Analysis Batch: 400-67023
Prep Batch: 400-67025
Units: mg/Kg

Instrument ID: GC/MS
Lab File ID: KS366LC8.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0500	0.0514	103	76 - 124	
Toluene	0.0500	0.0523	105	81 - 124	
Ethylbenzene	0.0500	0.0541	108	78 - 130	
Xylenes, Total	0.150	0.168	112	79 - 131	
Methyl tert-butyl ether	0.0500	0.0533	107	70 - 134	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	101	41 - 155
Dibromofluoromethane	100	83 - 118
Toluene-d8 (Surr)	101	87 - 115

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-67025**

**Method: 8260B
Preparation: 5035**

MS Lab Sample ID: 400-29637-A-2-F MS Analysis Batch: 400-67023
Client Matrix: Solid Prep Batch: 400-67025
Dilution: 1.0
Date Analyzed: 04/02/2008 1347
Date Prepared: 04/02/2008 0800

Instrument ID: GC/MS
Lab File ID: 637-2MS.D
Initial Weight/Volume: 4.96 g
Final Weight/Volume: 5 g

MSD Lab Sample ID: 400-29637-A-2-G MSD Analysis Batch: 400-67023
Client Matrix: Solid Prep Batch: 400-67025
Dilution: 1.0
Date Analyzed: 04/02/2008 2214
Date Prepared: 04/02/2008 0800

Instrument ID: GC/MS
Lab File ID: 637-2MDR.D
Initial Weight/Volume: 5.38 g
Final Weight/Volume: 5 g

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	89	91	79 - 116	6	15		
Toluene	88	83	78 - 118	13	18		
Ethylbenzene	89	77	74 - 125	22	21		J3
Xylenes, Total	88	75	75 - 125	24	21		J3
Methyl tert-butyl ether	103	101	70 - 124	10	19		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
4-Bromofluorobenzene	98	102	41 - 155
Dibromofluoromethane	100	96	83 - 118
Toluene-d8 (Surr)	100	99	87 - 115

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Method Blank - Batch: 400-67060

Method: 8260B
Preparation: 5035

Lab Sample ID: MB 400-67060/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/03/2008 1300
Date Prepared: 04/03/2008 0800

Analysis Batch: 400-67058
Prep Batch: 400-67060
Units: mg/Kg

Instrument ID: GC/MS
Lab File ID: KS367MB.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Result	Qual	MDL	PQL
Benzene	0.00030	U	0.00030	0.0050
Toluene	0.00080	I	0.00068	0.0050
Ethylbenzene	0.00054	U	0.00054	0.0050
Xylenes, Total	0.0021	U	0.0021	0.010
Methyl tert-butyl ether	0.0010	U	0.0010	0.0050

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	98	41 - 155
Dibromofluoromethane	101	83 - 118
Toluene-d8 (Surr)	99	87 - 115

Lab Control Spike - Batch: 400-67060

Method: 8260B
Preparation: 5035

Lab Sample ID: LCS 400-67060/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/03/2008 1319
Date Prepared: 04/03/2008 0800

Analysis Batch: 400-67058
Prep Batch: 400-67060
Units: mg/Kg

Instrument ID: GC/MS
Lab File ID: KS367LC8.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0500	0.0514	103	76 - 124	
Toluene	0.0500	0.0503	101	81 - 124	
Ethylbenzene	0.0500	0.0504	101	78 - 130	
Xylenes, Total	0.150	0.156	104	79 - 131	
Methyl tert-butyl ether	0.0500	0.0537	107	70 - 134	

Surrogate	% Rec	Acceptance Limits
4-Bromofluorobenzene	100	41 - 155
Dibromofluoromethane	97	83 - 118
Toluene-d8 (Surr)	102	87 - 115

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Method Blank - Batch: 400-66780

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 400-66780/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/03/2008 1727
Date Prepared: 03/31/2008 0834

Analysis Batch: 400-67190
Prep Batch: 400-66780
Units: mg/Kg

Instrument ID: GC/MSD
Lab File ID: MB66780S.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	MDL	PQL
Acenaphthene	0.050	U	0.050	0.50
Acenaphthylene	0.050	U	0.050	0.50
Anthracene	0.050	U	0.050	0.50
Benzo[a]anthracene	0.050	U	0.050	0.50
Benzo[a]pyrene	0.050	U	0.050	0.50
Benzo[b]fluoranthene	0.050	U	0.050	0.50
Benzo[g,h,i]perylene	0.050	U	0.050	0.50
Benzo[k]fluoranthene	0.050	U	0.050	0.50
Chrysene	0.050	U	0.050	0.50
Dibenz(a,h)anthracene	0.050	U	0.050	0.50
Fluoranthene	0.050	U	0.050	0.50
Fluorene	0.050	U	0.050	0.50
Indeno[1,2,3-cd]pyrene	0.050	U	0.050	0.50
Naphthalene	0.050	U	0.050	0.50
Phenanthrene	0.050	U	0.050	0.50
Pyrene	0.050	U	0.050	0.50
1-Methylnaphthalene	0.050	U	0.050	0.50
2-Methylnaphthalene	0.050	U	0.050	0.50

Surrogate	% Rec		Acceptance Limits
2-Fluorobiphenyl	78		41 - 94
Nitrobenzene-d5	92		22 - 94
Terphenyl-d14	115	J1	53 - 96

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Lab Control Spike - Batch: 400-66780

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 400-66780/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 04/03/2008 1759
Date Prepared: 03/31/2008 0834

Analysis Batch: 400-67190
Prep Batch: 400-66780
Units: mg/Kg

Instrument ID: GC/MSD
Lab File ID: LC66780S.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	1.67	1.14	68	54 - 118	
Acenaphthylene	1.67	1.15	69	58 - 124	
Anthracene	1.67	1.18	71	56 - 120	
Benzo[a]anthracene	1.67	1.31	79	65 - 118	
Benzo[a]pyrene	1.67	1.33	80	66 - 114	
Benzo[b]fluoranthene	1.67	1.19	72	60 - 110	
Benzo[g,h,i]perylene	1.67	1.21	73	47 - 130	
Benzo[k]fluoranthene	1.67	1.49	89	68 - 128	
Chrysene	1.67	1.37	82	66 - 120	
Dibenz(a,h)anthracene	1.67	1.72	103	30 - 177	
Fluoranthene	1.67	1.31	78	69 - 125	
Fluorene	1.67	1.29	77	58 - 124	
Indeno[1,2,3-cd]pyrene	1.67	1.30	78	60 - 117	
Naphthalene	1.67	1.05	63	44 - 112	
Phenanthrene	1.67	1.25	75	63 - 122	
Pyrene	1.67	1.33	80	62 - 124	
1-Methylnaphthalene	1.67	1.12	67	47 - 122	
2-Methylnaphthalene	1.67	1.08	65	48 - 118	
Surrogate			% Rec	Acceptance Limits	
2-Fluorobiphenyl			70	41 - 94	
Nitrobenzene-d5			83	22 - 94	
Terphenyl-d14			83	53 - 96	

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Method Blank - Batch: 400-66778

Method: FL-PRO
Preparation: 3550B

Lab Sample ID: MB 400-66778/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/31/2008 1651
Date Prepared: 03/31/2008 0823

Analysis Batch: 400-66845
Prep Batch: 400-66778
Units: mg/Kg

Instrument ID: GC/FID/FID
Lab File ID: 0701007.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.4 mL
Injection Volume:

Analyte	Result	Qual	MDL	PQL
Total Petroleum Hydrocarbons (C8-C40)	7.0	U	7.0	18

Surrogate	% Rec	Acceptance Limits
n-C39	100	37 - 138
o-Terphenyl	91	50 - 121

Lab Control Spike - Batch: 400-66778

Method: FL-PRO
Preparation: 3550B

Lab Sample ID: LCS 400-66778/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/31/2008 1656
Date Prepared: 03/31/2008 0823

Analysis Batch: 400-66845
Prep Batch: 400-66778
Units: mg/Kg

Instrument ID: GC/FID/FID
Lab File ID: 0801008.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.3 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Petroleum Hydrocarbons (C8-C40)	56.7	48.2	85	50 - 124	

Surrogate	% Rec	Acceptance Limits
n-C39	54	37 - 138
o-Terphenyl	89	50 - 121

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-66778**

**Method: FL-PRO
Preparation: 3550B**

MS Lab Sample ID: 400-29604-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/31/2008 1701
Date Prepared: 03/31/2008 0823

Analysis Batch: 400-66845
Prep Batch: 400-66778

Instrument ID: GC/FID/FID
Lab File ID: 0901009.D
Initial Weight/Volume: 30.19 g
Final Weight/Volume: 1.1 mL
Injection Volume:

MSD Lab Sample ID: 400-29604-1
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 03/31/2008 1705
Date Prepared: 03/31/2008 0823

Analysis Batch: 400-66845
Prep Batch: 400-66778

Instrument ID: GC/FID/FID
Lab File ID: 1001010.D
Initial Weight/Volume: 30.09 g
Final Weight/Volume: 1.5 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Total Petroleum Hydrocarbons (C8-C40)	83	81	11 - 154	2	50		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
n-C39		54	64			37 - 138	
o-Terphenyl		84	81			50 - 121	

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

400-29604

Chain of Custody Record

Lab Report No.:

Company: AEROSTAR		Gulf Coast LabNet, Inc. An Environmental Lab Services Co. Phone: (251) 625-1331 Fax: (251) 625-1299			Modified from DEP Form #: 62-770.900(2)			Page of	
Address: 4640 S. CARROLLTAN AVE. NEW ORLEANS, LA 70119					FDEP Facility No.:			Project Name: NAS PENSACOLA	
Attn: EMILIE WIEN		Phone:			Project No.:			← Preservative	
Sampled by [Print Name]/Affiliation Emilie Wien / AES		Sampler Signature			← Analysis			REQUESTED DUE DATE	
Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Comp.	Matrix Codes	No. Cont.	5035/8021 BTEX/MTBE	I 8270 PAH	II FL-PRO
1	B-12/MW-103	2608	930	G	SD	4	X	X	X
2	B-13/MW-11	↓	1045	G	↓	4	X	X	X
Shipment Method				← Total Number of Containers					
Out: / /	Via:	Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time	
Returned: / /	Via:		EMPTY CONTAINERS	3/25/08	800	[Signature] / AES	3/25/08	800	
Additional Comments 007			[Signature] / AES	3/26/08	1600	[Signature] / GCL	3-26-08	1600	
			[Signature] / GCL	3-27-08	1450	[Signature]	3/27/08	1450	
Cooler No.(s) / Temperature(s) (°C)				Sampling Kit No.		Equipment ID No.			
0.00				7382					
MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify) PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify) CH₃OH + DIH₂O									

Login Sample Receipt Check List

Client: Aerostar Environmental Services, Inc.

Job Number: 400-29604-1

Login Number: 29604

List Source: TestAmerica Pensacola

Creator: Hor, Koma

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	0.0°C
Cooler Temperature is recorded.	True	
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	Per Carl Williams samples were logged in for BTEXM 8260 and not 8021 as listed on the chain of custody.
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	N/A	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

APPENDIX C

Temporary Well Analytical Reports And Chain-of-Custody

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

ATTN: EMILIE WIEN
AEROSTAR
803 GOVERNMENT STREET
SUITE A
MOBILE, AL 36602

Project No: 003543 AEROSTAR, AEROSTAR
Job Name: BLDG 782
Job Id: [REDACTED]

Inv. No: 203900

Collected by: Customer Sampled

Laboratory Sample #	Client Sample #
L243356-1	TW-1
L243356-2	TW-2
L243356-3	TW-3
L243356-4	TW-4
L243356-5	TW-5
L243356-6	TW-6
L243356-7	TW-7
L243356-8	TW-8
L243356-9	TW-9
L243356-10	TW-10

All analyses were performed using EPA, ASTM, NIOSH, USGS, or Standard Methods and certified to meet NELAC requirements.
Flags: ND or U-below MDL; IL-meets internal lab limits;MI-matrix interference; NA-not applicable.
Flags: CFR-Pb/Cu rule; NFL-no free liquids; DRY = dry wt; ASIS = wet wt; C(#) See attached USB code
FLDEP Flags: J(#)-estimated. 1:surr. fail 2:no known QC req. 3:QC fail %R or %RPD; 4:matrix int. 5:improper fld. protocol; L-
exceeds calibration; Q-holding time exceeded;
FLDEP Flags: T-value<MDL; V-present in blank; Y-improper preservation; B-colonies exceed range;I-estimated value;between the MDL
and PQL;
Lab certification IDs: FLDOH/NELAC E86240; NC 444; SC 96031001; IL/NELAC 200020; VA 00395; KS/NELAC E-10360; TN 02985; GA 917;NJ
FL014;PA 68-03756;
Lab IDs: ADEM 40850; USDA Soil Permit# S-35240; The above results relate only to the samples.
EPA 18 is a non-NELAC certifiable parameter.

Genapure Analytical Services, Inc. 3231 NW 7th Avenue Boca Raton, FL 33431 (888)862-5227

Respectfully submitted,



Maria Pacheco
Project Manager
For: Neshmah Castaneda

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-1
 Sample Description TW-1
 Samp. Date/Time/Temp 12/18/07 01:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	0.340 I ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	1.63 ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	U ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	0.590 I ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	71 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	65 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	80 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	1.66 ug/l	1	0.070	1.0	12/19/07	12/19/07 LN
2-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	7.63 ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
ACENAPHTHYLENE	3510/8270	U ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	1.02 ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	1.53 ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	U ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	0.0953 I ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id:

Inv. No: 203900

Sample Number L243356-1
 Sample Description TW-1
 Samp. Date/Time/Temp 12/18/07 01:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	0.198 ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	U ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	U ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	U ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	U ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	U ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY			% Recovery Limits		
NITROBENZENE-D5 (SURR)	3510/8270	70 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	59 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	60 %	1		20-128	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-2
 Sample Description TW-2
 Samp. Date/Time/Temp 12/18/07 01:45pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	U ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	U ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	U ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	72 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	67 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	79 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	0.0700 I ug/l	1	0.070	1.0	12/19/07	12/19/07 LN
2-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
ACENAPHTHYLENE	3510/8270	U ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	0.574 I ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	0.0935 I ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	0.0834 I ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	0.128 I ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-2
 Sample Description TW-2
 Samp. Date/Time/Temp 12/18/07 01:45pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	0.0963 I ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	0.0419 I ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	U ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	0.0503 I ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	0.0341 I ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	U ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	U ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY			% Recovery Limits		
NITROBENZENE-D5 (SURR)	3510/8270	56 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	50 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	63 %	1		20-128	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-3
 Sample Description TW-3
 Samp. Date/Time/Temp 12/18/07 02:00pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	U ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	4.02 ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	U ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	0.390 I ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	70 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	65 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	79 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	31.8 ug/l	10	0.70	10	12/19/07	12/20/07 LN
2-METHYLNAPHTHALENE	3510/8270	0.725 I ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	17.2 ug/l	10	0.32	10	12/19/07	12/20/07 LN
ACENAPHTHYLENE	3510/8270	U ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	0.178 I ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	U ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	U ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	0.0861 I ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR

Inv. No: 203900

Job Name: BLDG 782

Job Id: [REDACTED]

Sample Number L243356-3
 Sample Description TW-3
 Samp. Date/Time/Temp 12/18/07 02:00pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	0.103 ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	0.0475 I ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	U ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	U ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	0.0660 I ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	0.0516 I ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	U ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	U ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY			% Recovery Limits		
NITROBENZENE-D5 (SURR)	3510/8270	69 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	60 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	63 %	1		20-128	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-4
 Sample Description TW-4
 Samp. Date/Time/Temp 12/18/07 02:15pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	U ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	U ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	U ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	72 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	66 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	77 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	0.157 I ug/l	1	0.070	1.0	12/19/07	12/19/07 LN
2-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	0.0854 I ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
ACENAPHTHYLENE	3510/8270	U ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	U ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	0.0383 I ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	0.0605 I ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	0.0749 I ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	0.234 I ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR

Inv. No: 203900

Job Name: BLDG 782

Job Id:

Sample Number L243356-4
 Sample Description TW-4
 Samp. Date/Time/Temp 12/18/07 02:15pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	0.288 ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	0.139 ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	0.193 ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	0.249 ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	0.129 ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	0.186 ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	0.151 ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	0.0373 I ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	0.187 ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY		% Recovery Limits			
NITROBENZENE-D5 (SURR)	3510/8270	38 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	41 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	68 %	1		20-128	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-5
 Sample Description TW-5
 Samp. Date/Time/Temp 12/18/07 02:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	U ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	U ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	U ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	71 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	65 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	80 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	0.0749 I ug/l	1	0.070	1.0	12/19/07	12/19/07 LN
2-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	0.0381 I ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
ACENAPHTHYLENE	3510/8270	U ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	U ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	U ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	U ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	U ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-5
 Sample Description TW-5
 Samp. Date/Time/Temp 12/18/07 02:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	U ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	U ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	U ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	U ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	U ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY		% Recovery Limits			
NITROBENZENE-D5 (SURR)	3510/8270	49 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	48 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	57 %	1		20-128	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-6
 Sample Description TW-6
 Samp. Date/Time/Temp 12/18/07 02:45pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	U ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	U ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	U ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	72 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	64 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	74 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	0.0820 I ug/l	1	0.070	1.0	12/19/07	12/19/07 LN
2-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	0.0404 I ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
ACENAPHTHYLENE	3510/8270	U ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	U ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	U ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	U ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	0.0418 I ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id:

Inv. No: 203900

Sample Number L243356-6
 Sample Description TW-6
 Samp. Date/Time/Temp 12/18/07 02:45pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	0.0334 I ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	U ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	U ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	U ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	U ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY		% Recovery Limits			
NITROBENZENE-D5 (SURR)	3510/8270	61 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	53 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	69 %	1		20-128	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-7
 Sample Description TW-7
 Samp. Date/Time/Temp 12/18/07 03:00pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	U ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	U ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	U ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	70 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	65 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	75 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	U ug/l	1	0.070	1.0	12/19/07	12/19/07 LN
2-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
ACENAPHTHYLENE	3510/8270	U ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	0.138 I ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	U ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	0.0852 I ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	0.0654 I ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	0.129 I ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR

Inv. No: 203900

Job Name: BLDG 782

Job Id:

Sample Number L243356-7
 Sample Description TW-7
 Samp. Date/Time/Temp 12/18/07 03:00pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	0.150 ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	0.0769 I ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	0.0617 I ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	0.104 ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	0.0393 I ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	0.0716 I ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	0.0653 I ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	U ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	0.0857 I ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY			% Recovery Limits		
NITROBENZENE-D5 (SURR)	3510/8270	64 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	51 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	50 %	1		20-128	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-8
 Sample Description TW-8
 Samp. Date/Time/Temp 12/18/07 03:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	U ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	U ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	U ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	72 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	64 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	77 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	U ug/l	1	0.070	1.0	12/19/07	12/19/07 LN
2-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	0.0545 I ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
ACENAPHTHYLENE	3510/8270	0.382 I ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	0.251 I ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	0.489 I ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	2.21 ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	0.375 I ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	4.86 ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR

Inv. No: 203900

Job Name: BLDG 782

Job Id:

Sample Number L243356-8
 Sample Description TW-8
 Samp. Date/Time/Temp 12/18/07 03:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	3.60 ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	1.12 ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	1.72 ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	1.76 ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	1.03 ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	1.12 ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	0.670 ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	0.207 ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	0.641 ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY		% Recovery Limits			
NITROBENZENE-D5 (SURR)	3510/8270	64 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	53 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	59 %	1		20-128	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-9
 Sample Description TW-9
 Samp. Date/Time/Temp 12/18/07 04:00pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	U ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	1.09 ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	1.07 I ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	U ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	72 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	64 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	75 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	U ug/l	1	0.070	1.0	12/19/07	12/19/07 LN
2-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
ACENAPHTHYLENE	3510/8270	U ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	U ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	U ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	U ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	U ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id:

Inv. No: 203900

Sample Number L243356-9
 Sample Description TW-9
 Samp. Date/Time/Temp 12/18/07 04:00pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	U ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	U ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	U ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	U ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	U ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY		% Recovery Limits			
NITROBENZENE-D5 (SURR)	3510/8270	64 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	52 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	52 %	1		20-128	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR
 Job Name: BLDG 782
 Job Id: [REDACTED]

Inv. No: 203900

Sample Number L243356-10
 Sample Description TW-10
 Samp. Date/Time/Temp 12/18/07 04:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled
 Received Temp 4 C Iced (Y/N): Y

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
Volatile Organic Compounds							
METHYL TERTIARY BUTYLETHER	5030/8260	U ug/l	1	0.12	1.0	N/A	12/20/07 MD
BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
TOLUENE	5030/8260	U ug/l	1	0.28	1.0	N/A	12/20/07 MD
CHLOROBENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
ETHYL BENZENE	5030/8260	U ug/l	1	0.31	1.0	N/A	12/20/07 MD
M&P-XYLENES	5030/8260	U ug/l	1	0.77	2.0	N/A	12/20/07 MD
O-XYLENE	5030/8260	U ug/l	1	0.38	1.0	N/A	12/20/07 MD
XYLENES (TOTAL)	5030/8260	U ug/l	1	1.2	3.0	N/A	12/20/07 MD
1,3-DICHLOROBENZENE	5030/8260	U ug/l	1	0.35	1.0	N/A	12/20/07 MD
1,4-DICHLOROBENZENE	5030/8260	U ug/l	1	0.53	1.0	N/A	12/20/07 MD
1,2-DICHLOROBENZENE	5030/8260	U ug/l	1	0.46	1.0	N/A	12/20/07 MD
SURROGATES		% RECOVERY		% Recovery Limits			
DIBROMOFLUOROMETHANE (SURR)	5030/8260	73 %	1		69-134		12/20/07 MD
TOLUENE-D8 (SURR)	5030/8260	64 %	1		63-127		12/20/07 MD
4-BROMOFLUOROBENZENE (SURR)	5030/8260	76 %	1		64-130		12/20/07 MD
BNA Extractable Compounds							
NAPHTHALENE	3510/8270	U ug/l	1	0.070	1.0	12/19/07	12/19/07 LN
2-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.098	1.0	12/19/07	12/19/07 LN
1-METHYLNAPHTHALENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
ACENAPHTHYLENE	3510/8270	U ug/l	1	0.035	1.0	12/19/07	12/19/07 LN
ACENAPHTHENE	3510/8270	U ug/l	1	0.030	1.0	12/19/07	12/19/07 LN
FLUORENE	3510/8270	U ug/l	1	0.037	1.0	12/19/07	12/19/07 LN
PHENANTHRENE	3510/8270	0.0390 I ug/l	1	0.033	1.0	12/19/07	12/19/07 LN
ANTHRACENE	3510/8270	U ug/l	1	0.032	1.0	12/19/07	12/19/07 LN
FLUORANTHENE	3510/8270	0.0501 I ug/l	1	0.041	1.0	12/19/07	12/19/07 LN

ANALYTICAL RESULTS

Printed: 12/24/07 12:22pm

Project No: 003543 AEROSTAR, AEROSTAR

Inv. No: 203900

Job Name: BLDG 782

Job Id:

Sample Number L243356-10
 Sample Description TW-10
 Samp. Date/Time/Temp 12/18/07 04:30pm NA C
 Receive Date 12/19/07
 Sampled by Customer Sampled

Parameter	Method	Result	DIL	MDL	PQL	Prep Date	Test Date, Analyst
PYRENE	3510/8270	0.0499 I ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
BENZO(A)ANTHRACENE	3510/8270	0.0327 I ug/l	1	0.029	0.10	12/19/07	12/19/07 LN
CHRYSENE	3510/8270	U ug/l	1	0.050	0.10	12/19/07	12/19/07 LN
BENZO(B)FLUORANTHENE	3510/8270	U ug/l	1	0.045	0.10	12/19/07	12/19/07 LN
BENZO(K)FLUORANTHENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
BENZO(A)PYRENE	3510/8270	U ug/l	1	0.031	0.10	12/19/07	12/19/07 LN
INDENO(1,2,3-CD)PYRENE	3510/8270	U ug/l	1	0.039	0.10	12/19/07	12/19/07 LN
DIBENZ(A,H)ANTHRACENE	3510/8270	U ug/l	1	0.034	0.20	12/19/07	12/19/07 LN
BENZO(G,H,I)PERYLENE	3510/8270	U ug/l	1	0.048	0.10	12/19/07	12/19/07 LN
SURROGATES		% RECOVERY		% Recovery Limits			
NITROBENZENE-D5 (SURR)	3510/8270	50 %	1		10-112	12/19/07	12/19/07 LN
2-FLUOROBIPHENYL (SURR)	3510/8270	41 %	1		10-116	12/19/07	12/19/07 LN
TERPHENYL-D14 (SURR)	3510/8270	47 %	1		20-128	12/19/07	12/19/07 LN

RUSH REQUEST

Total #of samples:	10	Due date/time:	12/20/2007 1200
Arrival date:	12/19/2007	Courier:	FEDEX
Matrix / qtr:	<input checked="" type="checkbox"/> water GW	<input type="checkbox"/> soil	<input type="checkbox"/> (other)
Analysis:	PAH-LL		
Client:	GCLN		
Project Name:			
Notes/Comments:	Need results by EOB. VERY IMPORTANT		
Submittal date/time:	12/18/2007 1414	Requested by:	Maria Pacheco
Approval date/time:		Approved by:	

1243356

Chain of Custody Record

Lab Report No.:

Company: Decontac	Gulf Coast LabNet, Inc. An Environmental Lab Services Co.	Modified from DEP Form # 62-770-000(2)	Page 2 of 2
Address: 4640 S Carrollton Ave NO, LA 70119	Phone: (251) 625-1331 Fax: (251) 625-1299	FDEP Facility No.:	Project Name: Bldg 782 Location: Pensacola, FL Project No.:

Item No.	Field ID No.	Sampled		Grab or Comp.	Matrix Codes	No. Cont.	CUSTODY SEALS Y/N PH CONTROL	PRESERVATIVE	ANALYSIS	REQUESTED DUE DATE
		Date	Time							
1	TW-1	12/18/07	1330	GW	3	3	X	X		* 24-hr @ VOM ON PAH'S only
2	TW-2		1345		3	3	X	X		
3	TW-3		1400		3	3	X	X		
4	TW-4		1415		3	3	X	X		
5	TW-5		1430		3	3	X	X		
6	TW-6		1445		3	3	X	X		
7	TW-7		1500		3	3	X	X		
8	TW-8		1530		3	3	X	X		
9	TW-9		1600		3	3	X	X		

Shipment Method	27	Total Number of Containers	OK					
Out: / /	Via:	Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via:			12/18/07	1700		12-18-07	1700
Additional Comments			FedEx gdm.	12-18-07	1800	FedEx gdm.	12-18-07	1800
						W/Phone UP	12-14/07	10:25
Cooler No.(s) / Temperature(s) (°C)				Sampling Kit No.		Equipment ID No.		

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

Chain of Custody Record

Lab Report No.:

Company: Aerostar	Gulf Coast LabNet, Inc. An Environmental Lab Services Co.	Modified from DEP Form #: 62-770.900(2)	Page 2 of 2
Address:	Phone: (251) 625-1331 Fax: (251) 625-1299	Project Name: Bldg 752	FDEP Facility No.:
		Location: Pensacola, FL	Project No.:

Attn:		Phone:								← Preservative		
		Fax:								← Analysis		
Sampled by Print Name /Affiliation [Signature]				Sampler Signature [Signature]				REQUESTED DUE DATE				
Item No.	Field ID No.	Sampled		Grab or Comp.	Matrix Codes	No. Cont.	PAT'S	VOC'S	②V	①M2	Remarks	Lab. No.
		Date	Time									
10	TW-10 10-11	12/18/07	1630		GW	3	X	X			24 hr on PAT'S only	

Shipment Method		3 ← Total Number of Containers						
Out: / /	Via:	Retn #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
Returned: / /	Via:		[Signature]	12/18/07	1700	[Signature]	12-18-07	1700
Additional Comments			FedEx J.D.M.	12-18-07	1800	FedEx J.D.M.	12-18-07	1800
Cooler No.(s) / Temperature(s) (°C)				Sampling Kit No.		Equipment ID No.		

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)

PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

ANALYTICAL REPORT

Job Number: 400-27404-1

Job Description: NAS Pensacola - Site 782 - Pensacola, FL

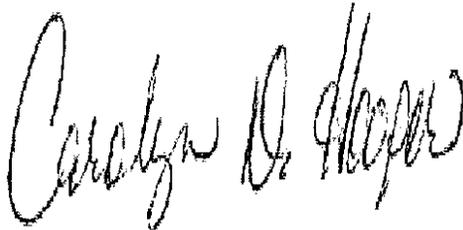
For:

Aerostar Environmental Services, Inc.

4640 S. Carrolltan Avenue

New Orleans, LA 70119

Attention: Emilie Wien



Carolyn Hooper

Project Manager I

carolyn.hooper@testamericainc.com

03/11/2008

Revision: 1

cc: Ms. Dawn Hudson
Mr. Danny Miller
Mr. Carl D Williams

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced except in full, and with written approval from the laboratory. TestAmerica Pensacola Certifications and Approvals: Alabama (#40150), Arizona (#AZ0589), Arkansas (#88-0689), California (#2510), Florida (#E81010), Florida CQAP (#980156), Illinois (#200041), Iowa (#367), Kansas (#E10253), Kentucky UST (#0053), Louisiana (#30748), Maryland (#233), Massachusetts (#M-FL094), Michigan (#9912), New Hampshire (#250502), New Jersey (#FL006), North Carolina (#314), North Dakota (#R-108), Oklahoma (#9810), Pennsylvania (#68-467), South Carolina (#96026), Tennessee (#02907), Virginia (#00008), West Virginia (#136), USDA Foreign Soil Permit (#S-37599).

TestAmerica Laboratories, Inc.

TestAmerica Pensacola 3355 McLemore Drive, Pensacola, FL 32514

Tel (850) 474-1001 Fax (850) 478-2671 www.testamericainc.com



SAMPLE SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Lab Sample ID	Client Sample ID	Client Matrix	Date/Time Sampled	Date/Time Received
400-27404-1	TW-11	Water	12/21/2007 1000	12/21/2007 1500
400-27404-2	B-11 (4-6)	Solid	12/21/2007 0930	12/21/2007 1500

EXECUTIVE SUMMARY - Detections

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
400-27404-2 Percent Solids	B-11 (4-6)	89	0.10	Percent	PercentMoisture

SAMPLE RESULTS

Emilie Wien
Aerostar Environmental Services, Inc.
4640 S. Carrolltan Avenue
New Orleans, LA 70119

Job Number: 400-27404-1

Client Sample ID: TW-11
Lab Sample ID: 400-27404-1

Date Sampled: 12/21/2007 1000
Date Received: 12/21/2007 1500
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 12/27/2007 1849		
Prep Method: 3520C			Date Prepared: 12/22/2007 0838		
Acenaphthene	0.19 U	ug/L	0.19	9.7	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.7	1.0
Anthracene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.7	1.0
Chrysene	0.19 U	ug/L	0.19	9.7	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.7	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.7	1.0
Fluorene	0.19 U	ug/L	0.19	9.7	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.7	1.0
Naphthalene	0.49 U	ug/L	0.49	9.7	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.7	1.0
Pyrene	0.49 U	ug/L	0.49	9.7	1.0
1-Methylnaphthalene	0.97 U	ug/L	0.97	9.7	1.0
2-Methylnaphthalene	0.19 U	ug/L	0.19	9.7	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	58	%	40 - 100		
Nitrobenzene-d5	52	%	33 - 92		
Terphenyl-d14	82	%	58 - 114		
Method: 8021B			Date Analyzed: 12/28/2007 1219		
Prep Method: 5030B			Date Prepared: 12/28/2007 1219		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.0 U	ug/L	1.0	2.0	1.0
Naphthalene	1.0 U	ug/L	1.0	5.0	1.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	98	%	76 - 124		

DATA REPORTING QUALIFIERS

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Lab Section	Qualifier	Description
GC/MS Semi VOA	U	Indicates that the compound was analyzed for but not detected.
GC VOA	U	Indicates that the compound was analyzed for but not detected.

Job Narrative
400-J27404-1

Receipt

All samples were received in good condition within temperature requirements.

Organic Prep

Method(s) 3520C: Batch 61453 / 8270 Insufficient sample volume was provided to meet method-mandated requirements for matrix spike/matrix spike duplicate (MS/MSD) analyses.

No other analytical or quality issues were noted.

METHOD / ANALYST SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Method	Analyst	Analyst ID
SW846 8270C	Schumann, Jane	JS
SW846 8021B	Lee, Jefferson	JL
SW846 8021B	Potts, Charles	CP
EPA PercentMoisture	Chea, Vanda	VC

QUALITY CONTROL RESULTS

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 400-61449					
LCS 400-61449/20-A	Lab Control Spike	T	Solid	3550B	
MB 400-61449/21-A	Method Blank	T	Solid	3550B	
400-27404-2	B-11 (4-6)	T	Solid	3550B	
400-27407-I-2-D MS	Matrix Spike	T	Solid	3550B	
400-27407-I-2-E MSD	Matrix Spike Duplicate	T	Solid	3550B	
Prep Batch: 400-61453					
LCS 400-61453/9-A	Lab Control Spike	T	Water	3520C	
MB 400-61453/10-A	Method Blank	T	Water	3520C	
400-27404-1	TW-11	T	Water	3520C	
Analysis Batch:400-61817					
LCS 400-61449/20-A	Lab Control Spike	T	Solid	8270C	400-61449
MB 400-61449/21-A	Method Blank	T	Solid	8270C	400-61449
400-27404-2	B-11 (4-6)	T	Solid	8270C	400-61449
400-27407-I-2-D MS	Matrix Spike	T	Solid	8270C	400-61449
400-27407-I-2-E MSD	Matrix Spike Duplicate	T	Solid	8270C	400-61449
Analysis Batch:400-61935					
LCS 400-61453/9-A	Lab Control Spike	T	Water	8270C	400-61453
MB 400-61453/10-A	Method Blank	T	Water	8270C	400-61453
400-27404-1	TW-11	T	Water	8270C	400-61453

Report Basis

T = Total

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:400-61875					
LCS 400-61875/1	Lab Control Spike	T	Water	8021B	
MB 400-61875/2	Method Blank	T	Water	8021B	
400-27346-B-2 MS	Matrix Spike	T	Water	8021B	
400-27346-C-2 MSD	Matrix Spike Duplicate	T	Water	8021B	
400-27404-1	TW-11	T	Water	8021B	
Analysis Batch:400-62160					
LCS 400-62161/2-A	Lab Control Spike	T	Solid	8021B	400-62161
MB 400-62161/1-A	Method Blank	T	Solid	8021B	400-62161
400-27404-2	B-11 (4-6)	T	Solid	8021B	400-62161
400-27500-A-4-C MS	Matrix Spike	T	Solid	8021B	400-62161
400-27500-A-4-D MSD	Matrix Spike Duplicate	T	Solid	8021B	400-62161
Prep Batch: 400-62161					
LCS 400-62161/2-A	Lab Control Spike	T	Solid	5035	
MB 400-62161/1-A	Method Blank	T	Solid	5035	
400-27404-2	B-11 (4-6)	T	Solid	5035	
400-27500-A-4-C MS	Matrix Spike	T	Solid	5035	
400-27500-A-4-D MSD	Matrix Spike Duplicate	T	Solid	5035	

Report Basis

T = Total

General Chemistry

Analysis Batch:400-61617

400-27404-2	B-11 (4-6)	T	Solid	PercentMoisture	
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Report Basis

T = Total

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Surrogate Recovery Report

8021B Volatile Organics by 8021B (BTEX)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	TFT1 %Rec
400-27404-2	B-11 (4-6)	110
MB 400-62161/1-A		102
LCS 400-62161/2-A		111
400-27500-A-4-C MS		104
400-27500-A-4-D MSD		106

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene (pid)	62-134

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Surrogate Recovery Report

8021B Volatile Organics by 8021B (BTEX)

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec
400-27404-1	TW-11	98
MB 400-61875/2		101
LCS 400-61875/1		101
400-27346-B-2 MS		98
400-27346-C-2 MSD		99

Surrogate	Acceptance Limits
TFT = a,a,a-Trifluorotoluene (pid)	76-124

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Solid

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
400-27404-2	B-11 (4-6)	78	69	78
MB 400-61449/21-A		86	78	85
LCS 400-61449/20-A		83	76	80
400-27407-I-2-D MS		80	74	77
400-27407-I-2-E MSD		76	70	72

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	41-94
NBZ = Nitrobenzene-d5	22-94
TPH = Terphenyl-d14	53-96

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
400-27404-1	TW-11	58	52	82
MB 400-61453/10-A		74	67	82
LCS 400-61453/9-A		77	71	83

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	40-100
NBZ = Nitrobenzene-d5	33-92
TPH = Terphenyl-d14	58-114

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Method Blank - Batch: 400-61449

Method: 8270C
Preparation: 3550B

Lab Sample ID: MB 400-61449/21-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/26/2007 1234
Date Prepared: 12/22/2007 0715

Analysis Batch: 400-61817
Prep Batch: 400-61449
Units: mg/Kg

Instrument ID: GC/MSD
Lab File ID: MB61449S.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	MDL	PQL
Acenaphthene	0.050	U	0.050	0.50
Acenaphthylene	0.050	U	0.050	0.50
Anthracene	0.050	U	0.050	0.50
Benzo[a]anthracene	0.050	U	0.050	0.50
Benzo[a]pyrene	0.050	U	0.050	0.50
Benzo[b]fluoranthene	0.050	U	0.050	0.50
Benzo[g,h,i]perylene	0.050	U	0.050	0.50
Benzo[k]fluoranthene	0.050	U	0.050	0.50
Chrysene	0.050	U	0.050	0.50
Dibenz(a,h)anthracene	0.050	U	0.050	0.50
Fluoranthene	0.050	U	0.050	0.50
Fluorene	0.050	U	0.050	0.50
Indeno[1,2,3-cd]pyrene	0.050	U	0.050	0.50
Naphthalene	0.050	U	0.050	0.50
Phenanthrene	0.050	U	0.050	0.50
Pyrene	0.050	U	0.050	0.50
1-Methylnaphthalene	0.050	U	0.050	0.50
2-Methylnaphthalene	0.050	U	0.050	0.50

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	86	41 - 94
Nitrobenzene-d5	78	22 - 94
Terphenyl-d14	85	53 - 96

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Lab Control Spike - Batch: 400-61449

Method: 8270C
Preparation: 3550B

Lab Sample ID: LCS 400-61449/20-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/26/2007 1302
Date Prepared: 12/22/2007 0715

Analysis Batch: 400-61817
Prep Batch: 400-61449
Units: mg/Kg

Instrument ID: GC/MSD
Lab File ID: LC61449S.D
Initial Weight/Volume: 30.00 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	1.67	1.39	83	54 - 118	
Acenaphthylene	1.67	1.35	81	58 - 124	
Anthracene	1.67	1.41	84	56 - 120	
Benzo[a]anthracene	1.67	1.39	84	65 - 118	
Benzo[a]pyrene	1.67	1.48	89	66 - 114	
Benzo[b]fluoranthene	1.67	1.33	80	60 - 110	
Benzo[g,h,i]perylene	1.67	1.51	91	47 - 130	
Benzo[k]fluoranthene	1.67	1.54	93	68 - 128	
Chrysene	1.67	1.43	86	66 - 120	
Dibenz(a,h)anthracene	1.67	2.09	126	30 - 177	
Fluoranthene	1.67	1.59	96	69 - 125	
Fluorene	1.67	1.55	93	58 - 124	
Indeno[1,2,3-cd]pyrene	1.67	1.53	92	60 - 117	
Naphthalene	1.67	1.32	79	44 - 112	
Phenanthrene	1.67	1.39	83	63 - 122	
Pyrene	1.67	1.39	83	62 - 124	
1-Methylnaphthalene	1.67	1.43	86	47 - 122	
2-Methylnaphthalene	1.67	1.36	81	48 - 118	
Surrogate		% Rec		Acceptance Limits	
2-Fluorobiphenyl		83		41 - 94	
Nitrobenzene-d5		76		22 - 94	
Terphenyl-d14		80		53 - 96	

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-61449**

**Method: 8270C
Preparation: 3550B**

MS Lab Sample ID: 400-27407-I-2-D MS Analysis Batch: 400-61817
Client Matrix: Solid Prep Batch: 400-61449
Dilution: 1.0
Date Analyzed: 12/26/2007 1330
Date Prepared: 12/22/2007 0715

Instrument ID: GC/MSD
Lab File ID: MS61449S.D
Initial Weight/Volume: 30.20 g
Final Weight/Volume: 1.0 mL
Injection Volume:

MSD Lab Sample ID: 400-27407-I-2-E MSD Analysis Batch: 400-61817
Client Matrix: Solid Prep Batch: 400-61449
Dilution: 1.0
Date Analyzed: 12/26/2007 1358
Date Prepared: 12/22/2007 0715

Instrument ID: GC/MSD
Lab File ID: MD61449S.D
Initial Weight/Volume: 30.08 g
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthene	83	79	46 - 110	5	24		
Acenaphthylene	80	77	49 - 114	4	24		
Anthracene	83	81	53 - 105	2	23		
Benzo[a]anthracene	80	78	57 - 110	1	20		
Benzo[a]pyrene	82	82	55 - 104	0	21		
Benzo[b]fluoranthene	76	74	49 - 105	2	24		
Benzo[g,h,i]perylene	88	86	41 - 119	2	26		
Benzo[k]fluoranthene	90	87	58 - 116	3	23		
Chrysene	83	81	56 - 113	2	21		
Dibenz(a,h)anthracene	121	118	29 - 159	2	25		
Fluoranthene	97	90	59 - 116	7	24		
Fluorene	94	89	51 - 113	4	24		
Indeno[1,2,3-cd]pyrene	88	86	52 - 107	2	24		
Naphthalene	79	75	40 - 100	4	28		
Phenanthrene	84	80	52 - 115	4	20		
Pyrene	80	78	51 - 120	2	21		
1-Methylnaphthalene	87	82	43 - 107	5	26		
2-Methylnaphthalene	83	79	43 - 105	5	28		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
2-Fluorobiphenyl		80	76			41 - 94	
Nitrobenzene-d5		74	70			22 - 94	
Terphenyl-d14		77	72			53 - 96	

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Method Blank - Batch: 400-61453

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 400-61453/10-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/27/2007 1753
Date Prepared: 12/22/2007 0838

Analysis Batch: 400-61935
Prep Batch: 400-61453
Units: ug/L

Instrument ID: GC/MSD
Lab File ID: MB61453W.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	MDL	PQL
Acenaphthene	0.20	U	0.20	10
Acenaphthylene	0.20	U	0.20	10
Anthracene	0.20	U	0.20	10
Benzo[a]anthracene	0.20	U	0.20	10
Benzo[a]pyrene	0.20	U	0.20	10
Benzo[b]fluoranthene	0.20	U	0.20	10
Benzo[g,h,i]perylene	0.20	U	0.20	10
Benzo[k]fluoranthene	0.20	U	0.20	10
Chrysene	0.20	U	0.20	10
Dibenz(a,h)anthracene	0.20	U	0.20	10
Fluoranthene	0.20	U	0.20	10
Fluorene	0.20	U	0.20	10
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	10
Naphthalene	0.50	U	0.50	10
Phenanthrene	0.20	U	0.20	10
Pyrene	0.50	U	0.50	10
1-Methylnaphthalene	1.0	U	1.0	10
2-Methylnaphthalene	0.20	U	0.20	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	74	40 - 100
Nitrobenzene-d5	67	33 - 92
Terphenyl-d14	82	58 - 114

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Lab Control Spike - Batch: 400-61453

Method: 8270C
Preparation: 3520C

Lab Sample ID: LCS 400-61453/9-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/27/2007 1821
Date Prepared: 12/22/2007 0838

Analysis Batch: 400-61935
Prep Batch: 400-61453
Units: ug/L

Instrument ID: GC/MSD
Lab File ID: LC61453W.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	50.0	40.6	81	57 - 120	
Acenaphthylene	50.0	39.1	78	59 - 126	
Anthracene	50.0	43.5	87	66 - 112	
Benzo[a]anthracene	50.0	42.7	85	65 - 119	
Benzo[a]pyrene	50.0	44.7	89	62 - 113	
Benzo[b]fluoranthene	50.0	40.6	81	59 - 112	
Benzo[g,h,i]perylene	50.0	47.5	95	55 - 119	
Benzo[k]fluoranthene	50.0	49.4	99	64 - 132	
Chrysene	50.0	43.8	88	65 - 121	
Dibenz(a,h)anthracene	50.0	66.1	132	26 - 183	
Fluoranthene	50.0	49.6	99	70 - 121	
Fluorene	50.0	48.3	97	66 - 120	
Indeno[1,2,3-cd]pyrene	50.0	47.9	96	57 - 116	
Naphthalene	50.0	34.6	69	45 - 114	
Phenanthrene	50.0	44.1	88	66 - 121	
Pyrene	50.0	42.5	85	64 - 124	
1-Methylnaphthalene	50.0	39.8	80	51 - 121	
2-Methylnaphthalene	50.0	37.5	75	51 - 119	
Surrogate		% Rec		Acceptance Limits	
2-Fluorobiphenyl		77		40 - 100	
Nitrobenzene-d5		71		33 - 92	
Terphenyl-d14		83		58 - 114	

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Method Blank - Batch: 400-61875

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 400-61875/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/28/2007 0316
Date Prepared: 12/28/2007 0316

Analysis Batch: 400-61875
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/PID
Lab File ID: M122722.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Benzene	0.40	U	0.40	1.0
Toluene	1.0	U	1.0	5.0
Ethylbenzene	1.0	U	1.0	2.0
Xylenes, Total	1.0	U	1.0	2.0
Methyl tert-butyl ether	1.0	U	1.0	2.0
Naphthalene	1.0	U	1.0	5.0

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (pid)	101	76 - 124

Lab Control Spike - Batch: 400-61875

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 400-61875/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 12/28/2007 0244
Date Prepared: 12/28/2007 0244

Analysis Batch: 400-61875
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/PID
Lab File ID: M122721.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	47.9	96	81 - 120	
Toluene	50.0	50.3	101	84 - 118	
Ethylbenzene	50.0	48.8	98	83 - 119	
Xylenes, Total	150	145	97	84 - 118	
Methyl tert-butyl ether	100	105	105	71 - 128	
Naphthalene	50.0	54.0	108	55 - 139	

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (pid)	101	76 - 124

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-61875**

**Method: 8021B
Preparation: 5030B**

MS Lab Sample ID: 400-27346-B-2 MS Analysis Batch: 400-61875
Client Matrix: Water Prep Batch: N/A
Dilution: 1.0
Date Analyzed: 12/29/2007 1125
Date Prepared: 12/29/2007 1125

Instrument ID: GC/PID
Lab File ID: M122905.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 400-27346-C-2 MSD Analysis Batch: 400-61875
Client Matrix: Water Prep Batch: N/A
Dilution: 1.0
Date Analyzed: 12/29/2007 1156
Date Prepared: 12/29/2007 1156

Instrument ID: GC/PID
Lab File ID: M122906.D
Initial Weight/Volume: 5 mL
Final Weight/Volume: 5 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	91	94	78 - 125	4	14		
Toluene	97	99	71 - 135	2	20		
Ethylbenzene	95	97	80 - 127	2	13		
Xylenes, Total	93	95	79 - 126	2	13		
Methyl tert-butyl ether	96	98	64 - 138	2	24		
Naphthalene	94	95	54 - 162	1	26		

Surrogate	MS % Rec	MSD % Rec	Acceptance Limits
a,a,a-Trifluorotoluene (pid)	98	99	76 - 124

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Method Blank - Batch: 400-62161

Method: 8021B
Preparation: 5035

Lab Sample ID: MB 400-62161/1-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/31/2007 0912
Date Prepared: 12/31/2007 0725

Analysis Batch: 400-62160
Prep Batch: 400-62161
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: B123101.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Benzene	0.00060	U	0.00060	0.0010
Toluene	0.0020	U	0.0020	0.010
Ethylbenzene	0.0020	U	0.0020	0.0050
Xylenes, Total	0.0020	U	0.0020	0.0040
Methyl tert-butyl ether	0.0020	U	0.0020	0.0050
Naphthalene	0.0020	U	0.0020	0.0050

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (pid)	102	62 - 134

Lab Control Spike - Batch: 400-62161

Method: 8021B
Preparation: 5035

Lab Sample ID: LCS 400-62161/2-A
Client Matrix: Solid
Dilution: 1.0
Date Analyzed: 12/31/2007 0725
Date Prepared: 12/31/2007 0725

Analysis Batch: 400-62160
Prep Batch: 400-62161
Units: mg/Kg

Instrument ID: GC/PID/FID
Lab File ID: B123022.D
Initial Weight/Volume: 5 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	0.0500	0.0504	101	75 - 124	
Toluene	0.0500	0.0515	103	74 - 129	
Ethylbenzene	0.0500	0.0542	108	81 - 124	
Xylenes, Total	0.150	0.162	108	79 - 126	
Methyl tert-butyl ether	0.100	0.124	124	66 - 130	
Naphthalene	0.0500	0.0463	93	43 - 162	

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (pid)	111	62 - 134

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-62161**

**Method: 8021B
Preparation: 5035**

MS Lab Sample ID: 400-27500-A-4-C MS Analysis Batch: 400-62160
Client Matrix: Solid Prep Batch: 400-62161
Dilution: 1.0
Date Analyzed: 01/04/2008 1417
Date Prepared: 12/31/2007 0725

Instrument ID: GC/PID/FID
Lab File ID: B010404.D
Initial Weight/Volume: 4.99 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 400-27500-A-4-D MSD Analysis Batch: 400-62160
Client Matrix: Solid Prep Batch: 400-62161
Dilution: 1.0
Date Analyzed: 01/04/2008 1516
Date Prepared: 12/31/2007 0725

Instrument ID: GC/PID/FID
Lab File ID: B010405.D
Initial Weight/Volume: 5.02 g
Final Weight/Volume: 5 g
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	83	77	59 - 131	9	27		
Toluene	85	75	47 - 143	13	23		
Ethylbenzene	71	63	40 - 158	12	34		
Xylenes, Total	75	68	51 - 147	11	31		
Methyl tert-butyl ether	83	83	58 - 134	0	29		
Naphthalene	65	115	25 - 182	26	39		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
a,a,a-Trifluorotoluene (pid)		104	106			62 - 134	

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

Login Sample Receipt Check List

Client: Aerostar Environmental Services, Inc.

Job Number: 400-27404-1

Login Number: 27404
Creator: Hooper, Carolyn
List Number: 1

List Source: TestAmerica Pensacola

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	N/A	
The cooler or samples do not appear to have been compromised or tampered with.	N/A	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.0°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	False	
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	

APPENDIX D

Groundwater Sampling Logs

**State of Florida, Department of Environmental Protection
GROUNDWATER SAMPLING LOG**

SITE NAME: NAS Pensacola		SITE LOCATION: Building 782	
WELL NO: MW-1	SAMPLE ID: MW-1	DATE: 2/18/08	

PURGING DATA

WELL DIAMETER (in): 2		TOTAL WELL DEPTH (ft): 14.0		STATIC DEPTH TO WATER (ft): 6.27		WELL CAPACITY (gal/ft): 0.16					
$1 \text{ WELL VOLUME (gal)} = (\text{TOTAL WELL DEPTH} - \text{DEPTH TO WATER}) \times \text{WELL CAPACITY} =$ $= (14.00 \quad - \quad 6.27 \quad) \times 0.16 \quad = \quad 1.67$											
PURGE METHOD: Peristaltic Pump			PURGE INITIATED AT: 955			PURGE ENDED AT: 1018		TOTAL VOL. PURGED (gal): 1.80			
TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1012	1.20	1.20	0.10	6.30	6.82	20.3	359	5.80	3.90	Clear	None
1015	0.30	1.50	0.10	6.31	6.82	20.3	359	5.70	2.30	Clear	None
1018	0.30	1.80	0.10	6.31	6.81	20.3	365	5.70	2.60	Clear	None
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

SAMPLING DATA

SAMPLED BY (PRINT) / Curtis Mills AFFILIATION: AEROSTAR				SAMPLER(S) SIGNATURE(S)			
SAMPLING METHOD(S): Peristaltic Pump				SAMPLING INITIATED AT: 1021		SAMPLING ENDED AT: 1024	
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N		DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH		
1	CG	40 mL	HCL/ Ice	Pre-preserved		8260	
2	AG	1 L	Ice	--		8270	
3	AG	1 l	H2SO4	Pre-preserved		FL-PRO	
REMARKS: Duplicate Collected							
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)							

**State of Florida, Department of Environmental Protection
GROUNDWATER SAMPLING LOG**

SITE NAME: NAS Pensacola		SITE LOCATION: Building 782	
WELL NO: MW-2	SAMPLE ID: MW-2	DATE: 2/18/08	

PURGING DATA

WELL DIAMETER (in): 2		TOTAL WELL DEPTH (ft): 14.15		STATIC DEPTH TO WATER (ft): 7.46		WELL CAPACITY (gal/ft): 0.16					
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =											
= (14.15 – 7.46) X 0.16 = 1.00											
PURGE METHOD: Peristaltic Pump			PURGE INITIATED AT: 1144			PURGE ENDED AT: 1204		TOTAL VOL. PURGED (gal): 1.90			
TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1154	1.00	1.00	0.10	7.48	6.80	20.4	453	1.50	3.28	Clear	None
1158	0.30	1.30	0.10	7.48	6.80	20.4	453	1.40	3.13	Clear	None
1201	0.30	1.60	0.10	7.49	6.81	20.5	448	1.60	2.70	Clear	None
1204	0.30	1.90	0.10	7.50	6.81	20.4	449	1.41	2.68	Clear	None
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

SAMPLING DATA

SAMPLED BY (PRINT) / Curtis Mills AFFILIATION: AEROSTAR				SAMPLER(S) SIGNATURE(S)			
SAMPLING METHOD(S): Peristaltic Pump				SAMPLING INITIATED AT: 1205		SAMPLING ENDED AT: 1210	
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N		DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH		
1	CG	40 mL	HCL/ Ice	Pre-preserved		8260	
2	AG	1 L	Ice	--		8270	
3	AG	1 l	H2SO4	Pre-preserved		FL-PRO	
REMARKS:							
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)							

**State of Florida, Department of Environmental Protection
GROUNDWATER SAMPLING LOG**

SITE NAME: NAS Pensacola		SITE LOCATION: Building 782	
WELL NO: MW-3	SAMPLE ID: MW-3	DATE: 2/18/08	

PURGING DATA

WELL DIAMETER (in): 2		TOTAL WELL DEPTH (ft): 13.80		STATIC DEPTH TO WATER (ft): 7.47		WELL CAPACITY (gal/ft): 0.16					
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =											
= (13.80 – 7.47) X 0.16 = 1.00											
PURGE METHOD: Peristaltic Pump			PURGE INITIATED AT: 1343			PURGE ENDED AT: 1359		TOTAL VOL. PURGED (gal): 1.60			
TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1353	1.00	1.00	0.10	7.50	8.16	19.0	652	7.50	4.25	Clear	None
1356	0.30	1.30	0.10	7.50	8.16	19.0	653	7.90	3.38	Clear	None
1359	0.30	1.60	0.10	7.51	8.15	19.0	652	7.80	3.31	Clear	None
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

SAMPLING DATA

SAMPLED BY (PRINT) / Curtis Mills AFFILIATION: AEROSTAR				SAMPLER(S) SIGNATURE(S)			
SAMPLING METHOD(S): Peristaltic Pump				SAMPLING INITIATED AT: 1400		SAMPLING ENDED AT: 1405	
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N		DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH		
1	CG	40 mL	HCL/ Ice	Pre-preserved		8260	
2	AG	1 L	Ice	--		8270	
3	AG	1 l	H2SO4	Pre-preserved		FL-PRO	
REMARKS: MS and MSD Collected from MW3							
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)							

**State of Florida, Department of Environmental Protection
GROUNDWATER SAMPLING LOG**

SITE NAME: NAS Pensacola		SITE LOCATION: Building 782	
WELL NO: MW-5	SAMPLE ID: MW-5	DATE: 2/18/08	

PURGING DATA

WELL DIAMETER (in): 2		TOTAL WELL DEPTH (ft): 14.15		STATIC DEPTH TO WATER (ft): 6.00		WELL CAPACITY (gal/ft): 0.16					
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =											
= (14.15 – 6.00) X 0.16 = 1.30											
PURGE METHOD: Peristaltic Pump			PURGE INITIATED AT: 1452			PURGE ENDED AT: 1511		TOTAL VOL. PURGED (gal): 1.90			
TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1505	1.30	1.30	0.10	6.01	7.36	19.4	512	6.6	8.88	Clear	None
1508	0.30	1.60	0.10	6.01	7.35	19.4	510	6.6	8.80	Clear	None
1511	0.30	1.90	0.10	6.02	7.38	19.4	510	6.7	8.75	Clear	None
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

SAMPLING DATA

SAMPLED BY (PRINT) / Curtis Mills AFFILIATION: AEROSTAR				SAMPLER(S) SIGNATURE(S)			
SAMPLING METHOD(S): Peristaltic Pump				SAMPLING INITIATED AT: 1512		SAMPLING ENDED AT: 1515	
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N		DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH		
1	CG	40 mL	HCL/ Ice	Pre-preserved		8260	
2	AG	1 L	Ice	--		8270	
3	AG	1 l	H2SO4	Pre-preserved		FL-PRO	
REMARKS:							
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)							

**State of Florida, Department of Environmental Protection
GROUNDWATER SAMPLING LOG**

SITE NAME: NAS Pensacola		SITE LOCATION: Building 782	
WELL NO: MW-7	SAMPLE ID: MW-7	DATE: 2/18/08	

PURGING DATA

WELL DIAMETER (in): 2		TOTAL WELL DEPTH (ft): 14.10		STATIC DEPTH TO WATER (ft): 4.85		WELL CAPACITY (gal/ft): 0.16					
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH - DEPTH TO WATER) X WELL CAPACITY =											
= (14.10 - 4.85) X 0.16 = 1.50											
PURGE METHOD: Peristaltic Pump			PURGE INITIATED AT: 1729			PURGE ENDED AT: 1750		TOTAL VOL. PURGED (gal): 2.00			
TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1744	1.50	1.50	0.08	4.87	7.51	19.9	374	1.14	2.00	Clear	None
1747	0.25	1.75	0.08	4.86	7.43	19.9	374	1.10	2.00	Clear	None
1750	0.25	2.00	0.08	4.87	7.49	19.9	375	1.10	2.00	Clear	None
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

SAMPLING DATA

SAMPLED BY (PRINT) / Chris Whitehead				SAMPLER(S)			
AFFILIATION: AEROSTAR				SIGNATURE(S)			
SAMPLING METHOD(S): Peristaltic Pump				SAMPLING INITIATED AT: 1752		SAMPLING ENDED AT: 1759	
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N		DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH		
1	CG	40 mL	HCL/ Ice	Pre-preserved		8260	
2	AG	1 L	Ice	--		8270	
3	AG	1 l	H2SO4	Pre-preserved		FL-PRO	
REMARKS:							
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)							

**State of Florida, Department of Environmental Protection
GROUNDWATER SAMPLING LOG**

SITE NAME: NAS Pensacola		SITE LOCATION: Building 782	
WELL NO: MW-9	SAMPLE ID: MW-9	DATE: 2/18/08	

PURGING DATA

WELL DIAMETER (in): 2		TOTAL WELL DEPTH (ft): 14.45		STATIC DEPTH TO WATER (ft): 4.92		WELL CAPACITY (gal/ft): 0.16					
$1 \text{ WELL VOLUME (gal)} = (\text{TOTAL WELL DEPTH} - \text{DEPTH TO WATER}) \times \text{WELL CAPACITY} =$ $= (14.45 - 4.92) \times 0.16 = 1.50$											
PURGE METHOD: Peristaltic Pump			PURGE INITIATED AT: 1613		PURGE ENDED AT: 1634			TOTAL VOL. PURGED (gal): 2.10			
TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1628	1.50	1.50	0.10	4.93	6.72	18.4	377	14.3	4.54	Clear	None
1631	0.30	1.80	0.10	4.94	6.73	18.4	379	14.7	4.52	Clear	None
1634	0.30	2.10	0.10	4.95	6.73	18.5	380	14.6	4.55	Clear	None
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

SAMPLING DATA

SAMPLED BY (PRINT) / Chris Whitehead				SAMPLER(S)			
AFFILIATION: AEROSTAR				SIGNATURE(S)			
SAMPLING METHOD(S): Peristaltic Pump				SAMPLING INITIATED AT: 1635		SAMPLING ENDED AT: 1640	
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N		DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH		
1	CG	40 mL	HCL/ Ice	Pre-preserved		8260	
2	AG	1 L	Ice	--		8270	
3	AG	1 l	H2SO4	Pre-preserved		FL-PRO	
REMARKS:							
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)							

**State of Florida, Department of Environmental Protection
GROUNDWATER SAMPLING LOG**

SITE NAME: NAS Pensacola		SITE LOCATION: Building 782	
WELL NO: DMW-1	SAMPLE ID: DMW-1	DATE: 2/18/08	

PURGING DATA

WELL DIAMETER (in): 2		TOTAL WELL DEPTH (ft): 29.7		STATIC DEPTH TO WATER (ft): 7.51		WELL CAPACITY (gal/ft): 0.16					
1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =											
= (29.7 – 7.51) X 0.16 = 3.50											
PURGE METHOD: Peristaltic Pump			PURGE INITIATED AT: 1245		PURGE ENDED AT: 1324		TOTAL VOL. PURGED (gal): 4.40				
TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (°C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1315	3.50	3.50	0.10	8.42	9.48	22.8	6.73	0.40	1.60	Clear	None
1318	0.30	3.80	0.10	8.46	9.52	22.9	6.94	0.50	1.80	Clear	None
1321	0.30	4.10	0.10	8.47	9.52	22.9	6.95	0.40	1.77	Clear	None
1324	0.30	4.40	0.10	8.49	9.53	22.9	6.95	0.40	1.75	Clear	None
WELL CAPACITY (Gallons per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88											

SAMPLING DATA

SAMPLED BY (PRINT) / Curtis Mills AFFILIATION: AEROSTAR				SAMPLER(S) SIGNATURE(S)			
SAMPLING METHOD(S): Peristaltic Pump				SAMPLING INITIATED AT: 1326		SAMPLING ENDED AT: 1330	
FIELD DECONTAMINATION: Y N		FIELD-FILTERED: Y N		DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION			SAMPLE PRESERVATION			INTENDED ANALYSIS AND/OR METHOD	
NO.	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOLUME ADDED IN FIELD (mL)	FINAL pH		
1	CG	40 mL	HCL/ Ice	Pre-preserved		8260	
2	AG	1 L	Ice	--		8270	
3	AG	1 l	H2SO4	Pre-preserved		FL-PRO	
REMARKS:							
MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)							

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: NAS Pensacola Site 782	SITE LOCATION: NAS Pensacola Site 782	
WELL NO: MW-11	SAMPLE ID: MW-11	DATE: 4/18/2008

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 4.82 feet to 14.82 feet	STATIC DEPTH TO WATER (feet): 6.35	PURGE PUMP TYPE OR BAILER: peristaltic							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable: = (14.82 feet - 6.35 feet) X 0.16 gallons/foot = 1.3 gallons											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) = gallons + (gallons/foot X feet) + gallons = gallons											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0'		FINAL PUMP OR TUBING DEPTH IN WELL (feet): 9.0'		PURGING INITIATED AT: 1140	PURGING ENDED AT: 1159	TOTAL VOLUME PURGED (gallons): 1.90					
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1153	1.30	1.30	0.10	6.37	6.89	21.4	188	1.05	3.50	Clear	None
1156	0.30	1.60	0.10	6.39	6.93	21.4	188	1.07	3.50	Clear	None
1159	0.30	1.90	0.10	6.39	6.90	21.4	188	1.07	3.55	Clear	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Curtis R. Mills AEROSTAR				SAMPLER(S) SIGNATURES:				SAMPLING INITIATED AT: 1200		SAMPLING ENDED AT: 1202	
PUMP OR TUBING DEPTH IN WELL (feet): 9.0'				SAMPLE PUMP FLOW RATE (mL per minute): 0.10				TUBING MATERIAL CODE: PE			
FIELD DECONTAMINATION: Y N				FIELD-FILTERED: Y N FILTER SIZE: _____ µm Filtration Equipment Type: _____				DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUM E	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
MW-11	2	CG	40 mL	HCL/ Ice	40 mL	6.90	8260		RFPP		
MW-11	1	AG	1 L	Ice	1 L	6.90	8270		RFPP		
MW-11	1	AG	1 L	H2SO4	1 L	6.90	FL-PRO		RFPP		
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)											

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

DEP-SOP-001/01
FS 2200 Groundwater Sampling

Form FD 9000-24
GROUNDWATER SAMPLING LOG

SITE NAME: NAS Pensacola Site 782	SITE LOCATION: NAS Pensacola Site 782
WELL NO: DMW-3	SAMPLE ID: DMW-3
DATE: 4/18/2008	

PURGING DATA

WELL DIAMETER (inches): 2	TUBING DIAMETER (inches): 0.25	WELL SCREEN INTERVAL DEPTH: 26.16 feet to 31.16 feet	STATIC DEPTH TO WATER (feet): 6.65	PURGE PUMP TYPE OR BAILER: peristaltic							
WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable $= (31.16 \text{ feet} - 6.65 \text{ feet}) \times 0.16 \text{ gallons/foot} = 4.0 \text{ gallons}$											
EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) $= \text{gallons} + (\text{gallons/foot} \times \text{feet}) + \text{gallons} = \text{gallons}$											
INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28'	PURGING INITIATED AT: 1105	PURGING ENDED AT: 1134	TOTAL VOLUME PURGED (gallons): 4.60							
TIME	VOLUME PURGED (gallons)	CUMUL. VOLUME PURGED (gallons)	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1128	4.00	4.00	0.17	4.70	7.30	19.7	175	0.98	2.00	Clear	None
1131	0.30	4.30	0.17	4.72	7.32	19.7	175	0.98	2.00	Clear	None
1134	0.30	4.60	0.17	4.73	7.31	19.7	175	0.98	2.00	Clear	None
WELL CAPACITY (Gallons Per Foot): 0.75" = 0.02; 1" = 0.04; 1.25" = 0.06; 2" = 0.16; 3" = 0.37; 4" = 0.65; 5" = 1.02; 6" = 1.47; 12" = 5.88 TUBING INSIDE DIA. CAPACITY (Gal./Ft.): 1/8" = 0.0006; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016											

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: Curtis R. Mills AEROSTAR				SAMPLER(S) SIGNATURES:				SAMPLING INITIATED AT: 1135		SAMPLING ENDED AT: 1137	
PUMP OR TUBING DEPTH IN WELL (feet): 28'				SAMPLE PUMP FLOW RATE (mL per minute): 0.17				TUBING MATERIAL CODE: PE			
FIELD DECONTAMINATION: Y N				FIELD-FILTERED: Y N FILTER SIZE: _____ µm Filtration Equipment Type: _____				DUPLICATE: Y N			
SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				INTENDED ANALYSIS AND/OR METHOD		SAMPLING EQUIPMENT CODE	
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUM E	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH					
DMW-3	2	CG	40 mL	HCL/ Ice	40 mL	7.46	8260	RFPP			
DMW-3	1	AG	1 L	Ice	1 L	7.46	8270	RFPP			
DMW-3	1	AG	1 L	H2SO4	1 L	7.46	FL-PRO	RFPP			
REMARKS:											
MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)											
SAMPLING/PURGING APP = After Peristaltic Pump; B = Bailer; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump EQUIPMENT CODES: RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)											

NOTES: 1. The above do not constitute all of the information required by Chapter 62-160, F.A.C.

2. STABILIZATION CRITERIA FOR RANGE OF VARIATION OF LAST THREE CONSECUTIVE READINGS (SEE FS 2212, SECTION 3)

pH: ± 0.2 units **Temperature:** ± 0.2 °C **Specific Conductance:** ± 5% **Dissolved Oxygen:** all readings ≤ 20% saturation (see Table FS 2200-2); optionally, ± 0.2 mg/L or ± 10% (whichever is greater) **Turbidity:** all readings ≤ 20 NTU; optionally ± 5 NTU or ± 10% (whichever is greater)

APPENDIX E

Monitor Well Construction Logs

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MW-2		Site Name: Building 782, NAS Pensacola, FL		FDEP Facility I.D. Number:	Well Install Date(s): 12/20/07
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade			Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: Hollow Stem Auger
If AG, list feet of riser above land surface:					Surface Casing Install Method:
Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size: _____ feet by _____ feet	
	15	8	8	_____ feet by _____ feet	
Riser Diameter and Material: 2" PVC		Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: _____ feet from _____ feet to _____ feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Screen Slot Size: Schedule 40, 10 Slot		Screen Length: _____ feet from _____ feet to _____ feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: _____ feet from _____ feet to _____ feet	
Filter Pack Seal Material and Size: Bentonite				Filter Pack Seal Length: _____ feet from _____ feet to _____ feet	
Surface Seal Material: Grout				Surface Seal Length: _____ feet from _____ feet to _____ feet	

WELL DEVELOPMENT DATA			
Well Development Date: 12/21/07		Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)	
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 7.00	
Pumping Rate (gallons per minute): 0.50 gallons per minute		Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Pumping Condition: <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): 20	Development Duration (minutes): 40	Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: Clean with no odor		Water Appearance (color and odor) At End of Development: Clear with no odor	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA			
Well Number: MW-3	Site Name: Building 782, NAS Pensacola, FL	FDEP Facility I.D. Number:	Well Install Date(s): 12/20/07
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)	Well Install Method: Hollow Stem Auger
If AG, list feet of riser above land surface:		Surface Casing Install Method:	
Borehole Depth (feet): 15	Well Depth (feet): 13.80	Borehole Diameter (inches): 8	Manhole Diameter (inches): 8
Well Pad Size: 2 feet by 2 feet		Riser Diameter and Material: 2" PVC	
Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: _____ feet from 0 feet to 3.80 feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Screen Slot Size: Schedule 40, 10 Slot	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Filter Pack Seal Material and Size: Bentonite		Filter Pack Seal Length: _____ feet from 1.5 feet to 2.5 feet	
Surface Seal Material: Grout		Surface Seal Length: _____ feet from 0.50 feet to 1.5 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 12/21/07	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 7.00	
Pumping Rate (gallons per minute): 0.50 gallons per minute		Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet	
Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Pumping Condition: <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Continuous	
Total Development Water Removed (gallons): 20		Development Duration (minutes): 40	
Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Water Appearance (color and odor) At Start of Development: Clean with no odor	
Water Appearance (color and odor) At End of Development: Clear with no odor			

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA			
Well Number: MW-4	Site Name: Building 782, NAS Pensacola, FL	FDEP Facility I.D. Number:	Well Install Date(s): 12/20/07
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)	Well Install Method: Hollow Stem Auger
If AG, list feet of riser above land surface:		Surface Casing Install Method:	
Borehole Depth (feet): 15	Well Depth (feet): 13.94	Borehole Diameter (inches): 8	Manhole Diameter (inches): 8
Well Pad Size: 2 feet by 2 feet		Riser Diameter and Material: 2" PVC	
Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: _____ feet from 0 feet to 3.94 feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Screen Slot Size: Schedule 40, 10 Slot	
Screen Length: 10 feet from 3.94 feet to 13.94 feet		1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	
1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	
2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	
3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Filter Pack Length: _____ feet from 2.5 feet to 13.94 feet		Filter Pack Seal Material and Size: Bentonite	
Filter Pack Seal Length: _____ feet from 1.5 feet to 2.5 feet		Surface Seal Material: Grout	
Surface Seal Length: _____ feet from 0.50 feet to 1.5 feet			

WELL DEVELOPMENT DATA			
Well Development Date: 12/21/07	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 7.00	
Pumping Rate (gallons per minute): 0.50 gallons per minute		Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet	
Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Pumping Condition: <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Continuous	
Total Development Water Removed (gallons): 20		Development Duration (minutes): 40	
Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Water Appearance (color and odor) At Start of Development: Clean with no odor	
Water Appearance (color and odor) At End of Development: Clear with no odor			

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA			
Well Number: MW-6	Site Name: Building 782, NAS Pensacola, FL	FDEP Facility I.D. Number:	Well Install Date(s): 12/20/07
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)	Well Install Method: Hollow Stem Auger
If AG, list feet of riser above land surface:		Surface Casing Install Method:	
Borehole Depth (feet): 15	Well Depth (feet): 13.51	Borehole Diameter (inches): 8	Manhole Diameter (inches): 8
Well Pad Size: 2 feet by 2 feet		Riser Diameter and Material: 2" PVC	
Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: _____ feet from 0 feet to 3.51 feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Screen Slot Size: Schedule 40, 10 Slot	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Filter Pack Seal Material and Size: Bentonite		Filter Pack Seal Length: _____ feet from 1.5 feet to 2.5 feet	
Surface Seal Material: Grout		Surface Seal Length: _____ feet from 0.50 feet to 1.5 feet	

WELL DEVELOPMENT DATA			
Well Development Date: 12/21/07	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 7.00	
Pumping Rate (gallons per minute): 0.50 gallons per minute		Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet	
Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Pumping Condition: <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	
Total Development Water Removed (gallons): 20		Development Duration (minutes): 40	
Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Water Appearance (color and odor) At Start of Development: Clean with no odor	
Water Appearance (color and odor) At End of Development: Clear with no odor			

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MW-7	Site Name: Building 782, NAS Pensacola, FL	FDEP Facility I.D. Number:	Well Install Date(s): 12/20/07		
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: Hollow Stem Auger	
If AG, list feet of riser above land surface:				Surface Casing Install Method:	
Borehole Depth (feet): 15	Well Depth (feet): 14.10	Borehole Diameter (inches): 8	Manhole Diameter (inches): 8	Well Pad Size: 2 feet by 2 feet	
Riser Diameter and Material: 2" PVC		Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: _____ feet from 0 feet to 4.10 feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Screen Slot Size: Schedule 40, 10 Slot		Screen Length: _____ feet from 4.10 feet to 14.10 feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: _____ feet from 2.5 feet to 14.10 feet	
Filter Pack Seal Material and Size: Bentonite				Filter Pack Seal Length: _____ feet from 1.5 feet to 2.5 feet	
Surface Seal Material: Grout				Surface Seal Length: _____ feet from 0.50 feet to 1.5 feet	

WELL DEVELOPMENT DATA					
Well Development Date: 12/21/07		Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)			
Development Pump Type (check): <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)			Depth to Groundwater (before developing in feet): 7.00		
Pumping Rate (gallons per minute): 0.50 gallons per minute		Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet		Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition: <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent		Total Development Water Removed (gallons): 20		Development Duration (minutes): 40	
Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Water Appearance (color and odor) At Start of Development: Clean with no odor			Water Appearance (color and odor) At End of Development: Clear with no odor		

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MW-8	Site Name: Building 782, NAS Pensacola, FL	FDEP Facility I.D. Number:	Well Install Date(s): 12/20/07		
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: Hollow Stem Auger	
If AG, list feet of riser above land surface:				Surface Casing Install Method:	
Borehole Depth (feet): 15	Well Depth (feet): 13.72	Borehole Diameter (inches): 8	Manhole Diameter (inches): 8	Well Pad Size: 2 feet by 2 feet	
Riser Diameter and Material: 2" PVC		Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: _____ feet from 0 feet to 13.72 feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Screen Slot Size: Schedule 40, 10 Slot		Screen Length: 10 feet from 3.72 feet to 13.72 feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: _____ feet from 2.5 feet to 13.72 feet	
Filter Pack Seal Material and Size: Bentonite				Filter Pack Seal Length: _____ feet from 1.5 feet to 2.5 feet	
Surface Seal Material: Groute				Surface Seal Length: _____ feet from 0.50 feet to 1.5 feet	

WELL DEVELOPMENT DATA					
Well Development Date: 12/21/07		Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)			
Development Pump Type (check): <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)			Depth to Groundwater (before developing in feet): 7.00		
Pumping Rate (gallons per minute): 0.50 gallons per minute		Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet		Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition: <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Continuous		Total Development Water Removed (gallons): 20		Development Duration (minutes): 40	
Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No					
Water Appearance (color and odor) At Start of Development: Clean with no odor			Water Appearance (color and odor) At End of Development: Clear with no odor		

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA			
Well Number: MW-9	Site Name: Building 782, NAS Pensacola, FL	FDEP Facility I.D. Number:	Well Install Date(s): 12/20/07
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)	Well Install Method: Hollow Stem Auger
If AG, list feet of riser above land surface:		Surface Casing Install Method:	
Borehole Depth (feet): 15	Well Depth (feet): 14.45	Borehole Diameter (inches): 8	Manhole Diameter (inches): 8
Well Pad Size: 2 feet by 2 feet		Riser Diameter and Material: 2" PVC	
Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: _____ feet from 0 feet to 4.45 feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Screen Slot Size: Schedule 40, 10 Slot	
Screen Length: 10 feet from 4.45 feet to 14.45 feet		1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	
1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):	
2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet		3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	
3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Filter Pack Seal Material and Size: Bentonite		Filter Pack Length: _____ feet from 2.5 feet to 14.45 feet	
Filter Pack Seal Length: _____ feet from 1.5 feet to 2.5 feet		Surface Seal Material: Grout	
Surface Seal Length: _____ feet from 0.50 feet to 1.5 feet			

WELL DEVELOPMENT DATA			
Well Development Date: 12/21/07	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 7.00	
Pumping Rate (gallons per minute): 0.50 gallons per minute		Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet	
Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Pumping Condition: <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Continuous	
Total Development Water Removed (gallons): 20		Development Duration (minutes): 40	
Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		Water Appearance (color and odor) At Start of Development: Clean with no odor	
Water Appearance (color and odor) At End of Development: Clear with no odor			

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA			
Well Number: MW-10	Site Name: Building 782, NAS Pensacola, FL	FDEP Facility I.D. Number:	Well Install Date(s): 3/26/08
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)	Well Install Method: Hollow Stem Auger Surface Casing Install Method:
If AG, list feet of riser above land surface:			
Borehole Depth (feet): 15	Well Depth (feet): 14.96	Borehole Diameter (inches): 8	Manhole Diameter (inches): 8
Well Pad Size: <u> 2 </u> feet by <u> 2 </u> feet			
Riser Diameter and Material: 2" PVC	Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)	Riser Length: _____ feet from <u> 0 </u> feet to <u> 4.96 </u> feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Schedule 40, 10 Slot	Screen Length: <u> 10 </u> feet from <u> 4.96 </u> feet to <u> 14.96 </u> feet
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	1 st Surface Casing I.D. (inches):	1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	2 nd Surface Casing I.D. (inches):	2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary	3 rd Surface Casing I.D. (inches):	3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand	Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: _____ feet from <u> 2.5 </u> feet to <u> 14.96 </u> feet
Filter Pack Seal Material and Size: Bentonite		Filter Pack Seal Length: _____ feet from <u> 1.5 </u> feet to <u> 2.5 </u> feet	
Surface Seal Material: Grout		Surface Seal Length: _____ feet from <u> 0.50 </u> feet to <u> 1.5 </u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: 12/21/07	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)	<input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic	Depth to Groundwater (before developing in feet): 7.00	
Pumping Rate (gallons per minute): 0.50 gallons per minute	Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	
Pumping Condition <input type="checkbox"/> Intermittent <input checked="" type="checkbox"/> Continuous	Total Development Water Removed (gallons): 20	Development Duration (minutes): 40	Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: Clean with no odor		Water Appearance (color and odor) At End of Development: Clean with no odor	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: MW-11	Site Name: Building 782, NAS Pensacola, FL	FDEP Facility I.D. Number:	Well Install Date(s): 3/26/08		
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade		Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: Hollow Stem Auger	
If AG, list feet of riser above land surface:				Surface Casing Install Method:	
Borehole Depth (feet): 15	Well Depth (feet): 14.82	Borehole Diameter (inches): 8	Manhole Diameter (inches): 8	Well Pad Size: <u>2</u> feet by <u>2</u> feet	
Riser Diameter and Material: 2" PVC		Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: _____ feet from <u>0</u> feet to <u>4.82</u> feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Screen Slot Size: Schedule 40, 10 Slot		Screen Length: <u>10</u> feet from <u>4.82</u> feet to <u>14.82</u> feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: _____ feet from <u>2.5</u> feet to <u>14</u> feet	
Filter Pack Seal Material and Size: Bentonite				Filter Pack Seal Length: _____ feet from <u>1.5</u> feet to <u>2.5</u> feet	
Surface Seal Material: Grout				Surface Seal Length: _____ feet from <u>0.50</u> feet to <u>1.5</u> feet	

WELL DEVELOPMENT DATA			
Well Development Date: 12/21/07	Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)		
Development Pump Type (check): <input type="checkbox"/> Centrifugal <input type="checkbox"/> Peristaltic <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 7.00	
Pumping Rate (gallons per minute): 0.50 gallons per minute		Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Pumping Condition: <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): 20	Development Duration (minutes): 40	Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: Clean with no odor		Water Appearance (color and odor) At End of Development: Clear with no odor	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

WELL CONSTRUCTION AND DEVELOPMENT LOG

WELL CONSTRUCTION DATA					
Well Number: DMW-3		Site Name: Building 782, NAS Pensacola, FL		FDEP Facility I.D. Number:	Well Install Date(s): 3/26/08
Well Location and Type (check appropriate boxes): <input checked="" type="checkbox"/> On-Site <input type="checkbox"/> Right-of-Way <input type="checkbox"/> Off-Site Private Property <input type="checkbox"/> Above Grade (AG) <input checked="" type="checkbox"/> Flush-to-Grade			Well Purpose: <input type="checkbox"/> Perched Monitoring <input checked="" type="checkbox"/> Shallow (Water-Table) Monitoring <input type="checkbox"/> Intermediate or Deep Monitoring <input type="checkbox"/> Remediation or Other (describe)		Well Install Method: Hollow Stem Auger
If AG, list feet of riser above land surface:					Surface Casing Install Method:
Borehole Depth (feet):	Well Depth (feet):	Borehole Diameter (inches):	Manhole Diameter (inches):	Well Pad Size: _____ feet by _____ feet	
	30	8	8	_____ feet by _____ feet	
Riser Diameter and Material: 2" PVC		Riser/Screen Connections: <input type="checkbox"/> Flush-Threaded <input type="checkbox"/> Other (describe)		Riser Length: _____ feet from _____ feet to _____ feet	
Screen Diameter and Material: 2" PVC		Screen Slot Size: Screen Slot Size: Schedule 40, 10 Slot		Screen Length: _____ feet from _____ feet to _____ feet	
1 st Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		1 st Surface Casing I.D. (inches):		1 st Surface Casing Length: _____ feet from _____ feet to _____ feet	
2 nd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		2 nd Surface Casing I.D. (inches):		2 nd Surface Casing Length: _____ feet from _____ feet to _____ feet	
3 rd Surface Casing Material: also check: <input type="checkbox"/> Permanent <input type="checkbox"/> Temporary		3 rd Surface Casing I.D. (inches):		3 rd Surface Casing Length: _____ feet from _____ feet to _____ feet	
Filter Pack Material and Size: 20/40 Silica Sand		Prepacked Filter Around Screen (check one): <input checked="" type="checkbox"/> Yes <input checked="" type="checkbox"/> No		Filter Pack Length: _____ feet from _____ feet to _____ feet	
Filter Pack Seal Material and Size: Bentonite				Filter Pack Seal Length: _____ feet from _____ feet to _____ feet	
Surface Seal Material: Grout				Surface Seal Length: _____ feet from _____ feet to _____ feet	

WELL DEVELOPMENT DATA			
Well Development Date: 02/11/08		Well Development Method (check one): <input type="checkbox"/> Surge/Pump <input checked="" type="checkbox"/> Pump <input type="checkbox"/> Compressed Air <input type="checkbox"/> Other (describe)	
Development Pump Type (check): <input checked="" type="checkbox"/> Submersible <input type="checkbox"/> Other (describe)		Depth to Groundwater (before developing in feet): 7.00	
Pumping Rate (gallons per minute): 0.50 gallons per minute		Maximum Drawdown of Groundwater During Development Development (feet): 0.01 feet	Well Purged Dry (check one): <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Pumping Condition: <input checked="" type="checkbox"/> Continuous <input type="checkbox"/> Intermittent	Total Development Water Removed (gallons): 20	Development Duration (minutes): 40	Development Water Drummed (check one): <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Water Appearance (color and odor) At Start of Development: Clean with no odor		Water Appearance (color and odor) At End of Development: Clear with no odor	

WELL CONSTRUCTION OR DEVELOPMENT REMARKS

APPENDIX F

Monitor Well Groundwater Analytical Report
And
Chain-of-Custody

ANALYTICAL REPORT

Job Number: 400-28639-1

SDG Number: 0407-24605

Job Description: NAS Pensacola Bldg. 782

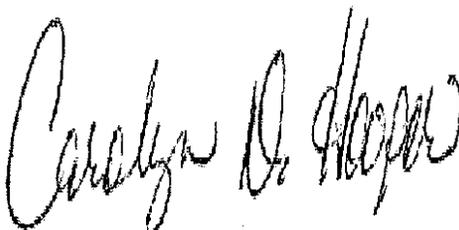
For:

Aerostar Environmental Services, Inc.

4640 S. Carrolltan Avenue

New Orleans, LA 70119

Attention: Emilie Wien



Carolyn Hooper

Project Manager I

carolyn.hooper@testamericainc.com

08/12/2008

Revision: 1

cc: Ms. Dawn Hudson
Mr. Danny Miller
Mr. Carl D Williams

The test results in this report meet all NELAP requirements for accredited parameters and relate only to the referenced samples. Any exceptions to NELAP requirements are noted in this report. Pursuant to NELAP, this report may not be reproduced, except in full, without written approval from the laboratory.

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TestAmerica Laboratories, Inc.

TestAmerica Pensacola 3355 McLemore Drive, Pensacola, FL 32514

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SAMPLE SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

<u>Lab Sample ID</u>	<u>Client Sample ID</u>	<u>Client Matrix</u>	<u>Date/Time Sampled</u>	<u>Date/Time Received</u>
400-28639-1	MW-1	Water	02/18/2008 1021	02/19/2008 1340
400-28639-2	MW-2	Water	02/18/2008 1205	02/19/2008 1340
400-28639-3	DMW-1	Water	02/18/2008 1326	02/19/2008 1340
400-28639-4	MW-3	Water	02/18/2008 1400	02/19/2008 1340
400-28639-5	MW-4	Water	02/18/2008 1437	02/19/2008 1340
400-28639-6	MW-5	Water	02/18/2008 1512	02/19/2008 1340
400-28639-7	MW-6	Water	02/18/2008 1543	02/19/2008 1340
400-28639-8	MW-9	Water	02/18/2008 1635	02/19/2008 1340
400-28639-9FD	DUPLICATE	Water	02/18/2008 0000	02/19/2008 1340
400-28639-10	MW-8	Water	02/18/2008 1708	02/19/2008 1340
400-28639-11	MW-3 W.E.S.	Water	02/18/2008 1743	02/19/2008 1340
400-28639-12	DMW-2	Water	02/18/2008 1701	02/19/2008 1340
400-28639-13	MW-7	Water	02/18/2008 1752	02/19/2008 1340

EXECUTIVE SUMMARY - Detections

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

Lab Sample ID Analyte	Client Sample ID	Result / Qualifier	Reporting Limit	Units	Method
400-28639-1	MW-1				
Acenaphthene		0.68	9.8	ug/L	8270C
Fluorene		0.86	9.8	ug/L	8270C
Naphthalene		10	9.8	ug/L	8270C
1-Methylnaphthalene		10	9.8	ug/L	8270C
2-Methylnaphthalene		5.0	9.8	ug/L	8270C
Ethylbenzene		6.1	4.0	ug/L	8021B
Total Petroleum Hydrocarbons (C8-C40)		420	110	ug/L	FL-PRO
400-28639-2	MW-2				
Naphthalene		3.3	9.4	ug/L	8270C
1-Methylnaphthalene		14	9.4	ug/L	8270C
2-Methylnaphthalene		1.1	9.4	ug/L	8270C
Total Petroleum Hydrocarbons (C8-C40)		1300	1500	ug/L	FL-PRO
400-28639-3	DMW-1				
Xylenes, Total		2.1	4.0	ug/L	8021B
400-28639-9FD	DUPLICATE				
Acenaphthene		0.52	9.8	ug/L	8270C
Fluorene		0.63	9.8	ug/L	8270C
Naphthalene		3.6	9.8	ug/L	8270C
1-Methylnaphthalene		13	9.8	ug/L	8270C
2-Methylnaphthalene		1.3	9.8	ug/L	8270C
Ethylbenzene		2.2	4.0	ug/L	8021B
Xylenes, Total		2.0	4.0	ug/L	8021B
400-28639-12	DMW-2				
Xylenes, Total		1.1	2.0	ug/L	8021B

SAMPLE RESULTS

Emilie Wien
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4640 S. Carrolltan Avenue
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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-1
Lab Sample ID: 400-28639-1

Date Sampled: 02/18/2008 1021
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 1808		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.68 I	ug/L	0.20	9.8	1.0
Acenaphthylene	0.20 U	ug/L	0.20	9.8	1.0
Anthracene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[a]anthracene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[a]pyrene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[b]fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[g,h,i]perylene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[k]fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Chrysene	0.20 U	ug/L	0.20	9.8	1.0
Dibenz(a,h)anthracene	0.20 U	ug/L	0.20	9.8	1.0
Fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Fluorene	0.86 I	ug/L	0.20	9.8	1.0
Indeno[1,2,3-cd]pyrene	0.20 U	ug/L	0.20	9.8	1.0
Naphthalene	10	ug/L	0.49	9.8	1.0
Phenanthrene	0.20 U	ug/L	0.20	9.8	1.0
Pyrene	0.49 U	ug/L	0.49	9.8	1.0
1-Methylnaphthalene	10	ug/L	0.98	9.8	1.0
2-Methylnaphthalene	5.0 I	ug/L	0.20	9.8	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	70	%	40 - 100		
Nitrobenzene-d5	64	%	33 - 92		
Terphenyl-d14	96	%	58 - 114		
Method: 8021B			Date Analyzed: 02/22/2008 0520		
Prep Method: 5030B			Date Prepared: 02/22/2008 0520		
Benzene	0.80 U	ug/L	0.80	2.0	2.0
Toluene	2.0 U	ug/L	2.0	10	2.0
Ethylbenzene	6.1	ug/L	2.0	4.0	2.0
Xylenes, Total	2.0 U	ug/L	2.0	4.0	2.0
Methyl tert-butyl ether	2.0 U	ug/L	2.0	4.0	2.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	97	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/21/2008 1152		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	420	ug/L	17	110	1.0
Surrogate			Acceptance Limits		
n-C39	65	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-1
Lab Sample ID: 400-28639-1

Date Sampled: 02/18/2008 1021
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	74	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-2
Lab Sample ID: 400-28639-2

Date Sampled: 02/18/2008 1205
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 1841		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.19 U	ug/L	0.19	9.4	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.4	1.0
Anthracene	0.19 U	ug/L	0.19	9.4	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.4	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.4	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.4	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.4	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.4	1.0
Chrysene	0.19 U	ug/L	0.19	9.4	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.4	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.4	1.0
Fluorene	0.19 U	ug/L	0.19	9.4	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.4	1.0
Naphthalene	3.3 I	ug/L	0.47	9.4	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.4	1.0
Pyrene	0.47 U	ug/L	0.47	9.4	1.0
1-Methylnaphthalene	14	ug/L	0.94	9.4	1.0
2-Methylnaphthalene	1.1 I	ug/L	0.19	9.4	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	91	%	40 - 100		
Nitrobenzene-d5	85	%	33 - 92		
Terphenyl-d14	101	%	58 - 114		
Method: 8021B			Date Analyzed: 02/22/2008 0552		
Prep Method: 5030B			Date Prepared: 02/22/2008 0552		
Benzene	0.80 U	ug/L	0.80	2.0	2.0
Toluene	2.0 U	ug/L	2.0	10	2.0
Ethylbenzene	2.0 U	ug/L	2.0	4.0	2.0
Xylenes, Total	2.0 U	ug/L	2.0	4.0	2.0
Methyl tert-butyl ether	2.0 U	ug/L	2.0	4.0	2.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	95	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/21/2008 1157		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	1300 I	ug/L	220	1500	10
Surrogate			Acceptance Limits		
n-C39	123	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-2
Lab Sample ID: 400-28639-2

Date Sampled: 02/18/2008 1205
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	113	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: DMW-1
Lab Sample ID: 400-28639-3

Date Sampled: 02/18/2008 1326
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 1913		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.19 U	ug/L	0.19	9.3	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.3	1.0
Anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Chrysene	0.19 U	ug/L	0.19	9.3	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.3	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Fluorene	0.19 U	ug/L	0.19	9.3	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Naphthalene	0.46 U	ug/L	0.46	9.3	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.3	1.0
Pyrene	0.46 U	ug/L	0.46	9.3	1.0
1-Methylnaphthalene	0.93 U	ug/L	0.93	9.3	1.0
2-Methylnaphthalene	0.19 U	ug/L	0.19	9.3	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	81	%	40 - 100		
Nitrobenzene-d5	78	%	33 - 92		
Terphenyl-d14	93	%	58 - 114		
Method: 8021B			Date Analyzed: 02/23/2008 0241		
Prep Method: 5030B			Date Prepared: 02/23/2008 0241		
Benzene	0.80 U	ug/L	0.80	2.0	2.0
Toluene	2.0 U	ug/L	2.0	10	2.0
Ethylbenzene	2.0 U	ug/L	2.0	4.0	2.0
Xylenes, Total	2.1 I	ug/L	2.0	4.0	2.0
Methyl tert-butyl ether	2.0 U	ug/L	2.0	4.0	2.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	97	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/22/2008 1053		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	17 U	ug/L	17	110	1.0
Surrogate			Acceptance Limits		
n-C39	9 J1	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: DMW-1
Lab Sample ID: 400-28639-3

Date Sampled: 02/18/2008 1326
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	7 J1	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-3
Lab Sample ID: 400-28639-4

Date Sampled: 02/18/2008 1400
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 1736		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.19 U	ug/L	0.19	9.3	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.3	1.0
Anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Chrysene	0.19 U	ug/L	0.19	9.3	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.3	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Fluorene	0.19 U	ug/L	0.19	9.3	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Naphthalene	0.46 U	ug/L	0.46	9.3	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.3	1.0
Pyrene	0.46 U	ug/L	0.46	9.3	1.0
1-Methylnaphthalene	0.93 U	ug/L	0.93	9.3	1.0
2-Methylnaphthalene	0.19 U	ug/L	0.19	9.3	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	69	%	40 - 100		
Nitrobenzene-d5	65	%	33 - 92		
Terphenyl-d14	95	%	58 - 114		
Method: 8021B			Date Analyzed: 02/22/2008 0656		
Prep Method: 5030B			Date Prepared: 02/22/2008 0656		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.0 U	ug/L	1.0	2.0	1.0
Methyl tert-butyl ether	1.0 U	ug/L	1.0	2.0	1.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	95	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/21/2008 1208		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	22 U	ug/L	22	150	1.0
Surrogate			Acceptance Limits		
n-C39	77	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-3
Lab Sample ID: 400-28639-4

Date Sampled: 02/18/2008 1400
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	73	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-4
Lab Sample ID: 400-28639-5

Date Sampled: 02/18/2008 1437
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 1945		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.19 U	ug/L	0.19	9.5	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.5	1.0
Anthracene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.5	1.0
Chrysene	0.19 U	ug/L	0.19	9.5	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.5	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.5	1.0
Fluorene	0.19 U	ug/L	0.19	9.5	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.5	1.0
Naphthalene	0.48 U	ug/L	0.48	9.5	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.5	1.0
Pyrene	0.48 U	ug/L	0.48	9.5	1.0
1-Methylnaphthalene	0.95 U	ug/L	0.95	9.5	1.0
2-Methylnaphthalene	0.19 U	ug/L	0.19	9.5	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	64	%	40 - 100		
Nitrobenzene-d5	62	%	33 - 92		
Terphenyl-d14	85	%	58 - 114		
Method: 8021B			Date Analyzed: 02/22/2008 0728		
Prep Method: 5030B			Date Prepared: 02/22/2008 0728		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.0 U	ug/L	1.0	2.0	1.0
Methyl tert-butyl ether	1.0 U	ug/L	1.0	2.0	1.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	95	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/21/2008 1213		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	24 U	ug/L	24	160	1.0
Surrogate			Acceptance Limits		
n-C39	85	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-4
Lab Sample ID: 400-28639-5

Date Sampled: 02/18/2008 1437
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	79	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
 Sdg Number: 0407-24605

Client Sample ID: MW-5
 Lab Sample ID: 400-28639-6

Date Sampled: 02/18/2008 1512
 Date Received: 02/19/2008 1340
 Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 2018		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.19 U	ug/L	0.19	9.7	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.7	1.0
Anthracene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.7	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.7	1.0
Chrysene	0.19 U	ug/L	0.19	9.7	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.7	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.7	1.0
Fluorene	0.19 U	ug/L	0.19	9.7	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.7	1.0
Naphthalene	0.49 U	ug/L	0.49	9.7	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.7	1.0
Pyrene	0.49 U	ug/L	0.49	9.7	1.0
1-Methylnaphthalene	0.97 U	ug/L	0.97	9.7	1.0
2-Methylnaphthalene	0.19 U	ug/L	0.19	9.7	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	74	%	40 - 100		
Nitrobenzene-d5	75	%	33 - 92		
Terphenyl-d14	102	%	58 - 114		
Method: 8021B			Date Analyzed: 02/22/2008 0800		
Prep Method: 5030B			Date Prepared: 02/22/2008 0800		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.0 U	ug/L	1.0	2.0	1.0
Methyl tert-butyl ether	1.0 U	ug/L	1.0	2.0	1.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	96	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/21/2008 1218		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	18 U	ug/L	18	120	1.0
Surrogate			Acceptance Limits		
n-C39	72	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-5
Lab Sample ID: 400-28639-6

Date Sampled: 02/18/2008 1512
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	75	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-6
Lab Sample ID: 400-28639-7

Date Sampled: 02/18/2008 1543
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 2051		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.20 U	ug/L	0.20	9.8	1.0
Acenaphthylene	0.20 U	ug/L	0.20	9.8	1.0
Anthracene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[a]anthracene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[a]pyrene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[b]fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[g,h,i]perylene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[k]fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Chrysene	0.20 U	ug/L	0.20	9.8	1.0
Dibenz(a,h)anthracene	0.20 U	ug/L	0.20	9.8	1.0
Fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Fluorene	0.20 U	ug/L	0.20	9.8	1.0
Indeno[1,2,3-cd]pyrene	0.20 U	ug/L	0.20	9.8	1.0
Naphthalene	0.49 U	ug/L	0.49	9.8	1.0
Phenanthrene	0.20 U	ug/L	0.20	9.8	1.0
Pyrene	0.49 U	ug/L	0.49	9.8	1.0
1-Methylnaphthalene	0.98 U	ug/L	0.98	9.8	1.0
2-Methylnaphthalene	0.20 U	ug/L	0.20	9.8	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	79	%	40 - 100		
Nitrobenzene-d5	72	%	33 - 92		
Terphenyl-d14	91	%	58 - 114		
Method: 8021B			Date Analyzed: 02/22/2008 0832		
Prep Method: 5030B			Date Prepared: 02/22/2008 0832		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.0 U	ug/L	1.0	2.0	1.0
Methyl tert-butyl ether	1.0 U	ug/L	1.0	2.0	1.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	96	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/21/2008 1223		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	19 U	ug/L	19	130	1.0
Surrogate			Acceptance Limits		
n-C39	61	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-6
Lab Sample ID: 400-28639-7

Date Sampled: 02/18/2008 1543
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	84	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-9
Lab Sample ID: 400-28639-8

Date Sampled: 02/18/2008 1635
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 2123		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.19 U	ug/L	0.19	9.5	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.5	1.0
Anthracene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.5	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.5	1.0
Chrysene	0.19 U	ug/L	0.19	9.5	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.5	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.5	1.0
Fluorene	0.19 U	ug/L	0.19	9.5	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.5	1.0
Naphthalene	0.48 U	ug/L	0.48	9.5	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.5	1.0
Pyrene	0.48 U	ug/L	0.48	9.5	1.0
1-Methylnaphthalene	0.95 U	ug/L	0.95	9.5	1.0
2-Methylnaphthalene	0.19 U	ug/L	0.19	9.5	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	70	%	40 - 100		
Nitrobenzene-d5	66	%	33 - 92		
Terphenyl-d14	94	%	58 - 114		
Method: 8021B			Date Analyzed: 02/22/2008 0905		
Prep Method: 5030B			Date Prepared: 02/22/2008 0905		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.0 U	ug/L	1.0	2.0	1.0
Methyl tert-butyl ether	1.0 U	ug/L	1.0	2.0	1.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	96	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/21/2008 1234		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	23 U	ug/L	23	150	1.0
Surrogate			Acceptance Limits		
n-C39	76	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-9
Lab Sample ID: 400-28639-8

Date Sampled: 02/18/2008 1635
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	83	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: DUPLICATE
Lab Sample ID: 400-28639-9

Date Sampled: 02/18/2008 0000
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 2156		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.52 I	ug/L	0.20	9.8	1.0
Acenaphthylene	0.20 U	ug/L	0.20	9.8	1.0
Anthracene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[a]anthracene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[a]pyrene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[b]fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[g,h,i]perylene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[k]fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Chrysene	0.20 U	ug/L	0.20	9.8	1.0
Dibenz(a,h)anthracene	0.20 U	ug/L	0.20	9.8	1.0
Fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Fluorene	0.63 I	ug/L	0.20	9.8	1.0
Indeno[1,2,3-cd]pyrene	0.20 U	ug/L	0.20	9.8	1.0
Naphthalene	3.6 I	ug/L	0.49	9.8	1.0
Phenanthrene	0.20 U	ug/L	0.20	9.8	1.0
Pyrene	0.49 U	ug/L	0.49	9.8	1.0
1-Methylnaphthalene	13	ug/L	0.98	9.8	1.0
2-Methylnaphthalene	1.3 I	ug/L	0.20	9.8	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	81	%	40 - 100		
Nitrobenzene-d5	73	%	33 - 92		
Terphenyl-d14	97	%	58 - 114		
Method: 8021B			Date Analyzed: 02/22/2008 0937		
Prep Method: 5030B			Date Prepared: 02/22/2008 0937		
Benzene	0.80 U	ug/L	0.80	2.0	2.0
Toluene	2.0 U	ug/L	2.0	10	2.0
Ethylbenzene	2.2 I	ug/L	2.0	4.0	2.0
Xylenes, Total	2.0 I	ug/L	2.0	4.0	2.0
Methyl tert-butyl ether	2.0 U	ug/L	2.0	4.0	2.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	96	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/21/2008 1239		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	200 U	ug/L	200	1400	10
Surrogate			Acceptance Limits		
n-C39	117	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: DUPLICATE
Lab Sample ID: 400-28639-9

Date Sampled: 02/18/2008 0000
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	96	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-8
Lab Sample ID: 400-28639-10

Date Sampled: 02/18/2008 1708
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 2228		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.19 U	ug/L	0.19	9.3	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.3	1.0
Anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Chrysene	0.19 U	ug/L	0.19	9.3	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.3	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Fluorene	0.19 U	ug/L	0.19	9.3	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Naphthalene	0.46 U	ug/L	0.46	9.3	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.3	1.0
Pyrene	0.46 U	ug/L	0.46	9.3	1.0
1-Methylnaphthalene	0.93 U	ug/L	0.93	9.3	1.0
2-Methylnaphthalene	0.19 U	ug/L	0.19	9.3	1.0
Surrogate				Acceptance Limits	
2-Fluorobiphenyl	75	%		40 - 100	
Nitrobenzene-d5	70	%		33 - 92	
Terphenyl-d14	97	%		58 - 114	
Method: 8021B			Date Analyzed: 02/22/2008 1113		
Prep Method: 5030B			Date Prepared: 02/22/2008 1113		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.0 U	ug/L	1.0	2.0	1.0
Methyl tert-butyl ether	1.0 U	ug/L	1.0	2.0	1.0
Surrogate				Acceptance Limits	
a,a,a-Trifluorotoluene (pid)	95	%		76 - 124	
Method: FL-PRO			Date Analyzed: 02/21/2008 1244		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	18 U	ug/L	18	130	1.0
Surrogate				Acceptance Limits	
n-C39	81	%		20 - 176	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-8
Lab Sample ID: 400-28639-10

Date Sampled: 02/18/2008 1708
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	82	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-3 W.E.S.
Lab Sample ID: 400-28639-11

Date Sampled: 02/18/2008 1743
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 2301		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.20 U	ug/L	0.20	9.8	1.0
Acenaphthylene	0.20 U	ug/L	0.20	9.8	1.0
Anthracene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[a]anthracene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[a]pyrene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[b]fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[g,h,i]perylene	0.20 U	ug/L	0.20	9.8	1.0
Benzo[k]fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Chrysene	0.20 U	ug/L	0.20	9.8	1.0
Dibenz(a,h)anthracene	0.20 U	ug/L	0.20	9.8	1.0
Fluoranthene	0.20 U	ug/L	0.20	9.8	1.0
Fluorene	0.20 U	ug/L	0.20	9.8	1.0
Indeno[1,2,3-cd]pyrene	0.20 U	ug/L	0.20	9.8	1.0
Naphthalene	0.49 U	ug/L	0.49	9.8	1.0
Phenanthrene	0.20 U	ug/L	0.20	9.8	1.0
Pyrene	0.49 U	ug/L	0.49	9.8	1.0
1-Methylnaphthalene	0.98 U	ug/L	0.98	9.8	1.0
2-Methylnaphthalene	0.20 U	ug/L	0.20	9.8	1.0
Surrogate				Acceptance Limits	
2-Fluorobiphenyl	71	%		40 - 100	
Nitrobenzene-d5	71	%		33 - 92	
Terphenyl-d14	94	%		58 - 114	
Method: 8021B			Date Analyzed: 02/22/2008 1145		
Prep Method: 5030B			Date Prepared: 02/22/2008 1145		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.0 U	ug/L	1.0	2.0	1.0
Methyl tert-butyl ether	1.0 U	ug/L	1.0	2.0	1.0
Surrogate				Acceptance Limits	
a,a,a-Trifluorotoluene (pid)	95	%		76 - 124	
Method: FL-PRO			Date Analyzed: 02/21/2008 1250		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	21 U	ug/L	21	140	1.0
Surrogate				Acceptance Limits	
n-C39	90	%		20 - 176	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-3 W.E.S.
Lab Sample ID: 400-28639-11

Date Sampled: 02/18/2008 1743
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	89	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: DMW-2
Lab Sample ID: 400-28639-12

Date Sampled: 02/18/2008 1701
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/25/2008 2333		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.19 U	ug/L	0.19	9.3	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.3	1.0
Anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Chrysene	0.19 U	ug/L	0.19	9.3	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.3	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Fluorene	0.19 U	ug/L	0.19	9.3	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Naphthalene	0.46 U	ug/L	0.46	9.3	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.3	1.0
Pyrene	0.46 U	ug/L	0.46	9.3	1.0
1-Methylnaphthalene	0.93 U	ug/L	0.93	9.3	1.0
2-Methylnaphthalene	0.19 U	ug/L	0.19	9.3	1.0
Surrogate			Acceptance Limits		
2-Fluorobiphenyl	69	%	40 - 100		
Nitrobenzene-d5	66	%	33 - 92		
Terphenyl-d14	103	%	58 - 114		
Method: 8021B			Date Analyzed: 02/22/2008 1217		
Prep Method: 5030B			Date Prepared: 02/22/2008 1217		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.1 I	ug/L	1.0	2.0	1.0
Methyl tert-butyl ether	1.0 U	ug/L	1.0	2.0	1.0
Surrogate			Acceptance Limits		
a,a,a-Trifluorotoluene (pid)	95	%	76 - 124		
Method: FL-PRO			Date Analyzed: 02/21/2008 1255		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	15 U	ug/L	15	100	1.0
Surrogate			Acceptance Limits		
n-C39	63	%	20 - 176		

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: DMW-2
Lab Sample ID: 400-28639-12

Date Sampled: 02/18/2008 1701
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	73	%		Acceptance Limits 49 - 143	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-7
Lab Sample ID: 400-28639-13

Date Sampled: 02/18/2008 1752
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Method: 8270C			Date Analyzed: 02/26/2008 0006		
Prep Method: 3520C			Date Prepared: 02/21/2008 0757		
Acenaphthene	0.19 U	ug/L	0.19	9.3	1.0
Acenaphthylene	0.19 U	ug/L	0.19	9.3	1.0
Anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]anthracene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[a]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[b]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[g,h,i]perylene	0.19 U	ug/L	0.19	9.3	1.0
Benzo[k]fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Chrysene	0.19 U	ug/L	0.19	9.3	1.0
Dibenz(a,h)anthracene	0.19 U	ug/L	0.19	9.3	1.0
Fluoranthene	0.19 U	ug/L	0.19	9.3	1.0
Fluorene	0.19 U	ug/L	0.19	9.3	1.0
Indeno[1,2,3-cd]pyrene	0.19 U	ug/L	0.19	9.3	1.0
Naphthalene	0.46 U	ug/L	0.46	9.3	1.0
Phenanthrene	0.19 U	ug/L	0.19	9.3	1.0
Pyrene	0.46 U	ug/L	0.46	9.3	1.0
1-Methylnaphthalene	0.93 U	ug/L	0.93	9.3	1.0
2-Methylnaphthalene	0.19 U	ug/L	0.19	9.3	1.0
Surrogate				Acceptance Limits	
2-Fluorobiphenyl	74	%		40 - 100	
Nitrobenzene-d5	71	%		33 - 92	
Terphenyl-d14	94	%		58 - 114	
Method: 8021B			Date Analyzed: 02/22/2008 1249		
Prep Method: 5030B			Date Prepared: 02/22/2008 1249		
Benzene	0.40 U	ug/L	0.40	1.0	1.0
Toluene	1.0 U	ug/L	1.0	5.0	1.0
Ethylbenzene	1.0 U	ug/L	1.0	2.0	1.0
Xylenes, Total	1.0 U	ug/L	1.0	2.0	1.0
Methyl tert-butyl ether	1.0 U	ug/L	1.0	2.0	1.0
Surrogate				Acceptance Limits	
a,a,a-Trifluorotoluene (pid)	95	%		76 - 124	
Method: FL-PRO			Date Analyzed: 02/21/2008 1300		
Prep Method: 3520C			Date Prepared: 02/20/2008 1001		
Total Petroleum Hydrocarbons (C8-C40)	18 U	ug/L	18	130	1.0
Surrogate				Acceptance Limits	
n-C39	62	%		20 - 176	

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Job Number: 400-28639-1
Sdg Number: 0407-24605

Client Sample ID: MW-7
Lab Sample ID: 400-28639-13

Date Sampled: 02/18/2008 1752
Date Received: 02/19/2008 1340
Client Matrix: Water

Analyte	Result/Qualifier	Unit	MDL	PQL	Dilution
Surrogate o-Terphenyl	66	%		Acceptance Limits 49 - 143	

DATA REPORTING QUALIFIERS

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1

Sdg Number: 0407-24605

Lab Section	Qualifier	Description
GC/MS Semi VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC VOA		
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
GC Semi VOA		
	J1	Estimated value; value may not be accurate. Surrogate recovery outside of criteria.
	U	Indicates that the compound was analyzed for but not detected.
	I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.

Job Narrative
400-J28639-1

Receipt

All samples were received in good condition within temperature requirements.

GC Semi VOA

Method(s) FL-PRO: Surrogate recovery for the following sample(s) was outside of acceptance limits: DMW-1 (400-28639-3). There was insufficient sample to perform a re-extraction; therefore, the data have been reported.

No other analytical or quality issues were noted.

Organic Prep

The extra volume sent for FLPRO was not clearly marked and the MS/MSDs were not logged in before the lab tech started extractions. Therefore; no MS/MSD was extracted for this batch.

No other analytical or quality issues were noted.

METHOD SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1

Sdg Number: 0407-24605

Description	Lab Location	Method	Preparation Method
Matrix: Water			
Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD	TAL PEN	SW846 8021B	
Purge-and-Trap	TAL PEN		SW846 5030B
Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)	TAL PEN	SW846 8270C	
Continuous Liquid-Liquid Extraction	TAL PEN		SW846 3520C
Florida Method for Determination of Petroleum Range Organics by GC/FID	TAL PEN	FL-DEP FL-PRO	
3510C	TAL PEN		SW846 3510C

Lab References:

TAL PEN = TestAmerica Pensacola

Method References:

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

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

METHOD / ANALYST SUMMARY

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

Method	Analyst	Analyst ID
SW846 8270C	Schumann, Jane	JS
SW846 8021B	Khramova, Galina	GK
FL-DEP FL-PRO	Ayers, Kim	KA

QUALITY CONTROL RESULTS

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1

Sdg Number: 0407-24605

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC/MS Semi VOA					
Prep Batch: 400-64540					
LCS 400-64540/18-A	Lab Control Spike	T	Water	3520C	
MB 400-64540/19-A	Method Blank	T	Water	3520C	
400-28639-1	MW-1	T	Water	3520C	
400-28639-2	MW-2	T	Water	3520C	
400-28639-3	DMW-1	T	Water	3520C	
400-28639-4	MW-3	T	Water	3520C	
400-28639-4MS	Matrix Spike	T	Water	3520C	
400-28639-4MSD	Matrix Spike Duplicate	T	Water	3520C	
400-28639-5	MW-4	T	Water	3520C	
400-28639-6	MW-5	T	Water	3520C	
400-28639-7	MW-6	T	Water	3520C	
400-28639-8	MW-9	T	Water	3520C	
400-28639-9FD	DUPLICATE	T	Water	3520C	
400-28639-10	MW-8	T	Water	3520C	
400-28639-11	MW-3 W.E.S.	T	Water	3520C	
400-28639-12	DMW-2	T	Water	3520C	
400-28639-13	MW-7	T	Water	3520C	
Analysis Batch:400-64914					
LCS 400-64540/18-A	Lab Control Spike	T	Water	8270C	400-64540
MB 400-64540/19-A	Method Blank	T	Water	8270C	400-64540
400-28639-1	MW-1	T	Water	8270C	400-64540
400-28639-2	MW-2	T	Water	8270C	400-64540
400-28639-3	DMW-1	T	Water	8270C	400-64540
400-28639-4	MW-3	T	Water	8270C	400-64540
400-28639-4MS	Matrix Spike	T	Water	8270C	400-64540
400-28639-4MSD	Matrix Spike Duplicate	T	Water	8270C	400-64540
400-28639-5	MW-4	T	Water	8270C	400-64540
400-28639-6	MW-5	T	Water	8270C	400-64540
400-28639-7	MW-6	T	Water	8270C	400-64540
400-28639-8	MW-9	T	Water	8270C	400-64540
400-28639-9FD	DUPLICATE	T	Water	8270C	400-64540
400-28639-10	MW-8	T	Water	8270C	400-64540
400-28639-11	MW-3 W.E.S.	T	Water	8270C	400-64540
400-28639-12	DMW-2	T	Water	8270C	400-64540
400-28639-13	MW-7	T	Water	8270C	400-64540

Report Basis

T = Total

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC VOA					
Analysis Batch:400-64680					
LCS 400-64680/1	Lab Control Spike	T	Water	8021B	
MB 400-64680/2	Method Blank	T	Water	8021B	
400-28639-3	DMW-1	T	Water	8021B	
400-28659-B-1 MS	Matrix Spike	T	Water	8021B	
400-28659-C-1 MSD	Matrix Spike Duplicate	T	Water	8021B	
Analysis Batch:400-64739					
LCS 400-64739/2	Lab Control Spike	T	Water	8021B	
MB 400-64739/3	Method Blank	T	Water	8021B	
400-28639-1	MW-1	T	Water	8021B	
400-28639-2	MW-2	T	Water	8021B	
400-28639-4	MW-3	T	Water	8021B	
400-28639-5	MW-4	T	Water	8021B	
400-28639-6	MW-5	T	Water	8021B	
400-28639-7	MW-6	T	Water	8021B	
400-28639-8	MW-9	T	Water	8021B	
400-28639-9FD	DUPLICATE	T	Water	8021B	
400-28639-10	MW-8	T	Water	8021B	
400-28639-11	MW-3 W.E.S.	T	Water	8021B	
400-28639-12	DMW-2	T	Water	8021B	
400-28639-13	MW-7	T	Water	8021B	
400-28659-B-8 MS	Matrix Spike	T	Water	8021B	
400-28659-C-8 MSD	Matrix Spike Duplicate	T	Water	8021B	

Report Basis

T = Total

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

QC Association Summary

Lab Sample ID	Client Sample ID	Report Basis	Client Matrix	Method	Prep Batch
GC Semi VOA					
Prep Batch: 400-64472					
LCS 400-64472/14-A	Lab Control Spike	T	Water	3520C	
MB 400-64472/15-A	Method Blank	T	Water	3520C	
400-28639-1	MW-1	T	Water	3520C	
400-28639-2	MW-2	T	Water	3520C	
400-28639-3	DMW-1	T	Water	3520C	
400-28639-4	MW-3	T	Water	3520C	
400-28639-5	MW-4	T	Water	3520C	
400-28639-6	MW-5	T	Water	3520C	
400-28639-7	MW-6	T	Water	3520C	
400-28639-8	MW-9	T	Water	3520C	
400-28639-9FD	DUPLICATE	T	Water	3520C	
400-28639-10	MW-8	T	Water	3520C	
400-28639-11	MW-3 W.E.S.	T	Water	3520C	
400-28639-12	DMW-2	T	Water	3520C	
400-28639-13	MW-7	T	Water	3520C	
Analysis Batch:400-64597					
LCS 400-64472/14-A	Lab Control Spike	T	Water	FL-PRO	400-64472
MB 400-64472/15-A	Method Blank	T	Water	FL-PRO	400-64472
400-28639-1	MW-1	T	Water	FL-PRO	400-64472
400-28639-2	MW-2	T	Water	FL-PRO	400-64472
400-28639-3	DMW-1	T	Water	FL-PRO	400-64472
400-28639-4	MW-3	T	Water	FL-PRO	400-64472
400-28639-5	MW-4	T	Water	FL-PRO	400-64472
400-28639-6	MW-5	T	Water	FL-PRO	400-64472
400-28639-7	MW-6	T	Water	FL-PRO	400-64472
400-28639-8	MW-9	T	Water	FL-PRO	400-64472
400-28639-9FD	DUPLICATE	T	Water	FL-PRO	400-64472
400-28639-10	MW-8	T	Water	FL-PRO	400-64472
400-28639-11	MW-3 W.E.S.	T	Water	FL-PRO	400-64472
400-28639-12	DMW-2	T	Water	FL-PRO	400-64472
400-28639-13	MW-7	T	Water	FL-PRO	400-64472

Report Basis

T = Total

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1

Sdg Number: 0407-24605

Surrogate Recovery Report

8021B Aromatic and Halogenated VOCs by Gas Chromatography using PID or ELCD

Client Matrix: Water

Lab Sample ID	Client Sample ID	TFT1 %Rec
400-28639-1	MW-1	97
400-28639-2	MW-2	95
400-28639-3	DMW-1	97
400-28639-4	MW-3	95
400-28639-5	MW-4	95
400-28639-6	MW-5	96
400-28639-7	MW-6	96
400-28639-8	MW-9	96
400-28639-9	DUPLICATE	96
400-28639-10	MW-8	95
400-28639-11	MW-3 W.E.S.	95
400-28639-12	DMW-2	95
400-28639-13	MW-7	95
MB 400-64680/2		97
MB 400-64739/3		97
LCS 400-64680/1		95
LCS 400-64739/2		95
400-28659-B-1 MS		95
400-28659-B-8 MS		95
400-28659-C-1 MSD		95
400-28659-C-8 MSD		97

Surrogate

Acceptance Limits

TFT = a,a,a-Trifluorotoluene (pid)

76-124

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1

Sdg Number: 0407-24605

Surrogate Recovery Report

8270C Semivolatile Compounds by Gas Chromatography/Mass Spectrometry (GC/MS)

Client Matrix: Water

Lab Sample ID	Client Sample ID	FBP %Rec	NBZ %Rec	TPH %Rec
400-28639-1	MW-1	70	64	96
400-28639-2	MW-2	91	85	101
400-28639-3	DMW-1	81	78	93
400-28639-4	MW-3	69	65	95
400-28639-5	MW-4	64	62	85
400-28639-6	MW-5	74	75	102
400-28639-7	MW-6	79	72	91
400-28639-8	MW-9	70	66	94
400-28639-9	DUPLICATE	81	73	97
400-28639-10	MW-8	75	70	97
400-28639-11	MW-3 W.E.S.	71	71	94
400-28639-12	DMW-2	69	66	103
400-28639-13	MW-7	74	71	94
MB 400-64540/19-A		80	77	96
LCS 400-64540/18-A		94	92	103
400-28639-4 MS	MW-3 MS	86	69	107
400-28639-4 MSD	MW-3 MSD	60	60	70

Surrogate	Acceptance Limits
FBP = 2-Fluorobiphenyl	40-100
NBZ = Nitrobenzene-d5	33-92
TPH = Terphenyl-d14	58-114

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1

Sdg Number: 0407-24605

Surrogate Recovery Report

FL-PRO Florida Method for Determination of Petroleum Range Organics by GC/FID

Client Matrix: Water

Lab Sample ID	Client Sample ID	C39 %Rec	OTPH %Rec
400-28639-1	MW-1	65	74
400-28639-2	MW-2	123	113
400-28639-3	DMW-1	9J1	7J1
400-28639-4	MW-3	77	73
400-28639-5	MW-4	85	79
400-28639-6	MW-5	72	75
400-28639-7	MW-6	61	84
400-28639-8	MW-9	76	83
400-28639-9	DUPLICATE	117	96
400-28639-10	MW-8	81	82
400-28639-11	MW-3 W.E.S.	90	89
400-28639-12	DMW-2	63	73
400-28639-13	MW-7	62	66
MB 400-64472/15-A		72	72
LCS 400-64472/14-A		83	72

Surrogate	Acceptance Limits
C39 = n-C39	20-176
OTPH = o-Terphenyl	49-143

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

Method Blank - Batch: 400-64540

Method: 8270C
Preparation: 3520C

Lab Sample ID: MB 400-64540/19-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/25/2008 1526
Date Prepared: 02/21/2008 0757

Analysis Batch: 400-64914
Prep Batch: 400-64540
Units: ug/L

Instrument ID: GC/MSD
Lab File ID: MB64540W.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	Result	Qual	MDL	PQL
Acenaphthene	0.20	U	0.20	10
Acenaphthylene	0.20	U	0.20	10
Anthracene	0.20	U	0.20	10
Benzo[a]anthracene	0.20	U	0.20	10
Benzo[a]pyrene	0.20	U	0.20	10
Benzo[b]fluoranthene	0.20	U	0.20	10
Benzo[g,h,i]perylene	0.20	U	0.20	10
Benzo[k]fluoranthene	0.20	U	0.20	10
Chrysene	0.20	U	0.20	10
Dibenz(a,h)anthracene	0.20	U	0.20	10
Fluoranthene	0.20	U	0.20	10
Fluorene	0.20	U	0.20	10
Indeno[1,2,3-cd]pyrene	0.20	U	0.20	10
Naphthalene	0.50	U	0.50	10
Phenanthrene	0.20	U	0.20	10
Pyrene	0.50	U	0.50	10
1-Methylnaphthalene	1.0	U	1.0	10
2-Methylnaphthalene	0.20	U	0.20	10

Surrogate	% Rec	Acceptance Limits
2-Fluorobiphenyl	80	40 - 100
Nitrobenzene-d5	77	33 - 92
Terphenyl-d14	96	58 - 114

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1

Sdg Number: 0407-24605

Lab Control Spike - Batch: 400-64540

Method: 8270C

Preparation: 3520C

Lab Sample ID: LCS 400-64540/18-A

Analysis Batch: 400-64914

Instrument ID: GC/MSD

Client Matrix: Water

Prep Batch: 400-64540

Lab File ID: LC64540W.D

Dilution: 1.0

Units: ug/L

Initial Weight/Volume: 1000 mL

Date Analyzed: 02/25/2008 1559

Final Weight/Volume: 1.0 mL

Date Prepared: 02/21/2008 0757

Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Acenaphthene	50.0	45.1	90	57 - 120	
Acenaphthylene	50.0	46.9	94	59 - 126	
Anthracene	50.0	44.4	89	66 - 112	
Benzo[a]anthracene	50.0	44.7	89	65 - 119	
Benzo[a]pyrene	50.0	41.6	83	62 - 113	
Benzo[b]fluoranthene	50.0	41.2	82	59 - 112	
Benzo[g,h,i]perylene	50.0	41.6	83	55 - 119	
Benzo[k]fluoranthene	50.0	48.1	96	64 - 132	
Chrysene	50.0	45.8	92	65 - 121	
Dibenz(a,h)anthracene	50.0	57.1	114	26 - 183	
Fluoranthene	50.0	46.1	92	70 - 121	
Fluorene	50.0	46.7	93	66 - 120	
Indeno[1,2,3-cd]pyrene	50.0	42.5	85	57 - 116	
Naphthalene	50.0	44.6	89	45 - 114	
Phenanthrene	50.0	46.7	93	66 - 121	
Pyrene	50.0	50.3	101	64 - 124	
1-Methylnaphthalene	50.0	46.1	92	51 - 121	
2-Methylnaphthalene	50.0	43.9	88	51 - 119	
Surrogate			% Rec	Acceptance Limits	
2-Fluorobiphenyl			94	40 - 100	
Nitrobenzene-d5			92	33 - 92	
Terphenyl-d14			103	58 - 114	

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-64540**

**Method: 8270C
Preparation: 3520C**

MS Lab Sample ID: 400-28639-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/25/2008 1631
Date Prepared: 02/21/2008 0757

Analysis Batch: 400-64914
Prep Batch: 400-64540

Instrument ID: GC/MSD
Lab File ID: MS64540W.D
Initial Weight/Volume: 1040 mL
Final Weight/Volume: 1.0 mL
Injection Volume:

MSD Lab Sample ID: 400-28639-4
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/25/2008 1703
Date Prepared: 02/21/2008 0757

Analysis Batch: 400-64914
Prep Batch: 400-64540

Instrument ID: GC/MSD
Lab File ID: MD64541W.D
Initial Weight/Volume: 1060 mL
Final Weight/Volume: 1.0 mL
Injection Volume:

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Acenaphthene	63	63	47 - 107	3	29		
Acenaphthylene	64	62	49 - 110	4	29		
Anthracene	64	62	54 - 110	5	23		
Benzo[a]anthracene	53	62	48 - 111	14	27		
Benzo[a]pyrene	47	57	32 - 113	18	34		
Benzo[b]fluoranthene	45	59	30 - 116	25	39		
Benzo[g,h,i]perylene	46	57	25 - 118	21	39		
Benzo[k]fluoranthene	50	66	33 - 130	26	44		
Chrysene	54	64	47 - 114	15	28		
Dibenz(a,h)anthracene	62	78	27 - 117	21	42		
Fluoranthene	66	67	54 - 118	1	34		
Fluorene	68	65	50 - 114	7	24		
Indeno[1,2,3-cd]pyrene	47	58	25 - 116	20	40		
Naphthalene	55	58	43 - 97	3	72		
Phenanthrene	67	66	54 - 117	4	21		
Pyrene	67	70	53 - 112	2	22		
1-Methylnaphthalene	61	61	49 - 104	3	38		
2-Methylnaphthalene	57	58	47 - 102	1	37		
Surrogate		MS % Rec	MSD % Rec	Acceptance Limits			
2-Fluorobiphenyl		86	60	40 - 100			
Nitrobenzene-d5		69	60	33 - 92			
Terphenyl-d14		107	70	58 - 114			

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

Method Blank - Batch: 400-64680

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 400-64680/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2008 1634
Date Prepared: 02/22/2008 1634

Analysis Batch: 400-64680
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/PID
Lab File ID: M022155.D
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Benzene	0.40	U	0.40	1.0
Toluene	1.0	U	1.0	5.0
Ethylbenzene	1.0	U	1.0	2.0
Xylenes, Total	1.0	U	1.0	2.0
Methyl tert-butyl ether	1.0	U	1.0	2.0

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (pid)	97	76 - 124

Lab Control Spike - Batch: 400-64680

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 400-64680/1
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/22/2008 1602
Date Prepared: 02/22/2008 1602

Analysis Batch: 400-64680
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/PID
Lab File ID: M022154.D
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	50.6	101	81 - 120	
Toluene	50.0	50.9	102	84 - 118	
Ethylbenzene	50.0	51.1	102	83 - 119	
Xylenes, Total	150	156	104	84 - 118	
Methyl tert-butyl ether	100	97.0	97	71 - 128	

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (pid)	95	76 - 124

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-64680**

**Method: 8021B
Preparation: 5030B**

MS Lab Sample ID: 400-28659-B-1 MS Analysis Batch: 400-64680
Client Matrix: Water Prep Batch: N/A
Dilution: 1.0
Date Analyzed: 02/25/2008 1415
Date Prepared: 02/25/2008 1415

Instrument ID: GC/PID
Lab File ID: M022504.D
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 400-28659-C-1 MSD Analysis Batch: 400-64680
Client Matrix: Water Prep Batch: N/A
Dilution: 1.0
Date Analyzed: 02/25/2008 1447
Date Prepared: 02/25/2008 1447

Instrument ID: GC/PID
Lab File ID: M022505.D
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	104	107	78 - 125	2	14		
Toluene	107	109	71 - 135	2	20		
Ethylbenzene	108	110	80 - 127	2	13		
Xylenes, Total	110	111	79 - 126	1	13		
Methyl tert-butyl ether	95	99	64 - 138	5	24		
Surrogate		MS % Rec	MSD % Rec			Acceptance Limits	
a,a,a-Trifluorotoluene (pid)		95	95			76 - 124	

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

Method Blank - Batch: 400-64739

Method: 8021B
Preparation: 5030B

Lab Sample ID: MB 400-64739/3
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 2300
Date Prepared: 02/21/2008 2300

Analysis Batch: 400-64739
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/PID
Lab File ID: M022122.D
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Result	Qual	MDL	PQL
Benzene	0.40	U	0.40	1.0
Toluene	1.0	U	1.0	5.0
Ethylbenzene	1.0	U	1.0	2.0
Xylenes, Total	1.0	U	1.0	2.0
Methyl tert-butyl ether	1.0	U	1.0	2.0

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (pid)	97	76 - 124

Lab Control Spike - Batch: 400-64739

Method: 8021B
Preparation: 5030B

Lab Sample ID: LCS 400-64739/2
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 2228
Date Prepared: 02/21/2008 2228

Analysis Batch: 400-64739
Prep Batch: N/A
Units: ug/L

Instrument ID: GC/PID
Lab File ID: M022121.D
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Benzene	50.0	49.5	99	81 - 120	
Toluene	50.0	49.6	99	84 - 118	
Ethylbenzene	50.0	49.7	99	83 - 119	
Xylenes, Total	150	152	101	84 - 118	
Methyl tert-butyl ether	100	97.2	97	71 - 128	

Surrogate	% Rec	Acceptance Limits
a,a,a-Trifluorotoluene (pid)	95	76 - 124

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

**Matrix Spike/
Matrix Spike Duplicate Recovery Report - Batch: 400-64739**

**Method: 8021B
Preparation: 5030B**

MS Lab Sample ID: 400-28659-B-8 MS Analysis Batch: 400-64739
Client Matrix: Water Prep Batch: N/A
Dilution: 1.0
Date Analyzed: 02/23/2008 0313
Date Prepared: 02/23/2008 0313

Instrument ID: GC/PID
Lab File ID: M022174.D
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL
Injection Volume:
Column ID: PRIMARY

MSD Lab Sample ID: 400-28659-C-8 MSD Analysis Batch: 400-64739
Client Matrix: Water Prep Batch: N/A
Dilution: 1.0
Date Analyzed: 02/23/2008 0345
Date Prepared: 02/23/2008 0345

Instrument ID: GC/PID
Lab File ID: M022175.D
Initial Weight/Volume: 5.0 mL
Final Weight/Volume: 5.0 mL
Injection Volume:
Column ID: PRIMARY

Analyte	% Rec.		Limit	RPD	RPD Limit	MS Qual	MSD Qual
	MS	MSD					
Benzene	105	104	78 - 125	1	14		
Toluene	106	106	71 - 135	1	20		
Ethylbenzene	108	107	80 - 127	1	13		
Xylenes, Total	109	108	79 - 126	1	13		
Methyl tert-butyl ether	97	96	64 - 138	1	24		
Surrogate	MS % Rec		MSD % Rec	Acceptance Limits			
a,a,a-Trifluorotoluene (pid)	95		97	76 - 124			

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

Quality Control Results

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1
Sdg Number: 0407-24605

Method Blank - Batch: 400-64472

Method: FL-PRO
Preparation: 3520C

Lab Sample ID: MB 400-64472/15-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1142
Date Prepared: 02/20/2008 1001

Analysis Batch: 400-64597
Prep Batch: 400-64472
Units: ug/L

Instrument ID: GC/FID/FID
Lab File ID: 2901029.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 1.6 mL
Injection Volume:

Analyte	Result	Qual	MDL	PQL
Total Petroleum Hydrocarbons (C8-C40)	18	U	18	120

Surrogate	% Rec	Acceptance Limits
n-C39	72	20 - 176
o-Terphenyl	72	49 - 143

Lab Control Spike - Batch: 400-64472

Method: FL-PRO
Preparation: 3520C

Lab Sample ID: LCS 400-64472/14-A
Client Matrix: Water
Dilution: 1.0
Date Analyzed: 02/21/2008 1147
Date Prepared: 02/20/2008 1001

Analysis Batch: 400-64597
Prep Batch: 400-64472
Units: ug/L

Instrument ID: GC/FID/FID
Lab File ID: 3001030.D
Initial Weight/Volume: 1000 mL
Final Weight/Volume: 2.0 mL
Injection Volume:

Analyte	Spike Amount	Result	% Rec.	Limit	Qual
Total Petroleum Hydrocarbons (C8-C40)	3400	2180	64	41 - 133	

Surrogate	% Rec	Acceptance Limits
n-C39	83	20 - 176
o-Terphenyl	72	49 - 143

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

400
Chain of Custody Record

400-28639
Lab Report No.:

Company: AEROSTAR	Gulf Coast LabNet, Inc. An Environmental Lab Services Co.	Modified from DEP Form #: 62-770.900(2) Page of 2
Address: 4640 S. CARROLLTAN AVE. NEW ORLEANS, LA 70119	Phone: (251) 625-1331 Fax: (251) 625-1299	FDEP Facility No.:
		Project Name: NAS PENSACOLA
		Location: BLDG. 782
		Project No.: 0407-24605

Attn: EMILIE WIEN		Phone:		Sampler Signature		8021 8270		H H S		←Preservative			
Sampled by (Print Name)/Affiliation Curtis R Mills		Fax:		Sampler Signature		BTEX / MTBE		PAH		←Analysis			
						FL-PRO				REQUESTED DUE DATE			
Item No.	Field ID No.	Sampled		Grab or Comp.	Matrix Codes	No. Cont.	BTEX	PAH	FL-PRO			Remarks	Lab. No.
		Date	Time										
	MW-1	2/18/08	1021	G	GW	4	X	X	X				
	MW-2	2/18/08	1205		GW	4	X	X	X				
	DW-1	2/18/08	1326		GW	4	X	X	X				
	MW-3	2/18/08	1400		GW	12	X	X	X				
	MW-4	2/18/08	1437		GW	12	X	X	X				
	MW-5	2/18/08	1512		GW	4	X	X	X				
	MW-6	2/18/08	1543		GW	4	X	X	X				
	MW-9	2/18/08	1635		GW	4	X	X	X				
	Duplicate	2/18/08			GW	4	X	X	X				

Shipment Method		52 ←Total Number of Containers										
Out: / /	Via:	Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time				
Returned: / /	Via:		EMPTY CONTAINERS	2-18-08	0700	Curtis Mills / AES	2-18-08	0700				
Additional Comments 007			<i>[Signature]</i> / AES	2/18/08	7:20 pm	<i>[Signature]</i> / GCL	2/18/08	1920				
			<i>[Signature]</i> / GCL	2-19-08	1200	<i>[Signature]</i> / GCL	2-19-08	1200				
			<i>[Signature]</i> / GCL	2/19/08	1340	Raven Hedaria	02-19-08	1340				
		Cooler No.(s) / Temperature(s) (°C)			Sampling Kit No.		Equipment ID No.					
		0.20C, 0.0C			7255							

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)
 PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

40-28639

Chain of Custody Record

Lab Report No.:

Company: AEROSTAR	Gulf Coast LabNet, Inc. An Environmental Lab Services Co. Phone: (251) 625-1331 Fax: (251) 625-1299	Modified from DEP Form #: 62-770.900(2)	Page 2 of 2
Address: 4040 S. CARROLLTAN AVE. NEW ORLEANS, LA 70119		FDEP Facility No.:	Project Name: NAS PENSACOLA
Attn: EMILIE WIEN		Project No.: 0407-24605	

Item No.	Field ID No.	Sampled		Grab or Comp.	Matrix Codes	No. Cont.	H	I	S	Preservative	Analysis	REQUESTED DUE DATE	Remarks	Lab. No.
		Date	Time											
	MW-10	2/18/08	1705	G	GW	4	X	X	X					
	DW-2	2/18/08	1701	↓	GW	4	X	X	X					
	MW-7	2/18/08	1752	↓	GW	4	X	X	X					

Shipment Method		110 ← Total Number of Containers												
Out: / /	Via:	Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation		Date	Time					
Returned: / /	Via:		EMPTY CONTAINERS	2-18-08	0700	Curtis Mills / AES		2-18-08	0700					
Additional Comments 007			[Signature] / AES	2/18/08	7:20pm	[Signature] / GCL		2-18-08	1920					
			[Signature] / GCL	2-19-08	1200	[Signature] / JNM		2-19-08	1200					
			[Signature] / JNM	2/19/08	1340	Raven Hedania		02-19-08	1340					
Cooler No.(s) / Temperature(s) (°C)				Sampling Kit No.		Equipment ID No.								
0.2°C 0.0°C				7255										

MATRIX CODES: A = Air GW = Groundwater SE = Sediment SO = Soil SW = Surface Water W = Water (Blanks) O = Other (specify)
 PRESERVATIVE CODES: H = Hydrochloric acid + ice I = Ice only N = Nitric acid + ice S = Sulfuric acid + ice O = Other (specify)

Login Sample Receipt Check List

Client: Aerostar Environmental Services, Inc.

Job Number: 400-28639-1

SDG Number: 0407-24605

Login Number: 28639

List Source: TestAmerica Pensacola

Creator: Chea, Vanda

List Number: 1

Question	T / F / NA	Comment
Radioactivity either was not measured or, if measured, is at or below background	N/A	
The cooler's custody seal, if present, is intact.	True	
The cooler or samples do not appear to have been compromised or tampered with.	True	
Samples were received on ice.	True	
Cooler Temperature is acceptable.	True	
Cooler Temperature is recorded.	True	0.2°C, 0.0°C
COC is present.	True	
COC is filled out in ink and legible.	True	
COC is filled out with all pertinent information.	True	
There are no discrepancies between the sample IDs on the containers and the COC.	True	Client requested -11 MW-10 be changed to MW-3 W.E.S. 08/12/08 cdh
Samples are received within Holding Time.	True	
Sample containers have legible labels.	True	
Containers are not broken or leaking.	True	
Sample collection date/times are provided.	True	
Appropriate sample containers are used.	True	
Sample bottles are completely filled.	True	
There is sufficient vol. for all requested analyses, incl. any requested MS/MSDs	True	Extra volume provided for (-4) MW-3.
VOA sample vials do not have headspace or bubble is <6mm (1/4") in diameter.	True	
If necessary, staff have been informed of any short hold time or quick TAT needs	True	
Multiphasic samples are not present.	True	
Samples do not require splitting or compositing.	True	