N00204.AR.002125
NAS PENSACOLA
5090.3a

FOURTH QUARTER, YEAR 2006
QUARTERLY GROUNDWATER MONITORING REPORT
UNDERGROUND STORAGE TANK SITE 17
NAVAL AIR STATION PENSACOLA
PENSACOLA, FLORIDA

Contract No. N62467-03-G-0110
Contract Task Order No. 0007

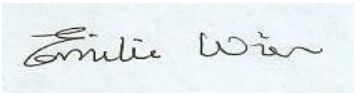
PREPARED FOR:

United States Naval Facilities
Engineering Command
Southern Division
2155 Eagle Drive
North Charleston, South Carolina 29406

PREPARED BY:

Aerostar Environmental Services, Inc.
803 Government Street, Suite A
Mobile, Alabama 36602
(251) 432-2664

JANUARY 2007



January 2007

Emilie A. Wien, Project Manager — Date

January 2007

William K. Parrish, P.G., Senior Project Geologist — Date

CERTIFICATION

PROFESSIONAL GEOLOGIST LICENSED IN THE STATE OF FLORIDA

This is to certify that the geological and hydrogeological features of the ***Fourth Quarter, Year 2006, Quarterly Groundwater Monitoring Report, Underground Storage Tank Site 17, Naval Air Station Pensacola, Florida*** have been examined by the undersigned.

Signed:_____

William K. Parrish, P.G.
State of Florida License No. 1361
Date Signed: January 2007

TABLE OF CONTENTS

1.0 INTRODUCTION 1

1.1 Site Description and History 1

2.0 BACKGROUND 2

3.0 SITE ASSESSMENT ACTIVITIES 4

3.1 Groundwater Elevation Measurements 4
3.2 Groundwater Sample Collection 4

4.0 RESULTS OF THE SITE ASSESSMENT 5

4.1 Groundwater Flow Direction 5
4.2 Groundwater Laboratory Analysis 5

5.0 SUMMARY AND RECOMMENDATIONS 7

FIGURES

FIGURE 1: Street Site Location Map
FIGURE 2: Site Map
FIGURE 3: Groundwater Elevation Map (December 4, 2006)
FIGURE 4: Benzo(b)flouranthene Concentrations in Groundwater (December 4, 2006)

TABLES

TABLE 1: Groundwater Elevation Table
TABLE 2: Groundwater Analytical Summary

APPENDICES

APPENDIX A: Groundwater Sampling Logs
APPENDIX B: Laboratory Analytical Results and Chain-of-Custody

1.0 INTRODUCTION

Aerostar Environmental Services, Inc. (AEROSTAR) has prepared the Fourth Quarter, Year 2006, Quarterly Groundwater Monitoring Report for Underground Storage Tank (UST) Site 17, Naval Air Station (NAS) Pensacola, Florida, hereafter referred to as the site. This report was prepared for the United States Navy Southern Division, Naval Facilities Engineering Command under Contract Task Order (CTO) 0007 for one year of quarterly groundwater monitoring. This report summarizes the sixth groundwater sampling event under Basic Order Agreement (BOA) Contract No. N62467-03-G-0110. A Street Site Location Map is presented as Figure 1.

1.1 Site Description and History

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.

UST Site 17 is located southwest of the intersection of North Avenue and East Avenue, in the southeast corner of the facility. The site is located approximately 500 feet west of Pensacola Bay and is approximately 200 by 200 feet in size. The majority of the site is grass-covered with asphalt parking areas along the eastern and southern borders. NAS Pensacola Building 804 is located to the southwest of the site. The site was originally identified in 1985 when a leak in a marine diesel fuel pipeline was discovered. In July 1986, a pump and treat groundwater remediation system was installed and operated until February 1989. An equipment storage area, surrounded by a privacy fence is located near the center of the site, and previously housed the equipment used for the active pump and treat remediation system. A Site Map is presented as Figure 2.

2.0 BACKGROUND

On March 4, 1997, The Florida Department of Environmental Protection (FDEP) issued a Monitoring Only Plan (MOP) Approval Order for UST Site 17. In accordance with the Approval Order, quarterly groundwater monitoring began in September 1997. On March 10, 1998, the FDEP issued a new MOP Approval Order which cancelled the initial MOP Approval Order (March 4, 1997), and required the installation of an additional monitoring well (MW-9). The revised MOP Approval Order designated three monitoring wells (MW-2, MW-7, and MW-11) as contaminated wells, three monitoring wells (MW-1, MW-3, and MW-9) as perimeter wells, and also established contaminants of concern (COC), testing frequency, and site-specific action levels.

Data generated from the quarterly groundwater monitoring events performed between June 27, 2000 and June 9, 2004 indicated that for eight consecutive quarterly monitoring events benzene, toluene, ethylbenzene, and total xylenes (BTEX) and methyl *tertiary* butyl ether (MTBE) had not exceeded the FDEP Groundwater Cleanup Target Levels (GCTLs); however, petroleum aromatic hydrocarbon (PAH) constituents had remained above their respective GCTLs. Based on these results, it was concluded that Natural Attenuation alone was not effective in reducing site contaminant concentrations. Therefore, Tetra Tech NUS, Inc. of Pittsburgh, Pennsylvania, recommended the implementation of a treatability study for Oxygen Reduction Compound (ORC)® to enhance natural attenuation at UST Site 17.

Tetra Tech NUS, Inc. completed a Treatability Study Evaluation Report (TSER) in October 2004. After ORC® injection, PAH groundwater concentrations initially increased and then decreased to below the GCTLs in the source area (MW-7 and MW-11). The post-injection analytical results indicated that the original plume where the injections had occurred was mitigated, but that groundwater exceedances remained outside of the ORC® injection area. The Natural Attenuation parameters indicated that moderately reducing to slightly oxidizing conditions were occurring across the site.

In July 2005, AEROSTAR was awarded BOA Contract No. N62467-03-G-0110 CTO 0007 for one year of quarterly groundwater monitoring. Contaminant concentrations continued to be present above regulatory GCTLs. It was recommended that quarterly sampling continue in 2006.

In July 2006, AEROSTAR was re-awarded BOA Contract No. N62467-03-G-0110 CTO 0007 for one year of quarterly groundwater monitoring. The contract was modified on July 25, 2006 under Statement of Work Number 5002 in order to replace three monitoring wells (MW-2, MW-4, and MW-11)

that were damaged or destroyed during the demolition of Building 804. Monitoring wells MW-2R, MW-4R, and MW-11R were replaced on September 27, 2006.

3.0 SITE ASSESSMENT ACTIVITIES

This section describes the field tasks completed on December 4, 2006 during the Fourth Quarter, Year 2006. Field tasks included measuring the depth to groundwater and collecting groundwater samples from eight (8) monitor wells. The following sections detail the scope of work for the assessment activities conducted at the site.

3.1 Groundwater Elevation Measurements

AEROSTAR mobilized to the site on December 4, 2006, to collect depth-to-water (DTW) measurements from groundwater monitoring wells MW-1, MW-2R, MW-3, MW-4R, MW-5, MW-7, MW-9, and MW-11R. Prior to gauging the depths-to-water, the well caps were removed and the water levels were allowed to stabilize for at least 15 minutes. The DTW was measured to the nearest 0.01' using an electronic water level indicator and recorded on a field sample collection log. The estimated direction of groundwater flow is discussed in Section 4.1.

3.2 Groundwater Sample Collection

AEROSTAR collected groundwater samples on December 4, 2006 from monitor wells MW-1, MW-2R, MW-3, MW-4R, MW-5, MW-7, MW-9, and MW-11R to evaluate groundwater quality. The groundwater samples were collected utilizing a variable speed peristaltic pump. Groundwater sampling procedures were conducted in accordance with the guidelines established in the Work Plan and the FDEP Standard Operating Procedures (SOP)-01/01, revision date June 8, 2004. The groundwater samples were transferred into the appropriate laboratory supplied sample containers, placed on ice, and delivered under chain-of-custody, to a Navy-approved laboratory for analyses per Environmental Protection Agency (EPA) Method 8310 for PAHs. Severn Trent Laboratory, Inc. (STL) of Pensacola, Florida, was utilized during this monitoring event.

The FDEP groundwater sampling logs are included in **Appendix A**. The results of the groundwater laboratory analyses are detailed in Section 4.2, and included in **Appendix B**.

4.0 RESULTS OF THE SITE ASSESSMENT

4.1 Groundwater Flow Direction

DTW measurements were collected from eight (8) monitor wells on December 4, 2006. DTW and total depth of each monitor well were recorded and are presented in **Table 1.** DTW measurements were subtracted from the corresponding top of casing elevations for each well to derive groundwater elevations from which to create a groundwater contour map. The groundwater flow direction is towards the southeast, which is consistent with historical groundwater flow data. **Figure 3** illustrates the groundwater flow direction for the December 2006 quarterly monitoring event.

4.2 Groundwater Laboratory Analysis

Groundwater samples collected from MW-1, MW-2R, MW-3, MW-4R, MW-5, MW-7, MW-9, and MW-11R were submitted to STL for PAH analysis per EPA Method 8310.

PAH concentrations were either below laboratory detection limits or below their respective GCTL in monitor well MW-5, according to Chapter 62-777, Florida Administrative Code (F.A.C.).

Anthracene was detected in monitoring well MW-1, MW-7, MW-9, and MW-11R at concentrations ranging between 0.203 micrograms per liter (µg/L) and 0.663 µg/L. All detected anthracene concentrations were below the GCTL (Ch. 62-777, F.A.C.) of 2100 µg/L.

Benzo(a)pyrene was detected in monitoring well MW-7 at a concentration of 0.174 µg/L, which is below the GCTL (Ch. 62-777, F.A.C.) of 0.200 µg/L.

Benzo(b)flouranthene was detected in monitoring well MW-7 at a concentration of 0.193 µg/L, which is above the GCTL (Ch. 62-777, F.A.C.) of 0.050 µg/L.

Fluoranthene and phenanthrene were detected in monitoring well MW-1 at concentrations of 0.367 µg/L and 0.445 µg/L, which is below the GCTLs (Ch. 62-777, F.A.C.) of 280 µg/L and 210 µg/L, respectively.

Flourene was detected in monitoring well MW-1, MW-7, MW-9, and MW-11R at concentrations ranging between 0.642 µg/L and 1.65 µg/L. All detected flourene concentrations were below the GCTL (Ch. 62-777, F.A.C.) of 280 µg/L.

1-Methylnaphthalene was detected in monitoring well MW-7 and MW-11R at concentrations of 1.65 µg/L and 2.62 µg/L, which is below the GCTL (Ch. 62-777, F.A.C.) of 28.0 µg/L.

Naphthalene was detected in monitoring well MW-9 at a concentration of 0.214 µg/L, which is below the GCTL (Ch. 62-777, F.A.C.) of 14 µg/L.

Pyrene was detected in monitoring wells MW-1, MW-9, and MW-11R at concentrations ranging between 0.250 µg/L and 1.59 µg/L, which is below the GCTL (Ch. 62-777, F.A.C.) of 210 µg/L.

The results of the groundwater laboratory analysis are summarized in **Table 2**. The COC concentration above the GCTL (Ch. 62-777, F.A.C.) from the December 2006 sampling event is illustrated in **Figure 4**. The laboratory analytical results with appropriate chain-of-custody records are included in **Appendix B**.

5.0 SUMMARY AND RECOMMENDATIONS

AEROSTAR conducted groundwater monitoring activities on December 4, 2006 during the Fourth Quarter, Year 2006. Based on the findings of the investigation, AEROSTAR presents the following conclusions:

- The groundwater flow direction during the Fourth Quarter, Year 2006 at UST Site 17 is to the southeast, which is consistent with previously reported groundwater flow data.
- PAH concentrations were either below laboratory detection limits or below their respective GCTL in monitoring wells MW-1, MW-2R, MW-3, MW-4R, MW-5, MW-9, and MW-11R.
- With the excetion of benzo(b)flouranthene, all PAH concentrations in MW-7 were either below laboratory detection limits or below their respective GCTL. Benzo(b)flouranthene, was detected at a concentration of 0.193 µg/L, which is above the GCTL of 0.050 µg/L. Benzo(b)flouranthene has not previously been detected at MW-7.

AEROSTAR recommends continuing quarterly groundwater sampling in accordance with CTO 0007 in order to monitor the stability of COC concentrations, notably benzp(b)flouranthene at MW-7, in groundwater for at least two additional quarters.

FIGURES

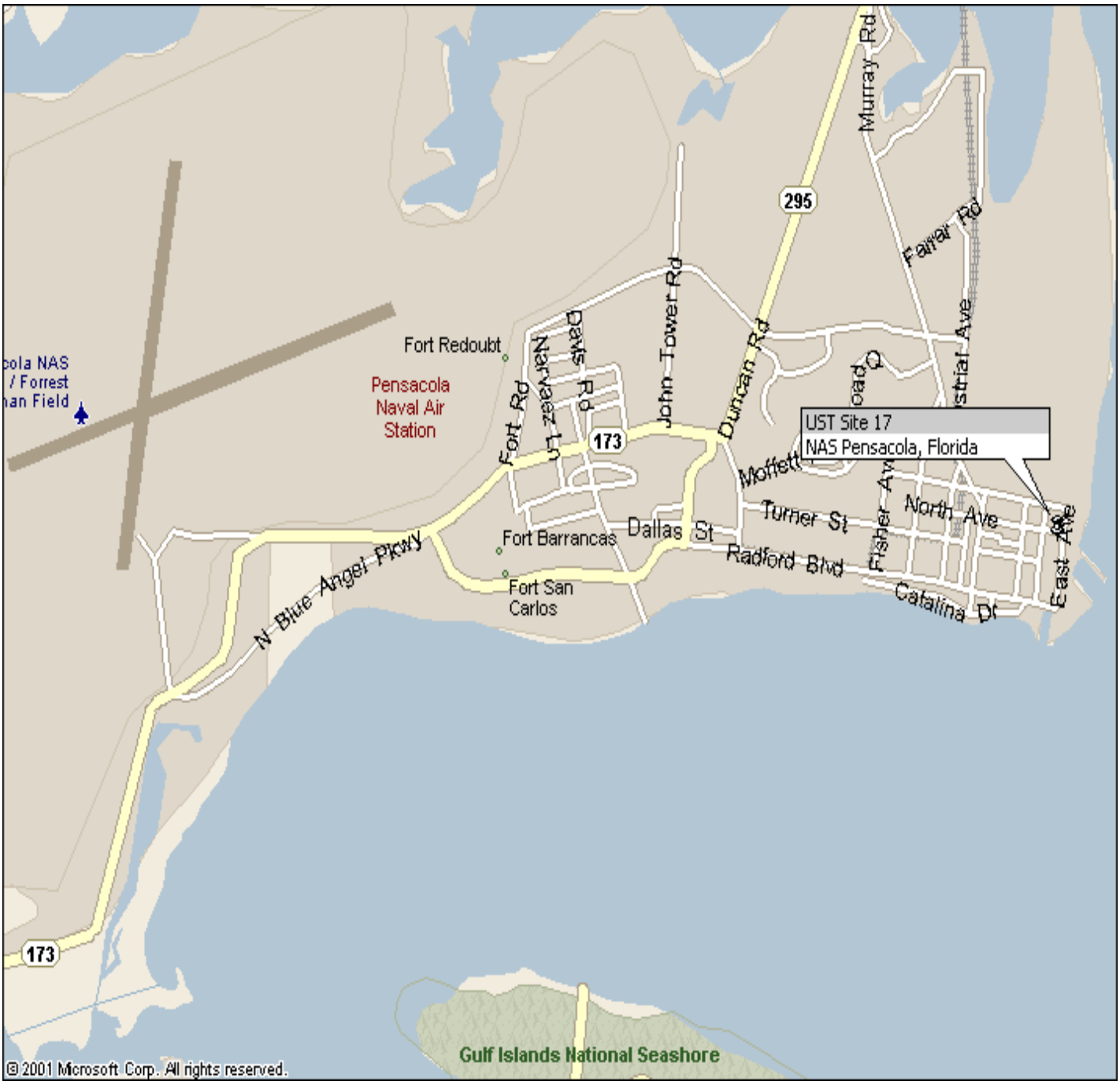
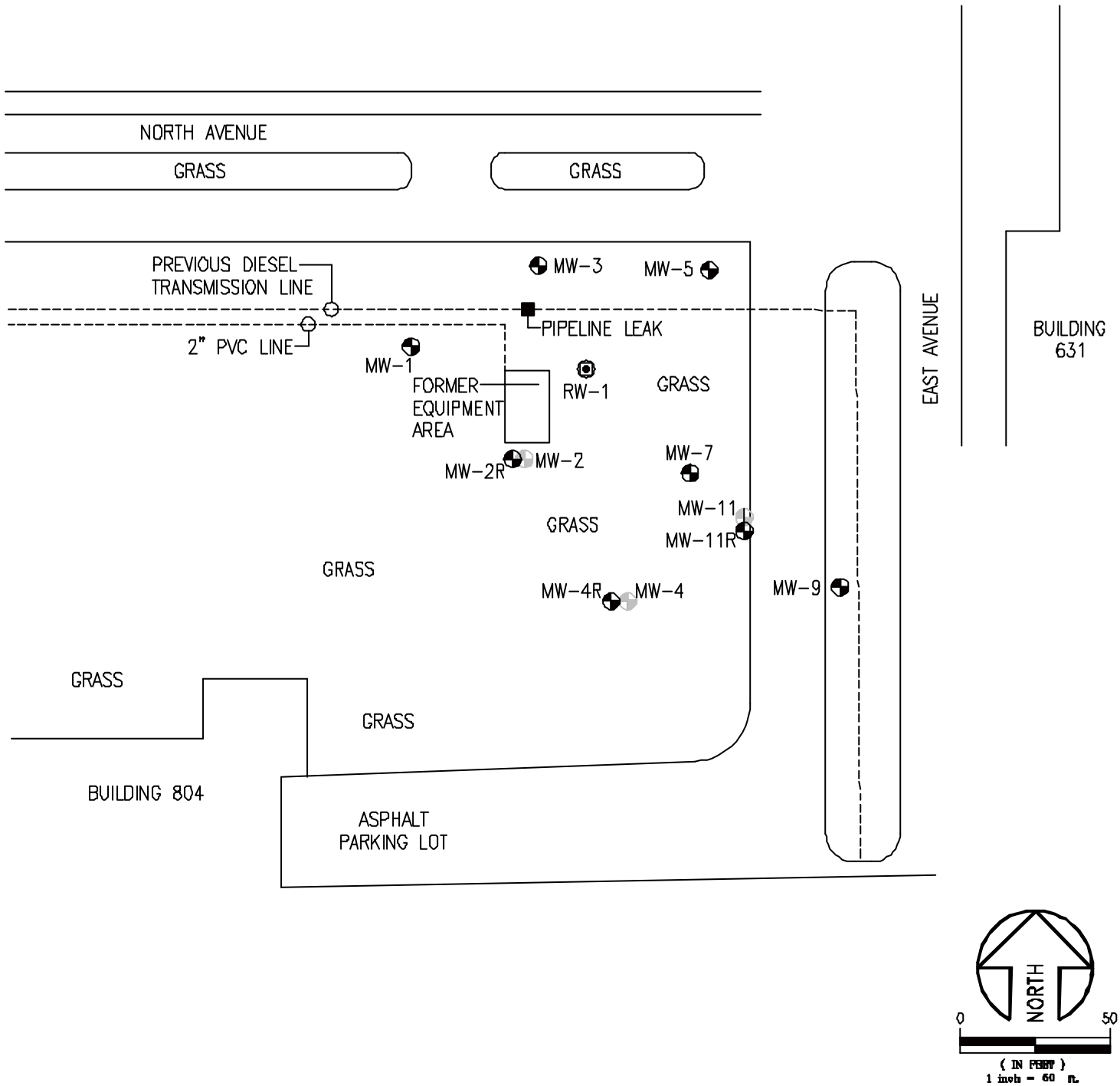


FIGURE 1 STREET SITE LOCATION MAP

AEROSTAR ENVIRONMENTAL SERVICES, INC.	UNDERGROUND STORAGE TANK SITE 17 NAVAL AIR STATION PENSACOLA PENSACOLA, ESCAMBIA COUNTY FLORIDA	DRAWN BY: EAW REFERENCE: MAP OF PENSACOLA, FLORIDA PREPARED BY: THE MICROSOFT CORP.



JOB #: 0405-211-24

FIGURE 2 - SITE MAP

AEROSTAR ENVIRONMENTAL SERVICES, INC.

UST SITE 17
QUARTERLY GROUNDWATER MONITORING REPORT
NAS PENSACOLA
PENSACOLA, FLORIDA

SCALE: 1" = 50'-0"

DATE: JANUARY 2007

DRAWN BY: E.W.

LEGEND

MW-1 MONITORING WELL LOCATION

RW-1 RECOVERY WELL LOCATION

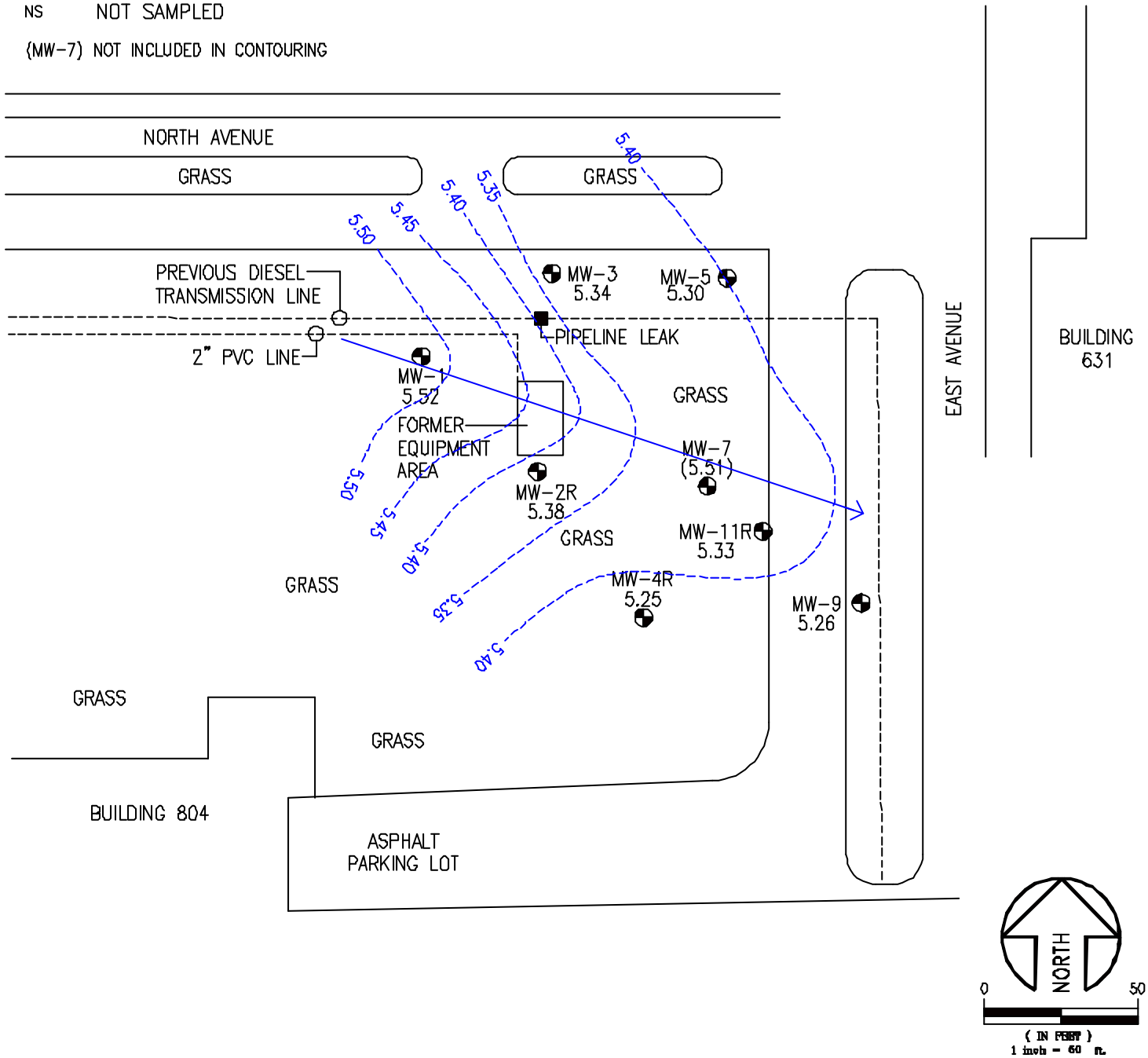
6.03 GROUNDWATER ELEVATION (FT)

---6.05 GROUNDWATER ELEVATION CONTOUR (FT)

FLOW DIRECTION

NS NOT SAMPLED

(MW-7) NOT INCLUDED IN CONTOURING



JOB #: 0405-211-24

FIGURE 3 – GROUNDWATER ELEVATION MAP (12/04/06)

AEROSTAR ENVIRONMENTAL SERVICES, INC.

UST SITE 17
QUARTERLY GROUNDWATER MONITORING REPORT
NAS PENSACOLA
PENSACOLA, FLORIDA

SCALE: 1" = 50'-0"

DATE: JANUARY 2007

DRAWN BY: WIEN

LEGEND

MW-1 MONITORING WELL LOCATION

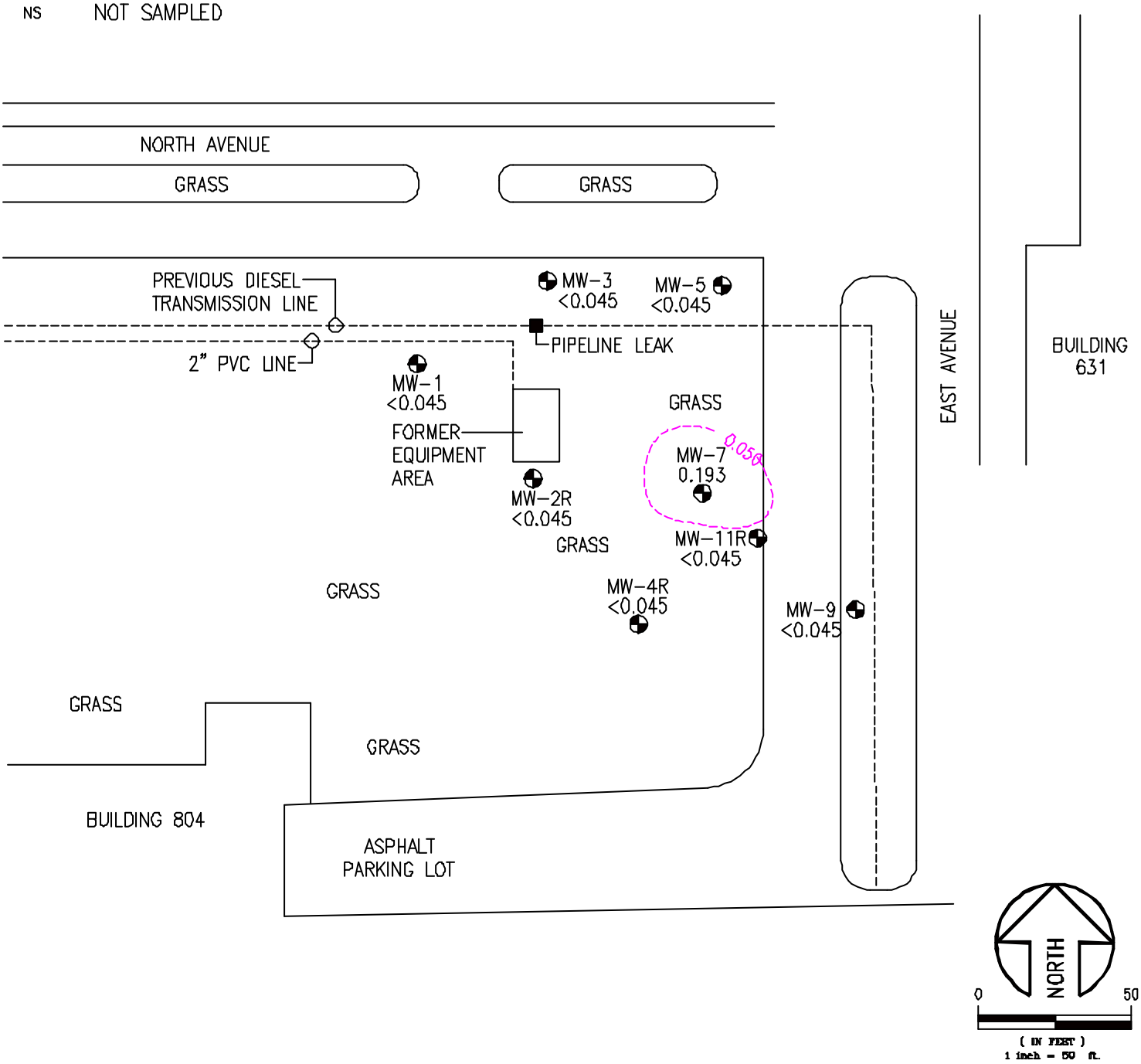
RW-1 RECOVERY WELL LOCATION

0.193 BENZO(b)FLUORANTHENE (ug/L)

---0.050 BENZO(b)FLUORANTHENE CONTOUR (ug/L)

BENZO(b)FLUORANTHENE GCTL= 0.050 ug/L

NS NOT SAMPLED



JOB #: 0405-211-24

FIGURE 4 - BENZO(b)FLUORANTHENE CONCENTRATION IN GROUNDWATER (12/04/06)

AEROSTAR ENVIRONMENTAL SERVICES, INC.

UST SITE 17
QUARTERLY GROUNDWATER MONITORING REPORT
NAS PENSACOLA
PENSACOLA, FLORIDA

SCALE: 1" = 50'-0"

DATE: JANUARY 2007

DRAWN BY: WIEN

TABLES

TABLE 1
GROUNDWATER ELEVATION TABLE

UST Site 17
NAS Pensacola
Pensacola, Florida

WELL DESIGNATION		MW-1			MW-2			MW-2R			MW-3			MW-4			MW-4R	
DIAMETER		2	in.		2	in.		2	in.		2	in.		2	in.		2	in.
WELL DEPTH		14.81	feet		15.45	feet		14.30	feet		14.41	feet		15.00	feet		14.78	feet
SCREEN INTERVAL		--	feet		--	feet		4.30-14.30	feet		--	feet		--	feet		4.78-14.78	feet
TOC ELEVATION*		9.80	feet		9.82	feet		10.28	feet		9.60	feet		10.00	feet		11.18	feet
DATE	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL
6/27/2000	NA	NA	--	NA	NA	--	--	--	--	NA	NA	--	NA	NA	--	--	--	--
11/4/2000	NA	NA	--	NA	NA	--	--	--	--	NA	NA	--	NA	NA	--	--	--	--
2/16/2001	NA	NA	--	NA	NA	--	--	--	--	NA	NA	--	NA	NA	--	--	--	--
5/24/2001	NA	NA	--	NA	NA	--	--	--	--	NA	NA	--	NA	NA	--	--	--	--
3/11/2002	NA	NA	--	NA	NA	--	--	--	--	NA	NA	--	NA	NA	--	--	--	--
6/17/2002	NA	NA	--	NA	NA	--	--	--	--	NA	NA	--	NA	NA	--	--	--	--
9/19/2002	NA	NA	--	NA	NA	--	--	--	--	NA	NA	--	NA	NA	--	--	--	--
1/8/2003	NA	NA	--	NA	NA	--	--	--	--	NA	NA	--	NA	NA	--	--	--	--
6/24/2003	NA	NA	--	NA	NA	--	--	--	--	NA	NA	--	NA	NA	--	--	--	--
9/23/2003	6.36	3.44	--	6.30	3.52	--	--	--	--	6.33	3.27	--	6.20	3.80	--	--	--	--
12/8/2003	5.56	4.24	--	5.50	4.32	--	--	--	--	5.49	4.11	--	5.39	4.61	--	--	--	--
3/8/2004	5.80	4.00	--	5.62	4.20	--	--	--	--	5.65	3.95	--	5.55	4.45	--	--	--	--
6/9/2004	5.61	4.19	--	5.60	4.22	--	--	--	--	5.60	4.00	--	5.48	4.52	--	--	--	--
8/16/2005	5.85	3.95	--	CNL	CNL	--	--	--	--	5.76	3.84	--	CNL	CNL	--	--	--	--
12/20/2005	6.00	3.80	--	CNL	CNL	--	--	--	--	6.11	3.49	--	CNL	CNL	--	--	--	--
3/4/2006	5.56	4.24	--	CNL	CNL	--	--	--	--	5.53	4.07	--	CNL	CNL	--	--	--	--
6/21/2006	5.47	4.33	--	CNL	CNL	--	--	--	--	5.39	4.21	--	CNL	CNL	--	--	--	--
9/29/2006	6.15	3.65	--	CNL	CNL	--	6.04	4.24	--	6.08	3.52	--	CNL	CNL	--	5.97	5.21	--
12/4/2006	5.52	4.28	--	CNL	CNL	--	5.38	4.90	--	5.34	4.26	--	CNL	CNL	--	5.25	5.93	--

** Elevations based on an assumed datum.*
BTOC = Below Top of Casing
CNL= Could Not Locate
BGS = Below Ground Surface
AMSL = Above Mean Sea Level based on an estimated site elevation of 25 feet amsl
NE=Not Encountered
NA-No Data Available
NS-Monitor well not measured because monitor well is not in the work plan
**Information obtained prior to August 2005 was extracted from the Treatability Study Evaluation Report performed by Tetra Tech NUS of Pittsburgh, Pennsylvania.*
Replacement monitoring wells MW-2R, MW-4R, and MW-11R were installed on September 27, 2006

TABLE 1
GROUNDWATER ELEVATION TABLE

UST Site 17
NAS Pensacola
Pensacola, Florida

WELL DESIGNATION		MW-5			MW-6			MW-7			MW-9	
DIAMETER		2	in.		2	in.		2	in.		2	in.
WELL DEPTH		15.22	feet		13.90	feet		14.55	feet		15.67	feet
SCREEN INTERVAL		--	feet		--	feet		--	feet		--	feet
TOC ELEVATION*		9.42	feet		9.36	feet		9.86	feet		9.58	feet
DATE	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL
6/27/2000	NA	NA	--	NA	NA	--	NA	NA	--	NA	NA	--
11/4/2000	NA	NA	--	NA	NA	--	NA	NA	--	NA	NA	--
2/16/2001	NA	NA	--	NA	NA	--	NA	NA	--	NA	NA	--
5/24/2001	NA	NA	--	NA	NA	--	NA	NA	--	NA	NA	--
3/11/2002	NA	NA	--	NA	NA	--	NA	NA	--	NA	NA	--
6/17/2002	NA	NA	--	NA	NA	--	NA	NA	--	NA	NA	--
9/19/2002	NA	NA	--	NA	NA	--	NA	NA	--	NA	NA	--
1/8/2003	NA	NA	--	NA	NA	--	NA	NA	--	NA	NA	--
6/24/2003	NA	NA	--	NA	NA	--	NA	NA	--	NA	NA	--
9/23/2003	6.33	3.09	--	6.40	2.96	--	6.21	3.65	--	6.14	3.44	--
12/8/2003	5.45	3.97	--	5.51	3.85	--	5.46	4.40	--	5.25	4.33	--
3/8/2004	5.61	3.81	--	5.76	3.6	--	5.51	4.35	--	5.38	4.20	--
6/9/2004	5.50	3.92	--	5.72	3.64	--	5.60	4.26	--	5.38	4.20	--
8/16/2005	5.72	3.70	--	NS	NS	--	5.66	4.20	--	5.58	4.00	--
12/20/2005	5.90	3.52	--	NS	NS	--	5.86	4.00	--	5.63	3.95	--
3/4/2006	5.44	3.98	--	NS	NS	--	5.38	4.48	--	5.27	4.31	--
6/21/2006	5.40	4.02	--	NS	NS	--	5.36	4.50	--	5.27	4.31	--
9/29/2006	6.02	3.40	--	NS	NS	--	6.05	3.81	--	5.97	3.61	--
12/4/2006	5.30	4.12	--	NS	NS	--	5.51	4.35	--	5.26	4.32	--

** Elevations based on an assumed datum.*
BTOC = Below Top of Casing
CNL= Could Not Locate
BGS = Below Ground Surface
AMSL = Above Mean Sea Level based on an estimated site elevation of 25 feet amsl
NE=Not Encountered
NA-No Data Available
NS-Monitor well not measured because monitor well is not in the work plan
**Information obtained prior to August 2005 was extracted from the Treatability Study Evaluation Report performed by Tetra Tech NUS of Pittsburgh, Pennsylvania.*
Replacement monitoring wells MW-2R, MW-4R, and MW-11R were installed on September 27, 2006

TABLE 1
GROUNDWATER ELEVATION TABLE

UST Site 17
NAS Pensacola
Pensacola, Florida

WELL DESIGNATION		MW-10			MW-11			MW-11R	
DIAMETER		2	in.		2	in.		2	in.
WELL DEPTH		15.13	feet		12.60	feet		14.84	feet
SCREEN INTERVAL		--	feet		--	feet		4.84-14.84	feet
TOC ELEVATION*		8.97	feet		10.11	feet		10.91	feet
* Elevations based on an assumed datum.									
DATE	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL	ELEV*	DTW	LNAPL
6/27/2000	NA	NA	--	NA	NA	--	--	--	--
11/4/2000	NA	NA	--	NA	NA	--	--	--	--
2/16/2001	NA	NA	--	NA	NA	--	--	--	--
5/24/2001	NA	NA	--	NA	NA	--	--	--	--
3/11/2002	NA	NA	--	NA	NA	--	--	--	--
6/17/2002	NA	NA	--	NA	NA	--	--	--	--
9/19/2002	NA	NA	--	NA	NA	--	--	--	--
1/8/2003	NA	NA	--	NA	NA	--	--	--	--
6/24/2003	NA	NA	--	NA	NA	--	--	--	--
9/23/2003	6.27	2.7	--	6.18	3.93	--	--	--	--
12/8/2003	5.30	3.67	--	5.33	4.78	--	--	--	--
3/8/2004	5.37	3.6	--	5.46	4.65	--	--	--	--
6/9/2004	5.49	3.48	--	5.40	4.71	--	--	--	--
8/16/2005	NS	NS	--	CNL	CNL	--	--	--	--
12/20/2005	NS	NS	--	CNL	CNL	--	--	--	--
3/4/2006	CNL	CNL	--	CNL	CNL	--	--	--	--
6/21/2006	CNL	CNL	--	CNL	CNL	--	--	--	--
9/29/2006	CNL	CNL	--	CNL	CNL	--	6.03	4.88	--
12/4/2006	CNL	CNL	--	CNL	CNL	--	5.33	5.58	

** Elevations based on an assumed datum.*
BTOC = Below Top of Casing
CNL= Could Not Locate
BGS = Below Ground Surface
AMSL = Above Mean Sea Level based on an estimated site elevation of 25 feet amsl
NE=Not Encountered
NA-No Data Available
NS-Monitor well not measured because monitor well is not in the work plan
**Information obtained prior to August 2005 was extracted from the Treatability Study Evaluation Report performed by Tetra Tech NUS of Pittsburgh, Pennsylvania.*
Replacement monitoring wells MW-2R, MW-4R, and MW-11R were installed on September 27, 2006

TABLE 2

GROUNDWATER ANALYTICAL SUMMARY

SAMPLE DATA		PAH CONCENTRATIONS (ug/L) PER METHOD 8310																	
Well ID	**Sample Date**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a) anthracene**	**Benzo(a) pyrene**	**Benzo(b)fluoranthene**	**Benzo(g,h,i)perlyene**	**Benzo(k)fluoranthene**	**Chrysene**	**Dibenz(a,h)anthracene**	**Fluoranthene**	**Fluorene**	**Indeno(1,2,3-cd)pyrene**	**2-Methylnaphthalene**	**1-Methylnaphthalene**	**Naphthalene**	**Phenanthrene**	**Pyrene**
MW-1	6/27/00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	2.60	<0.200	14.0	13.5	23.6	<2.00	<2.00
	11/04/00	<4.00	<4.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	1.10 J	<0.200	<2.00	<2.00	<2.00	<2.00	<2.00
	2/16/01	<4.40	<4.40	<2.20	<0.220	<0.220	<0.220	<0.220	<0.220	<2.20	<0.220	<2.20	<2.20	<0.220	<2.20	<2.20	<2.20	<2.20	<2.20
	5/24/01	<16.0	<16.0	<8.00	<0.800	<0.800	<0.800	<0.800	<0.800	<8.00	<0.800	<8.00	<8.00	<0.800	<8.00	<8.00	<8.00	<8.00	<8.00
	3/11/02	0.570	<0.100	0.100 J	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.920	<0.100	<0.100	<0.100	<0.100	1.20	0.130
	6/17/02	1.10	<0.110	0.240	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	1.00	<0.110	0.130	0.200	<0.110	1.10	0.210
	9/19/02	1.19	<0.100	<0.100	<0.110	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.15	<0.100	0.150	0.270	<0.100	1.06	0.210
	1/08/03	1.10	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.860	<0.100	0.110 J	0.210	<0.100	0.920	0.140
	6/24/03	0.600	0.320	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.410	<0.200	<0.200	0.170 J	<0.200	0.560	0.160J
	9/23/03	0.910	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.900	<0.200	<0.200	<0.200	<0.200	0.650	0.210
	12/8/03	0.660	<0.200	0.120 J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.820	<0.200	<0.200	0.120 J	0.180 J	0.680	0.160 J
	3/8/04	0.410	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.440	<0.200	<0.200	<0.200	<0.200	0.600	0.100 J
	6/09/04	0.450	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.330	<0.200	<0.200	<0.200	<0.200	<0.200	0.340
	8/16/05	<0.088	<0.120	<0.074	**0.170 I**	<0.089	<0.075	<0.100	<0.093	<0.076	<0.160	<0.082	<0.085	<0.098	<0.089	<0.130	<0.100	0.100 I	<0.069
	12/20/05	0.610I	<0.110	<0.072	<0.065	<0.086	<0.073	<0.100	<0.090	<0.074	<0.160	<0.080	0.690 I	<0.094	0.640 I	<0.130	0.230 I	0.290 I	<0.067
	3/4/06	0.290I	<0.100	<0.066	<0.060	<0.080	<0.067	<0.093	<0.083	<0.068	<0.150	0.230 I	0.510 I	<0.087	0.300 I	<0.120	<0.094	<0.073	0.630 I
	6/21/06	<0.331	<0.153	<0.024	<0.032	<0.033	<0.016	<0.016	<0.033	<0.030	<0.029	<0.044	<0.099	<0.041	<0.142	<0.291	<0.124	<0.025	<0.034
	9/29/06	<0.135	<0.102	0.155	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	0.125
	12/04/06	<0.135	<0.102	0.315	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	0.367	0.644	<0.059	<0.113	<0.093	<0.077	0.445	0.307
GCTL		**20**	**210**	**2100**	**0.050**	**0.200**	**0.050**	**210**	**0.500**	**4.80**	**0.005**	**280**	**280**	**0.050**	**28.0**	**28.0**	**14.0**	**210**	**210**

TABLE 2

GROUNDWATER ANALYTICAL SUMMARY

SAMPLE DATA		PAH CONCENTRATIONS (ug/L) PER METHOD 8310																	
Well ID	**Sample Date**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a) anthracene**	**Benzo(a) pyrene**	**Benzo(b)fluoranthene**	**Benzo(g,h,i)perlyene**	**Benzo(k)fluoranthene**	**Chrysene**	**Dibenz(a,h)anthracene**	**Fluoranthene**	**Fluorene**	**Indeno(1,2,3-cd)pyrene**	**2-Methylnaphthalene**	**1-Methylnaphthalene**	**Naphthalene**	**Phenanthrene**	**Pyrene**
MW-2	6/27/00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	<2.00	<0.200	<2.00	<2.00	<2.00	<2.00	<2.00
	11/04/00	<4.00	<4.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	<2.00	<0.200	<2.00	<2.00	<2.00	<2.00	<2.00
	2/16/01	<4.40	<4.40	<2.20	<0.220	<0.220	<0.220	<0.220	<0.220	<2.20	<0.220	<2.20	<2.20	<0.220	<2.20	<2.20	<2.20	<2.20	<2.20
	5/24/01	<16.0	<16.0	<8.00	<0.800	<0.800	<0.800	<0.800	<0.800	<8.00	<0.800	<8.00	<8.00	<0.800	<8.00	<8.00	<8.00	<16.0	<8.00
	3/11/02	0.320	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.500	<0.100	0.190	0.240	0.350	<0.100	<0.100
	6/17/02	0.570	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	0.730	<0.110	0.200	0.270	0.550	<0.110	0.140
	9/19/02	0.650	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.940	<0.100	0.740	0.90	1.18	0.120 J	0.150
	1/08/03	0.460	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.550	<0.100	0.160	0.210	1.00	0.100	0.110
	6/24/03	0.340	0.090 J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.420	<0.200	<0.200	<0.200	<0.20	<0.200	0.180 J
	9/23/03	0.350	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.560	<0.200	0.340	0.370	1.10	<0.200	0.110 J
	12/8/03	0.320	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.490	<0.200	0.150 J	0.210	0.330	<0.200	0.120 J
	3/8/04	0.330	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	<0.210	0.430	<0.210	0.150 J	0.130 J	0.180 J	<0.210	<0.210
	6/09/04	0.340	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.410	<0.200	<0.200	0.180 J	0.280	<0.200	0.180 J
	8/16/05	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	12/20/05	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	3/4/06	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	6/21/06	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-2R	9/29/06	<0.135	<0.102	0.125	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	0.848
MW-2R	12/04/06	<0.135	<0.102	<0.039	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	<0.048
GCTL		**20**	**210**	**2100**	**0.050**	**0.200**	**0.050**	**210**	**0.500**	**4.80**	**0.005**	**280**	**280**	**0.050**	**28.0**	**28.0**	**14.0**	**210**	**210**

TABLE 2

GROUNDWATER ANALYTICAL SUMMARY

SAMPLE DATA		PAH CONCENTRATIONS (ug/L) PER METHOD 8310																	
Well ID	**Sample Date**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a) anthracene**	**Benzo(a) pyrene**	**Benzo(b)fluoranthene**	**Benzo(g,h,i)perlyene**	**Benzo(k)fluoranthene**	**Chrysene**	**Dibenz(a,h)anthracene**	**Fluoranthene**	**Fluorene**	**Indeno(1,2,3-cd)pyrene**	**2-Methylnaphthalene**	**1-Methylnaphthalene**	**Naphthalene**	**Phenanthrene**	**Pyrene**
MW-3	6/27/00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	<2.00	<0.200	<2.00	2.00	<2.00	<2.00	<2.00
	11/04/00	<4.00	<4.00	<4.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	<2.00	<0.200	<2.00	<2.00	<2.00	<2.00	<2.00
	2/16/01	<4.40	<4.40	<4.40	<0.220	<0.220	<0.220	<0.220	<0.220	<2.20	<0.220	<2.20	<2.20	<0.220	<2.20	<2.20	<2.20	<2.20	<2.20
	5/24/01	<16.0	<16.0	<16.0	<0.800	<0.800	<0.800	<0.800	<0.800	<8.00	<0.800	<8.00	<8.00	<0.800	<8.00	<8.00	<8.00	<8.00	<8.00
	3/11/02	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110
	6/17/02	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.120	0.110	0.160	<0.100	<0.100
	9/19/02	0.230	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.360	<0.100	0.610	0.740	0.630	0.160	<0.100
	1/08/03	<0.110	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<10.0	<0.100	<0.100
	6/24/03	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
	9/23/03	0.180J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.240	<0.200	0.980	0.730	0.480	<0.200	<0.200
	12/8/03	0.089J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.140 J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
	3/8/04	0.120J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.100 J	<0.200	0.083 J	<0.200	<0.200	<0.200	<0.200
	6/09/04	0.470	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.350	<0.200	**45.0**	**41.0**	**79.0**	<0.200	<0.200
	8/16/05	<0.083	<0.110	<0.070	<0.063	<0.084	<0.071	<0.098	<0.088	<0.072	<0.160	0.210 I	0.280 I	<0.092	0.770 I	0.840 I	0.560 I	<0.077	<0.066
	12/20/05	0.640I	<0.110	<0.069	<0.063	<0.084	<0.070	<0.097	<0.087	<0.071	<0.150	<0.077	<0.079	<0.091	<0.084	<0.120	<0.098	<0.076	<0.065
	3/4/06	<0.080	<0.100	<0.067	<0.061	<0.081	<0.068	<0.094	<0.084	<0.069	<0.150	<0.074	<0.077	<0.088	<0.081	<0.120	0.230 I	<0.073	<0.063
	6/21/06	<0.331	<0.153	<0.024	<0.032	<0.033	<0.016	<0.016	<0.033	<0.030	<0.029	<0.044	<0.099	<0.041	<0.142	<0.291	<0.124	<0.025	<0.034
	9/29/06	<0.135	<0.102	0.064	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	0.351
	12/04/06	<0.135	<0.102	<0.039	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	<0.048
GCTL		**20**	**210**	**2100**	**0.050**	**0.200**	**0.050**	**210**	**0.500**	**4.80**	**0.005**	**280**	**280**	**0.050**	**28.0**	**28.0**	**14.0**	**210**	**210**

TABLE 2

GROUNDWATER ANALYTICAL SUMMARY

SAMPLE DATA		PAH CONCENTRATIONS (ug/L) PER METHOD 8310																	
Well ID	**Sample Date**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a) anthracene**	**Benzo(a) pyrene**	**Benzo(b)fluoranthene**	**Benzo(g,h,i)perlyene**	**Benzo(k)fluoranthene**	**Chrysene**	**Dibenz(a,h)anthracene**	**Fluoranthene**	**Fluorene**	**Indeno(1,2,3-cd)pyrene**	**2-Methylnaphthalene**	**1-Methylnaphthalene**	**Naphthalene**	**Phenanthrene**	**Pyrene**
MW-4	6/27/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/04/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/16/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/24/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/19/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/08/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/24/03	0.640	0.130 J	0.150 J	0.016J	<0.200	0.016J	0.016 J	0.005 J	0.010 J	<0.200	<0.200	0.750	<0.200	2.00	1.60	0.470	0.890	0.120J
	9/23/03	0.950	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	<0.780	1.10	<0.780	6.00	6.50	0.800	0.500J	<0.780
	12/8/03	1.60	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	<0.380	1.80	<0.380	3.30	3.20	1.50	1.40	<0.380
	3/8/04	0.620	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	0.740	<0.220	0.200 J	1.20	0.790	0.680	<0.220
	6/09/04	1.60	<0.200	0.220	**0.066J**	<0.200	<0.200	<0.200	<0.200	0.048 J	<0.200	<0.200	2.00	0.044 J	0.980	2.20	1.30	0.740	0.220
	8/16/05	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	12/20/05	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	3/4/06	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	6/21/06	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-4R	9/29/06	<0.135	<0.102	<0.039	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	5.17	2.96	<0.039	<0.048
MW-4R	12/04/06	<0.135	<0.102	<0.039	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	<0.048
GCTL		**20**	**210**	**2100**	**0.050**	**0.200**	**0.050**	**210**	**0.500**	**4.80**	**0.005**	**280**	**280**	**0.050**	**28.0**	**28.0**	**14.0**	**210**	**210**

TABLE 2

GROUNDWATER ANALYTICAL SUMMARY

SAMPLE DATA		PAH CONCENTRATIONS (ug/L) PER METHOD 8310																	
Well ID	**Sample Date**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a) anthracene**	**Benzo(a) pyrene**	**Benzo(b)fluoranthene**	**Benzo(g,h,i)perlyene**	**Benzo(k)fluoranthene**	**Chrysene**	**Dibenz(a,h)anthracene**	**Fluoranthene**	**Fluorene**	**Indeno(1,2,3-cd)pyrene**	**2-Methylnaphthalene**	**1-Methylnaphthalene**	**Naphthalene**	**Phenanthrene**	**Pyrene**
MW-5	6/27/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	11/04/00	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	2/16/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	5/24/01	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	3/11/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/17/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	9/19/02	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	1/08/03	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--	--
	6/24/03	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.130J	0.210	0.170 J	<0.200	<0.200
	9/23/03	0.280	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.320	<0.200	0.990	0.640	0.260	0.170 J	<0.200
	12/8/03	0.086J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.120J	<0.200	0.087J	0.110J	0.055 J	<0.200	<0.200
	3/8/04	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.110 J	<0.200	<0.200
	6/09/04	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200
	8/16/05	<0.075	<0.098	<0.063	<0.057	<0.076	<0.064	<0.088	<0.079	<0.065	<0.140	<0.070	<0.072	<0.083	<0.076	<0.110	<0.089	<0.069	<0.059
	12/20/05	<0.086	0.190 I	<0.072	<0.066	**0.610**	<0.074	0.630 I	0.130 I	<0.075	**0.290**	0.200 I	<0.083	**0.110 I**	<0.087	<0.130	<0.100	<0.079	0.180 I
	3/4/06	0.450I	<0.100	<0.066	**0.120 I**	<0.080	<0.067	<0.093	<0.083	<0.068	<0.150	0.380 I	3.90	<0.087	3.40	6.40	0.710 I	0.450 I	0.610 I
	6/21/06	<0.331	<0.153	<0.024	<0.032	<0.033	<0.016	<0.016	<0.033	<0.030	<0.029	<0.044	<0.099	<0.041	<0.142	<0.291	<0.124	<0.025	<0.034
	9/29/06	<0.135	<0.102	<0.039	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	<0.048
	12/04/06	<0.135	<0.102	<0.039	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	<0.048
GCTL		**20**	**210**	**2100**	**0.050**	**0.200**	**0.050**	**210**	**0.500**	**4.80**	**0.005**	**280**	**280**	**0.050**	**28.0**	**28.0**	**14.0**	**210**	**210**

TABLE 2

GROUNDWATER ANALYTICAL SUMMARY

SAMPLE DATA		PAH CONCENTRATIONS (ug/L) PER METHOD 8310																	
Well ID	**Sample Date**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a) anthracene**	**Benzo(a) pyrene**	**Benzo(b)fluoranthene**	**Benzo(g,h,i)perlyene**	**Benzo(k)fluoranthene**	**Chrysene**	**Dibenz(a,h)anthracene**	**Fluoranthene**	**Fluorene**	**Indeno(1,2,3-cd)pyrene**	**2-Methylnaphthalene**	**1-Methylnaphthalene**	**Naphthalene**	**Phenanthrene**	**Pyrene**
MW-7	6/27/00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	3.30	<0.200	14.0	14.9	12.3	<2.00	<2.00
	11/04/00	<4.00	<4.00	<4.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	4.00	<0.200	26.8	25.6	11.7	<2.00	<2.00
	2/16/01	<22.0	<22.0	<2.20	<0.220	<0.220	<0.220	<0.220	<0.220	<2.20	<0.220	<2.20	12.6	<0.220	**122**	**97.8**	13.1	<2.20	<2.20
	5/24/01	<16.0	<16.0	<8.00	<0.800	<0.800	<0.800	<0.800	<0.800	<8.00	<0.800	<8.00	9.90	<0.800	**90.3**	**85.1**	68.9	<16.0	<8.00
	3/11/02	2.30	<0.100	0.300	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	4.70	<0.100	**37.0**	**32.0**	6.80	1.60	0.160
	6/17/02	1.60	<0.100	0.360	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	3.40	<0.100	10.0	12.0	5.60	1.60	0.120
	9/19/02	1.66	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	2.04	<0.100	16.8	14.3	12.9	1.47	0.210
	1/08/03	3.80	<0.100	0.530	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	5.30	<0.100	**78.0**	**65.0**	**19.0**	3.10	0.190
	6/24/03	1.90 J	<3.90	<3.90	<3.90	<3.90	<3.90	<3.90	<3.90	<3.90	<3.90	<3.90	<3.90	<3.90	18.0	20.0	<3.90	3.00 J	<3.90
	9/23/03	<9.50	<9.50	<9.50	<9.50	<9.50	<9.50	<9.50	<9.50	<9.50	<9.50	<9.50	7.10 J	<9.50	**82.0**	**72.0**	12.0	<9.50	<9.50
	12/8/03	2.70 J	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	4.60	<3.80	**42.0**	**33.0**	8.20	2.60 J	<3.80
	3/8/04	0.230	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.240	<0.200	2.20	13.0	1.90	0.100J	<0.200
	6/09/04	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.140J	<0.200	0.680	0.680	<0.200	<0.200	<0.200
	8/16/05	<0.091	7.60	<0.076	**0.083 I**	**0.210 I**	<0.078	<0.110	0.096	0.079	**0.170**	0.510 I	3.00	<0.100	9.70	23.0	1.70	1.50	0.580 I
	12/20/05	2.70	0.930 I	0.084 I	<0.057	<0.076	<0.064	<0.088	<0.079	<0.065	<0.140	1.00	8.60	<0.083	<0.076	21.0	5.50	1.60	0.520 I
	3/4/06	1.20	<0.100	<0.066	<0.059	<0.079	<0.067	<0.092	<0.082	<0.068	<0.150	0.087 I	1.60	<0.086	1.40	2.00	0.800 I	0.210 I	0.110 I
	6/21/06	<1.66	<0.765	1.31	<0.160	<0.165	<0.080	<0.080	<0.165	<0.150	<0.145	<0.220	<0.495	<0.205	<0.710	**36.3**	3.32	<0.125	<0.170
	9/29/06	<0.135	<0.102	0.770	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	1.15
	12/04/06	<0.135	<0.102	0.405	<0.025	0.174	**0.193**	<0.054	<0.059	<0.045	<0.063	<0.089	1.00	<0.059	<0.113	1.65	<0.077	<0.039	<0.048
GCTL		**20**	**210**	**2100**	**0.050**	**0.200**	**0.050**	**210**	**0.500**	**4.80**	**0.005**	**280**	**280**	**0.050**	**28.0**	**28.0**	**14.0**	**210**	**210**

TABLE 2

GROUNDWATER ANALYTICAL SUMMARY

SAMPLE DATA		PAH CONCENTRATIONS (ug/L) PER METHOD 8310																	
Well ID	**Sample Date**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a) anthracene**	**Benzo(a) pyrene**	**Benzo(b)fluoranthene**	**Benzo(g,h,i)perlyene**	**Benzo(k)fluoranthene**	**Chrysene**	**Dibenz(a,h)anthracene**	**Fluoranthene**	**Fluorene**	**Indeno(1,2,3-cd)pyrene**	**2-Methylnaphthalene**	**1-Methylnaphthalene**	**Naphthalene**	**Phenanthrene**	**Pyrene**
MW-9	6/27/00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	2.60	<0.200	4.10	9.80	15.0	<2.00	<2.00
	11/04/00	<4.00	<4.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	<2.00	<0.200	<2.00	2.20	<2.00	<2.00	<2.00
	2/16/01	<4.40	<4.40	<2.20	<0.220	<0.220	<0.220	<0.220	<0.220	<2.20	<0.220	<2.20	1.50 J	<0.220	6.20	11.5	15.5	<2.20	<2.20
	5/24/01	<4.40	<4.40	<2.20	<0.220	<0.220	<0.220	<0.220	<0.220	<2.20	<0.220	<2.20	1.90 J	<0.220	8.50	16.5	2.70	<2.20	<2.20
	3/11/02	0.400	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	0.500	<0.100	1.00	1.40	1.00	<0.100	<0.100
	6/17/02	0.880	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	0.660	<0.110	7.70	8.40	4.80	0.280	<0.110
	9/19/02	0.830	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.00	<0.100	3.13	3.60	<0.100	0.210	<0.100
	1/08/03	1.50	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	1.40	<0.100	6.60	8.70	11.0	0.380	<0.100
	6/24/03	0.670 J	<0.820	<0.820	<0.820	<0.820	<0.820	<0.820	<0.820	<0.820	<0.820	<0.820	0.770 J	<0.820	6.90	7.00	1.60	<0.082	<0.820
	9/23/03	0.650 J	<0.760	<0.760	<0.760	<0.760	<0.760	<0.760	<0.760	<0.760	<0.760	<0.760	0.830	<0.760	5.50	6.30	4.10	0.340 J	<0.760
	12/8/03	1.00 J	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	1.20 J	<1.90	21.0	19.0	1.00 J	<1.90	<1.90
	3/8/04	0.860	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	0.920	<0.200	20.0	21.0	5.40	0.250	<0.200
	6/09/04	1.250	<0.200	0.056 J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	1.00	<0.200	17.0	21.0	4.00	0.100 J	<0.200
	8/16/05	0.860 I	<0.110	<0.070	<0.063	<0.084	<0.071	<0.098	<0.088	<0.072	<0.160	<0.078	<0.080	<0.092	<0.084	<0.120	<0.099	<0.077	<0.066
	12/20/05	1.10	<0.098	<0.063	<0.057	<0.076	<0.064	<0.088	<0.079	<0.065	<0.140	0.180 I	2.30	<0.083	2.70	5.00	1.40	<0.069	0.320 I
	3/4/06	<0.078	<0.100	<0.066	<0.059	<0.079	<0.067	<0.092	<0.082	<0.068	<0.150	<0.073	<0.075	<0.086	<0.079	<0.110	0.240 I	<0.072	<0.061
	6/21/06	<0.331	<0.153	<0.024	<0.032	<0.033	<0.016	<0.016	<0.033	<0.030	<0.029	<0.044	<0.099	<0.041	<0.142	<0.291	<0.124	<0.025	<0.034
	9/29/06	<0.135	<0.102	0.206	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	0.751	<0.039	0.451
	12/04/06	<0.135	<0.102	0.203	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	0.642	<0.059	<0.113	<0.093	0.214I	<0.039	1.59
GCTL		**20**	**210**	**2100**	**0.050**	**0.200**	**0.050**	**210**	**0.500**	**4.80**	**0.005**	**280**	**280**	**0.050**	**28.0**	**28.0**	**14.0**	**210**	**210**

TABLE 2

GROUNDWATER ANALYTICAL SUMMARY

SAMPLE DATA		PAH CONCENTRATIONS (ug/L) PER METHOD 8310																	
Well ID	**Sample Date**	**Acenaphthene**	**Acenaphthylene**	**Anthracene**	**Benzo(a) anthracene**	**Benzo(a) pyrene**	**Benzo(b)fluoranthene**	**Benzo(g,h,i)perlyene**	**Benzo(k)fluoranthene**	**Chrysene**	**Dibenz(a,h)anthracene**	**Fluoranthene**	**Fluorene**	**Indeno(1,2,3-cd)pyrene**	**2-Methylnaphthalene**	**1-Methylnaphthalene**	**Naphthalene**	**Phenanthrene**	**Pyrene**
MW-11	6/27/00	<2.00	<2.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	<2.00	<0.200	<2.00	<2.00	<2.00	<2.00	<2.00
	11/04/00	<4.00	<4.00	<2.00	<0.200	<0.200	<0.200	<0.200	<0.200	<2.00	<0.200	<2.00	2.20	<0.200	8.00	10.8	18.8	<2.00	<2.00
	2/16/01	<4.40	<4.40	<2.20	<0.220	<0.220	<0.220	<0.220	<0.220	<2.20	<0.220	<2.20	2.20	<0.220	14.9	18.8	30.3	<2.20	<2.20
	5/24/01	<8.00	<8.00	<4.00	<0.400	<0.400	<0.400	<0.400	<0.400	<4.00	<0.400	<4.00	3.80 J	<0.400	23.9	31.6	39.0	<4.00	<4.00
	3/11/02	2.10	<0.100	0.270	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	3.10	<0.100	15.0	13.0	18.0	1.60	0.140
	6/17/02	2.10	<0.110	0.630	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	<0.110	3.10	<0.110	26.0	22.0	29.0	2.40	0.130
	9/19/02	3.11	<0.100	0.490	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	4.16	<0.100	19.5	19.0	26.1	2.82	0.180
	1/08/03	2.00	<0.100	0.280	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	<0.100	2.00	<0.100	18.0	24.0	52.0	1.80	<0.100
	6/24/03	1.90	<0.990	<0.990	<0.990	<0.990	<0.990	<0.990	<0.990	<0.990	<0.990	<0.990	0.790 J	<0.990	2.70	13.0	12.0	<0.990	<0.990
	9/23/03	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	<3.80	18.0	18.0	22.0	<3.80	<3.80
	12/8/03	2.50	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	<1.90	2.50	<1.90	25.0	26.0	23.0	0.870 J	<1.90
	3/8/04	2.50	<0.220	0.170 J	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	<0.220	3.70	<0.220	74.0	67.0	2.40	1.00	0.120 J
	6/09/04	1.70	<0.200	0.130 J	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	<0.200	1.90	<0.200	16.0	16.0	16.0	0.660	<0.200
	8/16/05	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	12/20/05	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	3/4/06	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
	6/21/06	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL	CNL
MW-11R	9/29/06	<0.135	<0.102	<0.039	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	<0.100	<0.059	<0.113	<0.093	<0.077	<0.039	0.534
MW-11R	12/04/06	<0.135	<0.102	0.663	<0.025	<0.083	<0.045	<0.054	<0.059	<0.045	<0.063	<0.089	1.65	<0.059	<0.113	2.62	<0.077	<0.039	1.51
GCTL		**20**	**210**	**2100**	**0.050**	**0.200**	**0.050**	**210**	**0.500**	**4.80**	**0.005**	**280**	**280**	**0.050**	**28.0**	**28.0**	**14.0**	**210**	**210**

Notes: All concentrations in parts per billion (µg/L)
GCTL-FDEP set Groundwater Cleanup Target Level
***BOLD** type indicates concentration exceeds GCTL*
--No Data Available
I-The reported value is between the laboratory method detection limits and the laboratory practical quantitation limit
J-Estimated concentration
NS-Monitor wells were not sampled because the monitor wells were not included in the work plan
CNL-Can not locate monitor well
**Information reported prior to August 2005 was extracted from the Treatability Study Evaluation Report performed by Tetra Tech NUS of Pittsburgh, Pennsylvania.*
Historical data is not available on Monitoring Wells MW-6, MW-8, MW-11

APPENDIX A

Groundwater Sampling Logs

State of Florida, Department of Environmental Protection
GROUNDWATER SAMPLING LOG

SITE NAME: NAS Pensacola	SITE LOCATION: UST Site 17	
WELL NO: MW-1	SAMPLE ID: MW-1	DATE: 12/4/2006

PURGING DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 14.81	STATIC DEPTH TO WATER (ft): 4.28	WELL CAPACITY (gal/ft): 0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (14.81 -- 4.28) X 0.16 = 1.6

PURGE METHOD: Peristaltic Pump	PURGE INITIATED AT: 1225	PURGE ENDED AT: 1245	TOTAL VOL. PURGED (gal): 2.50

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
1235	1.60	1.6	0.15	4.30	6.47	22.1	182	0.2	6.4	Clear	None
1238	0.45	2.05	0.15	4.30	6.48	22.5	NA	0.2	5.2	Clear	None
1241	0.45	2.50	0.15	4.31	6.49	22.9	NA	0.2	5.4	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 DAT A

SAMPLED BY (PRINT) / Curtis Mills AFFILIATION: AEROSTAR	SAMPLER(S) SIGNATURE(S)	
SAMPLING METHOD(S): Peristaltic Pump	SAMPLING INITIATED AT: 1243	SAMPLING ENDED AT: 1244
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		1 L	Ice	1L	-	PAH per EPA 8310

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: UST Site 17	
WELL NO: MW-2R	SAMPLE ID: MW-2R	DATE: 12/4/2006

PURGING DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 14.30	STATIC DEPTH TO WATER (ft): 4.90	WELL CAPACITY (gal/ft): 0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (14.30 – 4.90) X 0.16 = 1.5

PURGE METHOD: Peristaltic Pump	PURGE INITIATED AT: 1254	PURGE ENDED AT: 1312	TOTAL VOL. PURGED (gal): 2.40

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
1304	1.50	1.50	0.15	4.92	6.70	20.8	NA	0.2	7.1	Clear	None
1307	0.45	1.95	0.15	4.93	6.65	21.2	NA	0.2	7.6	Clear	None
1310	0.45	2.40	0.15	4.93	6.61	21.2	NA	0.2	7.0	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: 1311	SAMPLING ENDED AT: 1312
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		1 L	Ice	1L	-	PAH per EPA 8310

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: UST Site 17	
WELL NO: MW-3	SAMPLE ID: MW-3	DATE: 12/4/2006

PURGING DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 14.41	STATIC DEPTH TO WATER (ft): 4.26	WELL CAPACITY (gal/ft): 0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (14.41 – 4.26) X 0.16 = 1.6

PURGE METHOD: Peristaltic Pump	PURGE INITIATED AT: 1433	PURGE ENDED AT: 1451	TOTAL VOL. PURGED (gal): 2.50

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
1443	1.60	1.60	0.15	4.29	6.63	22.0	NA	0.2	7.3	Clear	None
1446	0.45	2.05	0.15	4.30	6.61	22.1	NA	0.2	6.8	Clear	None
1449	0.45	2.50	0.15	4.31	6.58	22.1	NA	0.2	6.3	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: 1450	SAMPLING ENDED AT: 1451
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		1 L	Ice	1L	-	PAH

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: UST Site 17	
WELL NO: MW-4R	SAMPLE ID: MW-4R	DATE: 12/4/2006

PURGING DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 14.78	STATIC DEPTH TO WATER (ft): 5.93	WELL CAPACITY (gal/ft): 0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (14.78 – 5.93) X 0.16 = 1.4

PURGE METHOD: Peristaltic Pump	PURGE INITIATED AT: 1318	PURGE ENDED AT: 1335	TOTAL VOL. PURGED (gal): 2.30

TIME	VOLUME PURGED (gal)	CUMUL. VOLUME PURGED (gal)	PURGE RATE (gpm)	DEPTH TO WATER (ft)	pH	TEMP. (^{O}C)	COND. (µmhos)	DISSOLVED OXYGEN (mg/L)	TURBIDITY (NTUs)	COLOR	ODOR
1327	1.40	1.40	0.15	5.95	6.52	21.3	NA	0.2	8.9	Clear	None
1330	0.45	1.85	0.15	5.96	6.53	21.3	NA	0.2	1.52	Clear	None
1333	0.45	2.30	0.15	5.96	6.53	21.2	NA	0.2	1.52	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: 1334	SAMPLING ENDED AT: 1335
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		1 L	Ice	1L	-	PAH

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: UST Site 17	
WELL NO: MW-5	SAMPLE ID: MW-5	DATE: 12/4/2006

PURGING DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 14.55	STATIC DEPTH TO WATER (ft): 4.12	WELL CAPACITY (gal/ft): 0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (14.55 – 4.12) X 0.16 = 1.6

PURGE METHOD: Peristaltic Pump	PURGE INITIATED AT: 1455	PURGE ENDED AT: 1513	TOTAL VOL. PURGED (gal): 2.50

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	1.60	1.60	0.15	4.13	6.69	22.5	NA	0.2	9.7	Clear	None
1508	0.45	2.05	0.15	4.14	6.68	22.5	NA	0.2	5.0	Clear	None
1511	0.45	2.50	0.15	4.14	6.69	22.5	NA	0.2	4.7	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: 1513
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 (L)	FINAL pH	
1		1 L	Ice	1 L	-	PAH

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: UST Site 17	
WELL NO: MW-7	SAMPLE ID: MW-7	DATE: 12/4/2006

PURGING DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 15.22	STATIC DEPTH TO WATER (ft): 4.35	WELL CAPACITY (gal/ft): 0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (15.22 – 4.35) X 0.16 = 1.8

PURGE METHOD: Peristaltic Pump	PURGE INITIATED AT: 1408	PURGE ENDED AT: 1428	TOTAL VOL. PURGED (gal): 2.70

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
1420	1.80	1.80	0.15	4.37	6.60	21.7	NA	0.2	5.6	Clear	None
1423	0.45	2.25	0.15	4.37	6.59	21.3	NA	0.2	9.8	Clear	None
1426	0.45	2.70	0.15	4.38	6.60	21.1	NA	0.2	9.5	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: 1427	SAMPLING ENDED AT: 1428
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 (L)	FINAL pH	
1	-	1 L	Ice	1 L	-	PAH

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: UST Site 17	
WELL NO: MW-9	SAMPLE ID: MW-9	DATE: 12/4/2006

PURGING DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 15.67	STATIC DEPTH TO WATER (ft): 4.32	WELL CAPACITY (gal/ft): 0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (15.67 – 4.32) X 0.16 = 1.80

PURGE METHOD: Peristaltic Pump	PURGE INITIATED AT: 1518	PURGE ENDED AT: 1536	TOTAL VOL. PURGED (gal): 2.70

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
1528	1.80	1.80	0.15	4.33	6.63	21.2	NA	0.2	3.4	Clear	Slight
1531	0.45	2.25	0.15	4.34	6.60	21.2	NA	0.2	3.5	Clear	Slight
1534	0.45	2.70	0.15	4.35	6.58	21.2	NA	0.2	3.5	Clear	Slight

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: 1535	SAMPLING ENDED AT: 1536
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 (L)	FINAL pH	
1	-	1 L	Ice	1 L	-	PAH

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: UST Site 17	
WELL NO: MW-11R	SAMPLE ID: MW-11R	DATE: 12/4/2006

PURGING DATA

WELL DIAMETER (in): 2	TOTAL WELL DEPTH (ft): 14.84	STATIC DEPTH TO WATER (ft): 5.58	WELL CAPACITY (gal/ft): 0.16

1 WELL VOLUME (gal) = (TOTAL WELL DEPTH – DEPTH TO WATER) X WELL CAPACITY =

= (14.84 – 5.58) X 0.16 = 1.5

PURGE METHOD: Peristaltic Pump	PURGE INITIATED AT: 1343	PURGE ENDED AT: 1401	TOTAL VOL. PURGED (gal): 2.40

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
1353	1.50	1.50	0.15	5.60	6.56	21.2	NA	0.2	9.5	Clear	Slight
1356	0.45	1.95	0.15	5.61	6.55	21.3	NA	0.2	9.2	Clear	Slight
1359	0.45	2.40	0.15	5.61	6.53	21.3	NA	0.2	9.4	Clear	Slight

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: 1401
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		1 L	Ice	1L	-	PAH

REMARKS:

MATERIAL CODES: AG = AMBER GLASS; CG = CLEAR GLASS; PE = POLYETHYLENE; O = OTHER (SPECIFY)

APPENDIX B

Laboratory Analytical Results & Chain-of-Custody

NELAP CERTIFICATE NUMBER 01955

To: Aerostar

Job ID: NAS PENSACOLA/UST-17

Attn: Emilie Wien

GCAL Report 206120615

Report Date 12/14/2006

ANALYTICAL RESULTS BY

GULF COAST ANALYTICAL LABORATORIES, INC.

Deliver To	Aerostar 803 Government St. Suite A Mobile, AL 36602
Attn	Emilie Wien

CASE NARRATIVE

Client: Aerostar **Report:** 206120615

Gulf Coast Analytical Laboratories received and analyzed the sample(s) listed on the sample cross-reference page of this report. Receipt of the sample(s) is documented by the attached chain of custody. This applies only to the sample(s) listed in this report. No sample integrity or quality control exceptions were identified unless noted below.

No anomalies were found for the analyzed sample(s).

Laboratory Endorsement

Sample analysis was performed in accordance with approved methodologies provided by the Environmental Protection Agency or other recognized agencies. The samples and their corresponding extracts will be maintained for a period of 30 days unless otherwise arranged. Following this retention period the samples will be disposed in accordance with GCAL's Standard Operating Procedures.

Common Abbreviations Utilized in this Report

ND	Indicates the result was Not Detected at the specified RDL
DO	Indicates the result was Diluted Out
MI	Indicates the result was subject to Matrix Interference
TNTC	Indicates the result was Too Numerous To Count
SUBC	Indicates the analysis was Sub-Contracted
FLD	Indicates the analysis was performed in the Field
PQL	Practical Quantitation Limit
MDL	Method Detection Limit
RDL	Reporting Detection Limit
00:00	Reported as a time equivalent to 12:00 AM

Reporting Flags Utilized in this Report

J	Indicates an estimated value
U	Indicates the compound was analyzed for but not detected
B	(ORGANICS) Indicates the analyte was detected in the associated Method Blank
B	(INORGANICS) Indicates the result is between the RDL and MDL

Sample receipt at GCAL is documented through the attached chain of custody. In accordance with ISO Guide 25 and NELAC, this report shall be reproduced only in full and with the written permission of GCAL. The results contained within this report relate only to the samples reported. The documented results are presented within this report.

This report pertains only to the samples listed in the Report Sample Summary and should be retained as a permanent record thereof. The results contained within this report are intended for the use of the client. Any unauthorized use of the information contained in this report is prohibited.

I certify that this data package is in compliance with the terms and conditions of the contract and Statement of Work both technically and for completeness, for other than the conditions in the case narrative. Release of the data contained in this hardcopy data package and in the computer-readable data submitted has been authorized by the Quality Assurance Manager or his/her designee, as verified by the following signature.

Curtis Ekker
Fri Dec 15 08:09:52 2006

CURTIS EKKER
DATA VALIDATION MANAGER
GCAL REPORT 206120615

THIS REPORT CONTAINS _____ PAGES.

Report Sample Summary

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061501	MW-1	Water	12/04/2006 12:43	12/06/2006 09:45
20612061502	MW-2R	Water	12/04/2006 13:11	12/06/2006 09:45
20612061503	MW-4R	Water	12/04/2006 13:34	12/06/2006 09:45
20612061504	MW-3	Water	12/04/2006 14:50	12/06/2006 09:45
20612061505	MW-5	Water	12/04/2006 14:12	12/06/2006 09:45
20612061506	MW-7	Water	12/04/2006 14:27	12/06/2006 09:45
20612061507	MW-9	Water	12/04/2006 15:35	12/06/2006 09:45
20612061508	MW-11R	Water	12/04/2006 14:00	12/06/2006 09:45

Summary of Compounds Detected

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061501	**MW-1**	Water	12/04/2006 12:43	12/06/2006 09:45

8310, PNAs by HPLC, Water

CAS#	Parameter	Result	RDL	MDL	Units
120-12-7	Anthracene	0.315	0.100	0.039	ug/L
206-44-0	Fluoranthene	0.367	0.250	0.089	ug/L
86-73-7	Fluorene	0.644	0.500	0.100	ug/L
85-01-8	Phenanthrene	0.445	0.100	0.039	ug/L
129-00-0	Pyrene	0.307	0.250	0.048	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061506	**MW-7**	Water	12/04/2006 14:27	12/06/2006 09:45

8310, PNAs by HPLC, Water

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	1-Methylnaphthalene	1.65	1.00	0.093	ug/L
120-12-7	Anthracene	0.405	0.100	0.039	ug/L
50-32-8	Benzo(a)pyrene	0.174	0.100	0.083	ug/L
205-99-2	Benzo(b)fluoranthene	0.193	0.100	0.045	ug/L
86-73-7	Fluorene	1.00	0.500	0.100	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061507	**MW-9**	Water	12/04/2006 15:35	12/06/2006 09:45

8310, PNAs by HPLC, Water

CAS#	Parameter	Result	RDL	MDL	Units
120-12-7	Anthracene	0.203	0.100	0.039	ug/L
86-73-7	Fluorene	0.642	0.500	0.100	ug/L
91-20-3	Naphthalene	0.214I	0.500	0.077	ug/L
129-00-0	Pyrene	1.59	0.250	0.048	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061508	**MW-11R**	Water	12/04/2006 14:00	12/06/2006 09:45

8310, PNAs by HPLC, Water

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	1-Methylnaphthalene	2.62	1.00	0.093	ug/L
120-12-7	Anthracene	0.663	0.100	0.039	ug/L
86-73-7	Fluorene	1.65	0.500	0.100	ug/L
129-00-0	Pyrene	1.51	0.250	0.048	ug/L

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061501	**MW-1**	Water	12/04/2006 12:43	12/06/2006 09:45

8310, PNAs by HPLC, Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/07/2006 09:00	338339	SW-846 8310	1	12/12/2006 16:02	RFS	338666

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	1-Methylnaphthalene	0.093U	1.00	0.093	ug/L
91-57-6	2-Methylnaphthalene	0.113U	1.00	0.113	ug/L
83-32-9	Acenaphthene	0.135U	1.00	0.135	ug/L
208-96-8	Acenaphthylene	0.102U	1.00	0.102	ug/L
120-12-7	**Anthracene**	**0.315**	**0.100**	**0.039**	**ug/L**
56-55-3	Benzo(a)anthracene	0.025U	0.100	0.025	ug/L
50-32-8	Benzo(a)pyrene	0.083U	0.100	0.083	ug/L
205-99-2	Benzo(b)fluoranthene	0.045U	0.100	0.045	ug/L
191-24-2	Benzo(g,h,i)perylene	0.054U	0.250	0.054	ug/L
207-08-9	Benzo(k)fluoranthene	0.059U	0.100	0.059	ug/L
218-01-9	Chrysene	0.045U	0.100	0.045	ug/L
53-70-3	Dibenz(a,h)anthracene	0.063U	0.100	0.063	ug/L
206-44-0	**Fluoranthene**	**0.367**	**0.250**	**0.089**	**ug/L**
86-73-7	**Fluorene**	**0.644**	**0.500**	**0.100**	**ug/L**
193-39-5	Indeno(1,2,3-cd)pyrene	0.059U	0.250	0.059	ug/L
91-20-3	Naphthalene	0.077U	0.500	0.077	ug/L
85-01-8	**Phenanthrene**	**0.445**	**0.100**	**0.039**	**ug/L**
129-00-0	**Pyrene**	**0.307**	**0.250**	**0.048**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
92-94-4	p-Terphenyl	2	1.55	ug/L	78	43 - 115

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061502	**MW-2R**	Water	12/04/2006 13:11	12/06/2006 09:45

8310, PNAs by HPLC, Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/07/2006 09:00	338339	SW-846 8310	1	12/12/2006 16:09	RFS	338666

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	1-Methylnaphthalene	0.093U	1.00	0.093	ug/L
91-57-6	2-Methylnaphthalene	0.113U	1.00	0.113	ug/L
83-32-9	Acenaphthene	0.135U	1.00	0.135	ug/L
208-96-8	Acenaphthylene	0.102U	1.00	0.102	ug/L
120-12-7	Anthracene	0.039U	0.100	0.039	ug/L
56-55-3	Benzo(a)anthracene	0.025U	0.100	0.025	ug/L
50-32-8	Benzo(a)pyrene	0.083U	0.100	0.083	ug/L
205-99-2	Benzo(b)fluoranthene	0.045U	0.100	0.045	ug/L
191-24-2	Benzo(g,h,i)perylene	0.054U	0.250	0.054	ug/L
207-08-9	Benzo(k)fluoranthene	0.059U	0.100	0.059	ug/L
218-01-9	Chrysene	0.045U	0.100	0.045	ug/L
53-70-3	Dibenz(a,h)anthracene	0.063U	0.100	0.063	ug/L
206-44-0	Fluoranthene	0.089U	0.250	0.089	ug/L
86-73-7	Fluorene	0.100U	0.500	0.100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.059U	0.250	0.059	ug/L
91-20-3	Naphthalene	0.077U	0.500	0.077	ug/L
85-01-8	Phenanthrene	0.039U	0.100	0.039	ug/L
129-00-0	Pyrene	0.048U	0.250	0.048	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
92-94-4	p-Terphenyl	2	1.81	ug/L	91	43 - 115

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061503	**MW-4R**	Water	12/04/2006 13:34	12/06/2006 09:45

8310, PNAs by HPLC, Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/07/2006 09:00	338339	SW-846 8310	1	12/12/2006 16:30	RFS	338666

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	1-Methylnaphthalene	0.093U	1.00	0.093	ug/L
91-57-6	2-Methylnaphthalene	0.113U	1.00	0.113	ug/L
83-32-9	Acenaphthene	0.135U	1.00	0.135	ug/L
208-96-8	Acenaphthylene	0.102U	1.00	0.102	ug/L
120-12-7	Anthracene	0.039U	0.100	0.039	ug/L
56-55-3	Benzo(a)anthracene	0.025U	0.100	0.025	ug/L
50-32-8	Benzo(a)pyrene	0.083U	0.100	0.083	ug/L
205-99-2	Benzo(b)fluoranthene	0.045U	0.100	0.045	ug/L
191-24-2	Benzo(g,h,i)perylene	0.054U	0.250	0.054	ug/L
207-08-9	Benzo(k)fluoranthene	0.059U	0.100	0.059	ug/L
218-01-9	Chrysene	0.045U	0.100	0.045	ug/L
53-70-3	Dibenz(a,h)anthracene	0.063U	0.100	0.063	ug/L
206-44-0	Fluoranthene	0.089U	0.250	0.089	ug/L
86-73-7	Fluorene	0.100U	0.500	0.100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.059U	0.250	0.059	ug/L
91-20-3	Naphthalene	0.077U	0.500	0.077	ug/L
85-01-8	Phenanthrene	0.039U	0.100	0.039	ug/L
129-00-0	Pyrene	0.048U	0.250	0.048	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
92-94-4	p-Terphenyl	2	1.52	ug/L	76	43 - 115

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061504	**MW-3**	Water	12/04/2006 14:50	12/06/2006 09:45

8310, PNAs by HPLC, Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/07/2006 09:00	338339	SW-846 8310	1	12/12/2006 16:37	RFS	338666

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	1-Methylnaphthalene	0.093U	1.00	0.093	ug/L
91-57-6	2-Methylnaphthalene	0.113U	1.00	0.113	ug/L
83-32-9	Acenaphthene	0.135U	1.00	0.135	ug/L
208-96-8	Acenaphthylene	0.102U	1.00	0.102	ug/L
120-12-7	Anthracene	0.039U	0.100	0.039	ug/L
56-55-3	Benzo(a)anthracene	0.025U	0.100	0.025	ug/L
50-32-8	Benzo(a)pyrene	0.083U	0.100	0.083	ug/L
205-99-2	Benzo(b)fluoranthene	0.045U	0.100	0.045	ug/L
191-24-2	Benzo(g,h,i)perylene	0.054U	0.250	0.054	ug/L
207-08-9	Benzo(k)fluoranthene	0.059U	0.100	0.059	ug/L
218-01-9	Chrysene	0.045U	0.100	0.045	ug/L
53-70-3	Dibenz(a,h)anthracene	0.063U	0.100	0.063	ug/L
206-44-0	Fluoranthene	0.089U	0.250	0.089	ug/L
86-73-7	Fluorene	0.100U	0.500	0.100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.059U	0.250	0.059	ug/L
91-20-3	Naphthalene	0.077U	0.500	0.077	ug/L
85-01-8	Phenanthrene	0.039U	0.100	0.039	ug/L
129-00-0	Pyrene	0.048U	0.250	0.048	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
92-94-4	p-Terphenyl	2	1.48	ug/L	74	43 - 115

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061505	**MW-5**	Water	12/04/2006 14:12	12/06/2006 09:45

8310, PNAs by HPLC, Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/07/2006 09:00	338339	SW-846 8310	1	12/12/2006 16:44	RFS	338666

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	1-Methylnaphthalene	0.093U	1.00	0.093	ug/L
91-57-6	2-Methylnaphthalene	0.113U	1.00	0.113	ug/L
83-32-9	Acenaphthene	0.135U	1.00	0.135	ug/L
208-96-8	Acenaphthylene	0.102U	1.00	0.102	ug/L
120-12-7	Anthracene	0.039U	0.100	0.039	ug/L
56-55-3	Benzo(a)anthracene	0.025U	0.100	0.025	ug/L
50-32-8	Benzo(a)pyrene	0.083U	0.100	0.083	ug/L
205-99-2	Benzo(b)fluoranthene	0.045U	0.100	0.045	ug/L
191-24-2	Benzo(g,h,i)perylene	0.054U	0.250	0.054	ug/L
207-08-9	Benzo(k)fluoranthene	0.059U	0.100	0.059	ug/L
218-01-9	Chrysene	0.045U	0.100	0.045	ug/L
53-70-3	Dibenz(a,h)anthracene	0.063U	0.100	0.063	ug/L
206-44-0	Fluoranthene	0.089U	0.250	0.089	ug/L
86-73-7	Fluorene	0.100U	0.500	0.100	ug/L
193-39-5	Indeno(1,2,3-cd)pyrene	0.059U	0.250	0.059	ug/L
91-20-3	Naphthalene	0.077U	0.500	0.077	ug/L
85-01-8	Phenanthrene	0.039U	0.100	0.039	ug/L
129-00-0	Pyrene	0.048U	0.250	0.048	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
92-94-4	p-Terphenyl	2	1.44	ug/L	72	43 - 115

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061506	**MW-7**	Water	12/04/2006 14:27	12/06/2006 09:45

8310, PNAs by HPLC, Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/07/2006 09:00	338339	SW-846 8310	1	12/12/2006 16:51	RFS	338666

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	**1-Methylnaphthalene**	**1.65**	**1.00**	**0.093**	**ug/L**
91-57-6	2-Methylnaphthalene	0.113U	1.00	0.113	ug/L
83-32-9	Acenaphthene	0.135U	1.00	0.135	ug/L
208-96-8	Acenaphthylene	0.102U	1.00	0.102	ug/L
120-12-7	**Anthracene**	**0.405**	**0.100**	**0.039**	**ug/L**
56-55-3	Benzo(a)anthracene	0.025U	0.100	0.025	ug/L
50-32-8	**Benzo(a)pyrene**	**0.174**	**0.100**	**0.083**	**ug/L**
205-99-2	**Benzo(b)fluoranthene**	**0.193**	**0.100**	**0.045**	**ug/L**
191-24-2	Benzo(g,h,i)perylene	0.054U	0.250	0.054	ug/L
207-08-9	Benzo(k)fluoranthene	0.059U	0.100	0.059	ug/L
218-01-9	Chrysene	0.045U	0.100	0.045	ug/L
53-70-3	Dibenz(a,h)anthracene	0.063U	0.100	0.063	ug/L
206-44-0	Fluoranthene	0.089U	0.250	0.089	ug/L
86-73-7	**Fluorene**	**1.00**	**0.500**	**0.100**	**ug/L**
193-39-5	Indeno(1,2,3-cd)pyrene	0.059U	0.250	0.059	ug/L
91-20-3	Naphthalene	0.077U	0.500	0.077	ug/L
85-01-8	Phenanthrene	0.039U	0.100	0.039	ug/L
129-00-0	Pyrene	0.048U	0.250	0.048	ug/L

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
92-94-4	p-Terphenyl	2	1.06	ug/L	53	43 - 115

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061507	**MW-9**	Water	12/04/2006 15:35	12/06/2006 09:45

8310, PNAs by HPLC, Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/07/2006 09:00	338339	SW-846 8310	1	12/12/2006 16:57	RFS	338666

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	1-Methylnaphthalene	0.093U	1.00	0.093	ug/L
91-57-6	2-Methylnaphthalene	0.113U	1.00	0.113	ug/L
83-32-9	Acenaphthene	0.135U	1.00	0.135	ug/L
208-96-8	Acenaphthylene	0.102U	1.00	0.102	ug/L
120-12-7	**Anthracene**	**0.203**	**0.100**	**0.039**	**ug/L**
56-55-3	Benzo(a)anthracene	0.025U	0.100	0.025	ug/L
50-32-8	Benzo(a)pyrene	0.083U	0.100	0.083	ug/L
205-99-2	Benzo(b)fluoranthene	0.045U	0.100	0.045	ug/L
191-24-2	Benzo(g,h,i)perylene	0.054U	0.250	0.054	ug/L
207-08-9	Benzo(k)fluoranthene	0.059U	0.100	0.059	ug/L
218-01-9	Chrysene	0.045U	0.100	0.045	ug/L
53-70-3	Dibenz(a,h)anthracene	0.063U	0.100	0.063	ug/L
206-44-0	Fluoranthene	0.089U	0.250	0.089	ug/L
86-73-7	**Fluorene**	**0.642**	**0.500**	**0.100**	**ug/L**
193-39-5	Indeno(1,2,3-cd)pyrene	0.059U	0.250	0.059	ug/L
91-20-3	**Naphthalene**	**0.214I**	**0.500**	**0.077**	**ug/L**
85-01-8	Phenanthrene	0.039U	0.100	0.039	ug/L
129-00-0	**Pyrene**	**1.59**	**0.250**	**0.048**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
92-94-4	p-Terphenyl	2	1.77	ug/L	89	43 - 115

GCAL ID	Client ID	Matrix	Collect Date/Time	Receive Date/Time
20612061508	**MW-11R**	Water	12/04/2006 14:00	12/06/2006 09:45

8310, PNAs by HPLC, Water

Prep Date	Prep Batch	Prep Method	Dilution	Analyzed	By	Analytical Batch
12/07/2006 09:00	338339	SW-846 8310	1	12/12/2006 17:04	RFS	338666

CAS#	Parameter	Result	RDL	MDL	Units
90-12-0	**1-Methylnaphthalene**	**2.62**	**1.00**	**0.093**	**ug/L**
91-57-6	2-Methylnaphthalene	0.113U	1.00	0.113	ug/L
83-32-9	Acenaphthene	0.135U	1.00	0.135	ug/L
208-96-8	Acenaphthylene	0.102U	1.00	0.102	ug/L
120-12-7	**Anthracene**	**0.663**	**0.100**	**0.039**	**ug/L**
56-55-3	Benzo(a)anthracene	0.025U	0.100	0.025	ug/L
50-32-8	Benzo(a)pyrene	0.083U	0.100	0.083	ug/L
205-99-2	Benzo(b)fluoranthene	0.045U	0.100	0.045	ug/L
191-24-2	Benzo(g,h,i)perylene	0.054U	0.250	0.054	ug/L
207-08-9	Benzo(k)fluoranthene	0.059U	0.100	0.059	ug/L
218-01-9	Chrysene	0.045U	0.100	0.045	ug/L
53-70-3	Dibenz(a,h)anthracene	0.063U	0.100	0.063	ug/L
206-44-0	Fluoranthene	0.089U	0.250	0.089	ug/L
86-73-7	**Fluorene**	**1.65**	**0.500**	**0.100**	**ug/L**
193-39-5	Indeno(1,2,3-cd)pyrene	0.059U	0.250	0.059	ug/L
91-20-3	Naphthalene	0.077U	0.500	0.077	ug/L
85-01-8	Phenanthrene	0.039U	0.100	0.039	ug/L
129-00-0	**Pyrene**	**1.51**	**0.250**	**0.048**	**ug/L**

CAS#	Surrogate	Conc. Spiked	Conc. Rec	Units	% Recovery	Rec Limits
92-94-4	p-Terphenyl	2	1.95	ug/L	98	43 - 115

General Chromatography Quality Control Summary

Analytical Batch	338666	**Client ID**	MB338339	LCS338339	LCSD338339
Prep Batch	338339	**GCAL ID**	436314	436315	436316
Prep Method	SW-846 8310	**Sample Type**	Method Blank	LCS	LCSD
		Prep Date	12/07/2006 09:00	12/07/2006 09:00	12/07/2006 09:00
		Analytical Date	12/12/2006 15:34	12/12/2006 15:42	12/12/2006 15:55
		Matrix	Water	Water	Water

8310, PNAs by HPLC, Water		**Units**	ug/L	**Spike**	**Result**		**Control**	**Result**			**RPD**
		Result	**RDL**	**Added**		**% R**	**Limits % R**		**% R**	**RPD**	**Limit**
83-32-9	Acenaphthene	0.135U	0.135	5.00	3.56	71	23 - 153	3.45	69	3	30
208-96-8	Acenaphthylene	0.102U	0.102	5.00	4.45	89	34 - 132	4.94	99	10	30
120-12-7	Anthracene	0.039U	0.039	5.00	4.26	85	63 - 105	4.31	86	1	30
56-55-3	Benzo(a)anthracene	0.025U	0.025	5.00	4.47	89	67 - 104	4.58	92	2	30
205-99-2	Benzo(b)fluoranthene	0.045U	0.045	5.00	4.45	89	64 - 104	4.53	91	2	30
207-08-9	Benzo(k)fluoranthene	0.059U	0.059	5.00	4.22	84	49 - 114	4.35	87	3	30
191-24-2	Benzo(g,h,i)perylene	0.054U	0.054	5.00	3.83	77	28 - 112	4.11	82	7	30
50-32-8	Benzo(a)pyrene	0.083U	0.083	5.00	4.36	87	56 - 110	4.56	91	4	30
218-01-9	Chrysene	0.045U	0.045	5.00	4.61	92	69 - 108	4.73	95	3	30
53-70-3	Dibenz(a,h)anthracene	0.063U	0.063	5.00	3.99	80	17 - 108	4.46	89	11	30
206-44-0	Fluoranthene	0.089U	0.089	5.00	4.52	90	55 - 111	4.67	93	3	30
86-73-7	Fluorene	0.100U	0.100	5.00	4.42	88	58 - 109	4.42	88	0	30
193-39-5	Indeno(1,2,3-cd)pyrene	0.059U	0.059	5.00	4.26	85	44 - 112	4.40	88	3	30
91-20-3	Naphthalene	0.077U	0.077	5.00	5.31	106	10 - 137	5.01	100	6	30
85-01-8	Phenanthrene	0.039U	0.039	5.00	4.39	88	62 - 104	4.42	88	0.7	30
129-00-0	Pyrene	0.048U	0.048	5.00	4.74	95	58 - 118	4.82	96	2	30
90-12-0	1-Methylnaphthalene	0.093U	0.093	5.00	5.20	104	28 - 166	5.56	111	7	30
91-57-6	2-Methylnaphthalene	0.113U	0.113	5.00	4.84	97	31 - 123	5.46	109	12	30
Surrogate											
92-94-4	p-Terphenyl	1.54	77	2	1.53	77	43 - 115	1.57	79		

Gulf Coast Labnet / 4569 / 20061206 15 / 12-13-06

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: 803 GOVT. ST., STE. A, MOBILE, AL 36602	Phone: (251) 625-1331	FDEP Facility No.:
	Fax: (251) 625-1299	Project Name: UST-17 / NAS
		Location: PENSACOLA, FL
		Project No.:

Attn: EMILIE WIEN — Phone: — Fax:

Sampled by [Print Name]/Affiliation: Curtis Mills — Sampler Signature:

REQUESTED DUE DATE

Item No.	Field ID No.	Sampled Date	Sampled Time	Grab or Comp.	Matrix Codes	No. Cont.	8310 PAH (H)	Remarks	Lab. No.
								REPORT TO MDL.	
	MW-1	12-4-06	1243		GW		X	REPORT in ppb	1
	MW-2R	12-4-06	1311				X	FDEP FORMAT	2
	MW-4R	12-4-06	1334				X		3
	MW-3	12-4-06	1450				X		4
	MW-5	12-4-06	1412				X		5
	MW-7	12-4-06	1427				X		6
	MW-9	12-4-06	1535				X		7
	MW-11R	12-4-06	1400				X		8

Shipment Method — Out: / / Via: — Returned: / / Via:

Additional Comments

8 ←Total Number of Containers

Item #	Relinquished by / Affiliation	Date	Time	Accepted by / Affiliation	Date	Time
	EMPTY CONTAINERS			[signature] / AES	12/4/06	
	[signature] / AES	12-5-06	9:10	[signature] / GCL	12/5/06	0910
	[signature] / GCL	12/5/06	1800	[signature]	12/5/06	1800
	[signature]	12/06/06	0945	[signature]	12/06/06	0945

Cooler No.(s) / Temperature(s) (°C)	Sampling Kit No.	Equipment ID No.
3°C	5952	

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)