

N60201.AR.001054
NS MAYPORT
5090.3a

LETTER REPORT REGARDING FIRST QUARTER FREE PRODUCT/BASELINE
TREATABILITY STUDY AND GROUNDWATER MONITORING REPORT FOR CALENDAR
YEAR 2010 AT SITE 351-2 NS MAYPORT FL
2/8/2011
TETRA TECH NUS

**TETRA TECH NUS, INC.**

8640 Philips Highway, Suite 16 • Jacksonville, FL 32256
Tel 904.636.6125 • Fax 904.636.6165 • www.tetrattech.com

Document Tracking Number 11JAX0023

February 8, 2011

Project Number 112G02316

Commander, Southeast
Naval Facilities Engineering Command
ATTN: Beverly Washington (Code OPA5)
135 Ajax Street North, Building 135
Naval Air Station Jacksonville
Jacksonville, FL 32212-0030

Reference: CLEAN IV Contract Number N62467-04-D-0055
Contract Task Order Number 0160

Subject: 1st Quarter Free Product/Baseline Treatability Study and Groundwater Monitoring Report
for Site 351-2 for Calendar Year 2010
Naval Station Mayport, Jacksonville, Florida

Dear Ms. Washington:

Tetra Tech NUS, Inc. (Tetra Tech) is pleased to submit the Site 351-2 1st Quarter Free Product/ Groundwater Monitoring Report for Contract Task Order (CTO) 0160. This report was prepared for the United States Navy, Naval Facilities Engineering Command, Southeast (NAVFAC SE) for the Comprehensive Long-term Environmental Action Navy IV Contract Number N62467-04-D-0055. This letter report provides the results of the first quarter groundwater sampling event for calendar year 2010.

SITE LOCATION

Naval Station (NAVSTA) Mayport is located within the corporate limits of the city of Jacksonville, Duval County, Florida, approximately 12 miles to the northeast of downtown Jacksonville and adjacent to the town of Mayport. A Regional Area Map is provided as Figure 1. The Station complex is located on the northern end of a peninsula bound by the Atlantic Ocean to the east and the St. Johns River to the north. NAVSTA Mayport occupies the entire northern part of the peninsula except for the town of Mayport, which is located to the west between the Station and the St. Johns River.

SITE DESCRIPTION

Site 351-2 is located on the northwestern side of Building 351 in the northeastern section of NAVSTA Mayport as shown on Figure 2. Building 351 is one of the primary buildings comprising the Training Site Detachment. The source area for the current investigation is located between Building 351 and Building 1388. Building 1388 is approximately 35 feet northwest of Building 351.



PREVIOUS INVESTIGATIONS

On December 16, 2003, it was discovered that a release of 650 gallons of No. 2 fuel oil from a faulty fuel line located at Building 351 spilled into a grassy area located between Buildings 351 and 1388. Seven 55-gallon drums of petroleum impacted waste were generated during the initial cleanup of the site. The spill report documentation, however, stated, "cleanup of the spill is not complete". The spill report documentation is presented as Attachment A.

As part of a removal on June 28, 2004, Aerostar Environmental Services, Inc. was contracted by NAVFAC SE to remove impacted soil for disposal. The excavation included a 15-foot by 5-foot by 3-foot deep area and resulted in the removal of 14.14 tons of impacted soil. The impacted soil was placed in a roll off container and transported offsite for disposal at a licensed facility.

Tetra Tech conducted soil and groundwater investigations at the site in two phases. Phase I (August 2005 and March 2006) was a screening phase in which soil and groundwater grab samples were collected by direct push technology and hand drive point methods. Phase II (December 2006 and January 2007) included the installation of five permanent and three temporary monitoring wells at locations based upon the Phase I results. During Phase I, various soil and groundwater samples were analyzed by an on-site mobile laboratory, and soil headspace vapors were screened using an organic vapor analyzer. During Phase II, collected soil and groundwater samples were analyzed for Gasoline Analytical Group (GAG)/Kerosene Analytical Group (KAG) per Chapter 62-770, Florida Administrative Code (F.A.C.) using a fixed-base laboratory. Screening results indicated vapor headspace readings from 20 of the samples exceeding 10 parts per million (ppm) with 15 of the samples exceeding the 50 ppm "excessively contaminated" level per Chapter 62-770, F.A.C. The results from the soil investigation at the site were used to perform a source removal.

From January 3 to 6, 2007, the remaining petroleum-impacted soil from the original release was excavated by Fueling Components Inc. of Jacksonville Florida, and a Tetra Tech representative provided oversight. Approximately 76 tons of soil were removed from the excavation and stockpiled at the site to await disposal. Several areas of petroleum-impacted soils could not be excavated during the source removal due to the presence of underground utilities and the close proximity of buildings. The excavation was backfilled with clean fill and compacted to an estimated 90 percent compaction using a hand compactor to reduce subsidence. On January 8, 2007, soil from the excavation of Site 351-2 was removed for disposal by Soil Remediation, Inc. of Kingsland, Georgia, a state licensed soil incineration facility.

During the May 13, 2008, NAVSTA Mayport Tier I Partnering Team meeting, the implementation of a treatability study was proposed and approved for Site 351-2. The treatability study involved the use of BIOX[®], an oxidizing insitu treatment of the soil and groundwater. To utilize this technology the free product thickness at the site must be reduced to a minimum of 1 inch in thickness.

To facilitate the reduction of free product, a Tetra Tech representative oversaw the installation of 13 2-inch diameter recovery wells installed from January 6 through 8, 2009, to an approximate depth of 13 feet below land surface. The recovery wells were placed near monitoring wells MPT-351-2 MW05S and MPT-351-2 MW-03S. Petroleum sorbent material (called "socks") were installed the wells, and any free product not collected in the sock was removed using a peristaltic pump.

BIOX[®] TREATABILITY STUDY

The path forward for the treatability study was to reduce the thickness of free product using the existing monitoring wells and 13 additional recovery wells. Once the free product thickness was reduced to 1 inch or less, a baseline groundwater sampling event will be conducted prior to the application of BIOX[®]. Once the BIOX[®] had been applied, subsequent quarterly groundwater sample events were to follow for 1 year.



The results of source removal and treatability study efforts are to be included in the Site Assessment Report as a single document to be submitted to the Navy and Florida Department of Environmental Protection (FDEP) documenting the work conducted at Site 351-2 at a future date to be determined.

SAMPLING METHODS

On February 25 and 26, 2010, a Tetra Tech representative collected groundwater samples for laboratory analyses. Five monitoring wells were sampled for benzene, toluene, ethylbenzene, and xylenes (BTEX) and methyl tertiary-butyl ether (MTBE) using United States Environmental Protection Agency (USEPA) Method 8260B; polynuclear aromatic hydrocarbons (PAHs) using USEPA Method 8270; and total recoverable petroleum hydrocarbons (TRPH) using the Florida Petroleum Residual Organics (FL-PRO) Method.

Groundwater sampling was conducted in general accordance with FDEP Standard Operating Procedure DEP-SOP-001/01, FS 2200 (February 2004). A minimum one well volume was pumped from each shallow well (partially submerged screen), and a minimum one volume of the pump, associated tubing, and flow cell was pumped from the deep well (fully submerged screen) using a peristaltic pump and the low flow quiescent purging method. After purging of these initial quantities, purging was continued and field parameters pH, specific conductance, dissolved oxygen, and temperature were measured periodically (minimum 3-minute intervals) using an YSI 556 instrument. Turbidity was measured using LaMotte 2020 turbidimeter.

Purging was considered complete when three consecutive measurements were within the following limits:

- Temperature ± 0.2 degrees Celsius ($^{\circ}\text{C}$)
- pH ± 0.2 Standard Units
- Specific conductivity ± 5 percent of previous reading(s)
- Dissolved oxygen not greater than 20 percent of saturation at field measured temperature
- Turbidity less than or equal to 20 Nephelometric Units.

After collection, samples were immediately placed on ice and delivered to Accutest Laboratories in Orlando, Florida the following morning under proper chain-of-custody and preservation (4°C protocol). Samples were analyzed for GAG/KAG constituents in accordance with Table B of Chapter 62-770, F.A.C., which included volatile organic compounds using USEPA Method 8260, PAHs using USEPA Method 8270, ethylene dibromide using USEPA Method 8011, total lead using USEPA Method 6010, and TRPH using the FL-PRO method. Field data sheets are included in Attachment B.

GROUNDWATER FLOW

Depth-to-groundwater was measured from the top of casing (TOC) of the monitoring wells using an electronic water level indicator. The TOC elevations of the monitoring wells were surveyed during a previous Tetra Tech investigation shortly following installation of the monitoring wells in 2006. The groundwater elevation recorded at a monitoring well was obtained by subtracting the depth-to-water measurement from the surveyed TOC elevation. Depths-to-groundwater and surveyed TOC elevations were measured on February 26, 2010, and are provided in Table 1. A groundwater elevation contour map generated from depth-to-water measurements recorded during the fourth quarter sampling event is provided as Figure 3. Data provided in Figure 3 shows components of groundwater flow to the northwest. Historical groundwater flow direction is typically north or northeast. The difference in elevation between the high and low elevation is 0.55 foot, which is a large difference for Site 351-2. The large difference in elevation may be a result of inaccurate depth-to-groundwater measurements.



FREE PRODUCT

Free product measurements are taken monthly using an Oil Recovery System (ORS) free product probe that electronically sounds for free product and water. If free product is present, the free product is removed by low flow pumping using a peristaltic pump and containerized for disposal.

Beginning in April 2008, Tetra Tech representatives measured thicknesses of free product using an ORS electronic free product probe and removed free product, when present, at Site 351-2. Measurable product thickness readings have been recorded April 2008 through June 2009. No free product was observed during the July 2009 through May 2010 field events. The free product thickness measurements and volumes recovered are presented as Table 2. The thickest free product measurement recorded to date occurred during the January 2009 field effort, during which a thickness of 2.49 feet was recorded. The volume of free product recovered during May 2007 also was recorded to be the greatest with 6000 milliliters recovered.

No measurable free product has been detected since June 2009, including this event.

DISCUSSION OF GROUNDWATER ANALYTICAL RESULTS

On February 25 and 26, 2010, a Tetra Tech representative collected groundwater samples for laboratory analyses. Five monitoring wells were sampled for BTEX and MTBE using USEPA Method 8260B, PAHs using USEPA Method 8270, and TRPH using the FL-PRO Method. A summary of the groundwater analytical results are presented as Table 3 and a diagram depicting the well locations is provided as Figure 4. Analytical results are included in Attachment C.

Petroleum constituents were detected in monitoring wells MW-03S and MW-05S with groundwater constituent levels that exceeded Florida Department of Environmental Protection (FDEP) Groundwater Cleanup Target Levels (GCTLs). Naphthalene was identified as the only groundwater constituent that exceeded GCTLs in monitoring well MW-03S (23.8 micrograms per liter [$\mu\text{g/L}$]), and one of the groundwater constituents that exceeded GCTLs in monitoring well MW-05S (47.2 $\mu\text{g/L}$). Other groundwater constituents that exceeded GCTLs in monitoring well MW-05S were 1-methylnaphthalene (56.9 $\mu\text{g/L}$) and 2-methylnaphthalene (75.0 $\mu\text{g/L}$).

FIRST QUARTER CONCLUSIONS AND RECOMMENDATIONS

Based on the additional site information obtained during the first quarter monitoring event, it is concluded that measurable free product has been absent from monitoring well MW-03S since June 2009. No evidence (stained socks) has been observed since July 2009.

Based on the most recent information, the following is recommended:

- Continue to measure and recover free product in monitoring wells MW-03S, MW-05S, and Free Product wells 1 through 13, if present.
- Continue to monitor the sorbent socks, documenting the color of sorbent material when exchanging with new sorbent material.
- Continue to conduct quarterly groundwater sampling at monitoring wells MW-01S, MW-02S, MW-03S, and MW-05S.
- Conduct the second quarter sampling event, which will also serve as a baseline for the treatability study.



If you have any questions, please feel free to contact me at (904) 730-4669, extension 213, or via e-mail at Mark.Peterson@tetrattech.com.

Sincerely,

Mark A. Peterson, P.G.
Project Manager

MP/ds

Attachments (9)

- c: John Winters, FDEP (2 copies, 1 CD)
- Paul Malewicki, NAVSTA Mayport (1 copy, 1 CD)
- Debra Humbert, Tetra Tech (1 copy, 1 CD)
- RDM (1 copy, 1 CD)
- NAVSTA Mayport Administrative Record (electronic copy)
- CTO 0160 Project File

CERTIFICATION

The information contained is based on the geologic investigation and associated information detailed in the text and appended to this letter report. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of any additional information on the information described in this report. This 1st Quarter Free Product/Groundwater Monitoring Report for Calendar Year 2010 was developed for Site 351-2 at the Naval Station Mayport, Jacksonville, Florida, and should not be construed to apply to any other site.

February 8, 2011
Mark Peterson, P.G.
Florida License Number PG-1852
Task Order Manager

TABLES

TABLE 1
TOP OF CASING SURVEY DATA AND DEPTH-TO-GROUNDWATER MEASUREMENTS
FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

| Monitoring Well | TOC (feet) | 26-Feb-10 | |
|-----------------|------------|-----------------------------|---------------------------|
| | | Depth-to-Groundwater (feet) | Feet Above Mean Sea Level |
| MW-01S | 7.75 | 3.71 | 4.04 |
| MW-02S | 7.73 | 5.05 | 2.68 |
| MW-03S | 7.59 | 5.04 | 2.55 |
| MW-05S | 8.17 | 6.04 | 2.13 |

Notes:

Depth-to-Groundwater measurements were taken on February 25, 2010.

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 1 OF 10

| DATE | MW-05S | | MW-03S | | RW-01 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 04/07/08 | 1.1 | 300 | 1.4 | 1500 | NM | none |
| 05/29/08 | 0.16 | 200 | 0.55 | 2000* | NM | none |
| 06/20/08 | NM | NM | 1.85 | 3000 | NM | none |
| 07/15/08 | 0.75 | 300 | 0.6 | 2350* | NM | none |
| 07/25/08 | 0.5 | 300 | 0.44 | 1500* | NM | none |
| 08/01/08 | 0 | 0 | 0.27 | 2500* | NM | none |
| 08/08/08 | 0.1 | 100 | 0.08 | 200 | NM | none |
| 08/14/08 | 0 | 0 | 0.31 | 2500* | NM | none |
| 08/28/08 | 0 | 0 | 0.35 | 2500* | NM | none |
| 09/04/08 | 0 | 0 | 0.5 | 3500* | NM | none |
| 09/08/08 | 0 | 0 | 0.35 | 2000* | NM | none |
| 09/18/08 | 0 | 0 | 0.31 | 2400* | NM | none |
| 09/25/08 | 0 | 0 | 0.31 | 3500* | NM | none |
| 10/02/08 | none | none | 0.43 | 3500* | NM | none |
| 10/07/08 | none | none | 0.3 | 3000* | NM | none |
| 10/16/08 | none | none | 0.24 | 3500* | NM | none |
| 10/27/08 | none | none | 0.13 | 4000* | NM | none |
| 11/07/08 | none | none | 0.2 | 3000* | NM | none |
| 11/26/08 | none | none | 0.23 | 4000* | NM | none |
| 12/11/08 | none | none | none | none | NM | none |
| 12/31/08 | none | none | none | none | NM | none |
| 01/09/09 | none | none | 0.34 | 500 | NM | none |
| 01/15/09 | none | none | 0.54 | 1000 | NM | none |
| 01/22/09 | none | none | none | 1000 ** | NM | none |
| 01/30/09 | none | none | 2.49 | 6000 | NM | none |
| 02/02/09 | none | none | 0.26 | 2000 | NM | none |
| 02/09/09 | none | none | 0.94 | 2000 | NM | none |
| 02/19/09 | none | none | 1.23 | 3000 | NM | none |
| 02/26/09 | none | none | 1.02 | 2000 | NM | none |
| 02/27/09 | none | none | 0.88 | 2500 | NM | none |
| 03/02/09 | none | none | 1.03 | 3000 | NM | none |
| 03/13/09 | none | none | 1.09 | 3000 | NM | none |
| 03/19/09 | none | none | 1.11 | 3000 | NM | none |
| 03/23/09 | NM | none | none | 1000 ** | N/A | 500 ** |
| 04/01/09 | N/A | N/A | NM | NM | 0.3 | 800 |
| 04/13/09 | none | none | 0.6 | 1000 | none | 500 ** |
| 04/16/09 | none | none | 0.37 | 2000 | none | none |
| 04/22/09 | none | none | none | none | none | none |
| 05/01/09 | none | none | none | none | none | none |
| 05/08/09 | none | none | none | none | 0.4 | 1000 |
| 06/05/09 | none | none | 2.1 | 2000 | none | 500 ** |
| 06/08/09 | none | none | 0.67 | 500 | 0.2 | 600 |

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 2 OF 10

| DATE | MW-05S | | MW-03S | | RW-01 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 06/24/09 | none | none | none | 450 ** | none | none |
| 07/01/09 | none | none | none | 250 ** | none | none |
| 07/07/09 | none | none | none | 250 ** | none | none |
| 07/17/09 | none | none | NM | 500 ** | none | 100 ** |
| 07/31/09 | NM | none | NM | 100 ** | none | none |
| 08/05/09 | none | none | none | none | none | none |
| 08/10/09 | none | none | N/A | none | none | none |
| 08/19/09 | none | none | none | none | none | none |
| 09/03/09 | none | none | none | none | none | none |
| 09/25/09 | none | none | N/A | none | none | none |
| 10/02/09 | none | none | none | none | none | none |
| 10/07/09 | none | none | none | none | none | none |
| 10/13/09 | none | none | none | none | none | none |
| 10/21/09 | none | none | N/A | none | none | none |
| 10/27/09 | none | none | none | none | none | none |
| 11/18/09 | none | none | none | none | none | none |
| 11/25/09 | none | none | none | none | none | none |
| 12/04/09 | none | none | N/A | none | none | none |
| 12/09/09 | none | none | none | none | none | none |
| 12/14/09 | none | none | none | none | none | none |
| 12/30/09 | none | none | none | none | none | none |
| 01/06/10 | none | none | none | none | none | none |
| 01/11/10 | none | none | none | none | none | none |
| 01/29/10 | none | none | none | none | none | none |
| 02/04/10 | none | none | none | none | none | none |
| 02/11/10 | none | none | none | none | none | none |
| 02/18/10 | none | none | none | none | none | none |
| 02/26/10 | none | none | none | none | none | none |
| 03/05/10 | none | none | none | none | none | none |
| 03/10/10 | none | none | none | none | none | none |
| 03/19/10 | none | none | none | none | none | none |
| 03/25/10 | none | none | none | none | none | none |

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 3 OF 10

| DATE | RW-02 | | RW-03 | | RW-04 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 04/07/08 | NM | none | NM | none | NM | none |
| 05/29/08 | NM | none | NM | none | NM | none |
| 06/20/08 | NM | none | NM | none | NM | none |
| 07/15/08 | NM | none | NM | none | NM | none |
| 07/25/08 | NM | none | NM | none | NM | none |
| 08/01/08 | NM | none | NM | none | NM | none |
| 08/08/08 | NM | none | NM | none | NM | none |
| 08/14/08 | NM | none | NM | none | NM | none |
| 08/28/08 | NM | none | NM | none | NM | none |
| 09/04/08 | NM | none | NM | none | NM | none |
| 09/08/08 | NM | none | NM | none | NM | none |
| 09/18/08 | NM | none | NM | none | NM | none |
| 09/25/08 | NM | none | NM | none | NM | none |
| 10/02/08 | NM | none | NM | none | NM | none |
| 10/07/08 | NM | none | NM | none | NM | none |
| 10/16/08 | NM | none | NM | none | NM | none |
| 10/27/08 | NM | none | NM | none | NM | none |
| 11/07/08 | NM | none | NM | none | NM | none |
| 11/26/08 | NM | none | NM | none | NM | none |
| 12/11/08 | NM | none | NM | none | NM | none |
| 12/31/08 | NM | none | NM | none | NM | none |
| 01/09/09 | NM | none | NM | none | NM | none |
| 01/15/09 | NM | none | NM | none | NM | none |
| 01/22/09 | NM | none | NM | none | NM | none |
| 01/30/09 | NM | none | NM | none | none | none |
| 02/02/09 | NM | none | NM | none | none | none |
| 02/09/09 | NM | none | NM | none | none | 500 ** |
| 02/19/09 | NM | none | NM | none | none | 300 ** |
| 02/26/09 | NM | none | NM | none | none | 500 ** |
| 02/27/09 | NM | none | NM | none | none | 300 ** |
| 03/02/09 | NM | none | NM | none | none | none |
| 03/13/09 | NM | none | NM | none | none | 300 ** |
| 03/19/09 | NM | none | NM | none | none | 500 ** |
| 03/23/09 | NM | none | NM | none | NM | none |
| 04/01/09 | NM | none | NM | none | none | 200 ** |
| 04/13/09 | NM | none | NM | none | none | none |
| 04/16/09 | NM | none | NM | none | none | none |
| 04/22/09 | NM | none | NM | none | none | none |
| 05/01/09 | NM | none | NM | none | none | none |
| 05/08/09 | NM | none | NM | none | none | none |

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 4 OF 10

| DATE | RW-02 | | RW-03 | | RW-04 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 06/05/09 | NM | none | NM | none | none | none |
| 06/08/09 | NM | none | NM | none | none | none |
| 06/24/09 | NM | none | NM | none | none | none |
| 07/01/09 | NM | none | NM | none | none | none |
| 07/07/09 | NM | none | NM | none | none | none |
| 07/17/09 | NM | none | NM | none | NM | none |
| 07/31/09 | NM | none | NM | none | NM | none |
| 08/05/09 | NM | none | NM | none | none | none |
| 08/10/09 | NM | none | NM | none | none | none |
| 08/19/09 | NM | none | NM | none | none | none |
| 09/03/09 | NM | none | NM | none | none | none |
| 09/25/09 | NM | none | NM | none | none | none |
| 10/02/09 | NM | none | NM | none | none | none |
| 10/07/09 | NM | none | NM | none | none | none |
| 10/13/09 | NM | none | NM | none | none | none |
| 10/21/09 | NM | none | NM | none | none | none |
| 10/27/09 | NM | none | NM | none | none | none |
| 11/18/09 | NM | none | NM | none | none | none |
| 11/25/09 | NM | none | NM | none | none | none |
| 12/04/09 | NM | none | NM | none | none | none |
| 12/09/09 | NM | none | NM | none | none | none |
| 12/14/09 | NM | none | NM | none | none | none |
| 12/30/09 | NM | none | NM | none | none | none |
| 01/06/10 | NM | none | NM | none | none | none |
| 01/11/10 | NM | none | NM | none | none | none |
| 01/29/10 | NM | none | NM | none | none | none |
| 02/04/10 | NM | none | NM | none | none | none |
| 02/11/10 | NM | none | NM | none | none | none |
| 02/18/10 | NM | none | NM | none | none | none |
| 02/26/10 | NM | none | NM | none | none | none |
| 03/05/10 | NM | none | NM | none | none | none |
| 03/10/10 | NM | none | NM | none | none | none |
| 03/19/10 | NM | none | NM | none | none | none |
| 03/25/10 | NM | none | NM | none | none | none |

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 5 OF 10

| DATE | RW-05 | | RW-06 | | RW-07 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 04/07/08 | none | none | NM | none | NM | none |
| 05/29/08 | none | none | NM | none | NM | none |
| 06/20/08 | none | none | NM | none | NM | none |
| 07/15/08 | none | none | NM | none | NM | none |
| 07/25/08 | none | none | NM | none | NM | none |
| 08/01/08 | none | none | NM | none | NM | none |
| 08/08/08 | none | none | NM | none | NM | none |
| 08/14/08 | none | none | NM | none | NM | none |
| 08/28/08 | none | none | NM | none | NM | none |
| 09/04/08 | none | none | NM | none | NM | none |
| 09/08/08 | none | none | NM | none | NM | none |
| 09/18/08 | none | none | NM | none | NM | none |
| 09/25/08 | none | none | NM | none | NM | none |
| 10/02/08 | none | none | NM | none | NM | none |
| 10/07/08 | none | none | NM | none | NM | none |
| 10/16/08 | none | none | NM | none | NM | none |
| 10/27/08 | none | none | NM | none | NM | none |
| 11/07/08 | none | none | NM | none | NM | none |
| 11/26/08 | none | none | NM | none | NM | none |
| 12/11/08 | none | none | NM | none | NM | none |
| 12/31/08 | none | none | NM | none | NM | none |
| 01/09/09 | none | none | NM | none | NM | none |
| 01/15/09 | none | none | NM | none | NM | none |
| 01/22/09 | none | none | NM | none | NM | none |
| 01/30/09 | none | none | NM | none | none | none |
| 02/02/09 | none | none | NM | none | none | none |
| 02/09/09 | none | none | NM | none | NM | none |
| 02/19/09 | none | none | NM | none | NM | none |
| 02/26/09 | none | none | NM | none | NM | none |
| 02/27/09 | none | none | NM | none | NM | none |
| 03/02/09 | none | none | NM | none | NM | none |
| 03/13/09 | none | none | NM | none | NM | none |
| 03/19/09 | none | none | NM | none | none | none |
| 03/23/09 | none | none | NM | none | NM | none |
| 04/01/09 | none | none | NM | none | none | 200 ** |
| 04/13/09 | none | none | NM | none | none | none |
| 04/16/09 | none | none | NM | none | none | none |
| 04/22/09 | none | none | NM | none | none | none |
| 05/01/09 | none | none | NM | none | none | none |
| 05/08/09 | none | none | NM | none | none | none |

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 6 OF 10

| DATE | RW-05 | | RW-06 | | RW-07 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 06/05/09 | none | none | NM | none | none | none |
| 06/08/09 | none | none | NM | none | none | none |
| 06/24/09 | none | none | NM | none | none | none |
| 07/01/09 | none | none | NM | none | none | none |
| 07/07/09 | none | none | NM | none | none | none |
| 07/17/09 | none | none | NM | none | NM | none |
| 07/31/09 | none | none | NM | none | NM | none |
| 08/05/09 | none | none | NM | none | none | none |
| 08/10/09 | none | none | NM | none | none | none |
| 08/19/09 | none | none | NM | none | none | none |
| 09/03/09 | none | none | NM | none | none | none |
| 09/25/09 | none | none | NM | none | none | none |
| 10/02/09 | none | none | NM | none | none | none |
| 10/07/09 | none | none | NM | none | none | none |
| 10/13/09 | none | none | NM | none | none | none |
| 10/21/09 | none | none | NM | none | none | none |
| 10/27/09 | none | none | NM | none | none | none |
| 11/18/09 | none | none | NM | none | none | none |
| 11/25/09 | none | none | NM | none | none | none |
| 12/04/09 | none | none | NM | none | none | none |
| 12/09/09 | none | none | NM | none | none | none |
| 12/14/09 | none | none | NM | none | none | none |
| 12/30/09 | none | none | NM | none | none | none |
| 01/06/10 | none | none | NM | none | none | none |
| 01/11/10 | none | none | NM | none | none | none |
| 01/29/10 | none | none | NM | none | none | none |
| 02/04/10 | none | none | NM | none | none | none |
| 02/11/10 | none | none | NM | none | none | none |
| 02/18/10 | none | none | NM | none | none | none |
| 02/26/10 | none | none | NM | none | none | none |
| 03/05/10 | none | none | NM | none | none | none |
| 03/10/10 | none | none | NM | none | none | none |
| 03/19/10 | none | none | NM | none | none | none |
| 03/25/10 | none | none | NM | none | none | none |

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 7 OF 10

| DATE | RW-08 | | RW-09 | | RW-10 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 04/07/08 | NM | none | NM | none | NM | none |
| 05/29/08 | NM | none | NM | none | NM | none |
| 06/20/08 | NM | none | NM | none | NM | none |
| 07/15/08 | NM | none | NM | none | NM | none |
| 07/25/08 | NM | none | NM | none | NM | none |
| 08/01/08 | NM | none | NM | none | NM | none |
| 08/08/08 | NM | none | NM | none | NM | none |
| 08/14/08 | NM | none | NM | none | NM | none |
| 08/28/08 | NM | none | NM | none | NM | none |
| 09/04/08 | NM | none | NM | none | NM | none |
| 09/08/08 | NM | none | NM | none | NM | none |
| 09/18/08 | NM | none | NM | none | NM | none |
| 09/25/08 | NM | none | NM | none | NM | none |
| 10/02/08 | NM | none | NM | none | NM | none |
| 10/07/08 | NM | none | NM | none | NM | none |
| 10/16/08 | NM | none | NM | none | NM | none |
| 10/27/08 | NM | none | NM | none | NM | none |
| 11/07/08 | NM | none | NM | none | NM | none |
| 11/26/08 | NM | none | NM | none | NM | none |
| 12/11/08 | NM | none | NM | none | NM | none |
| 12/31/08 | NM | none | NM | none | NM | none |
| 01/09/09 | NM | none | NM | none | NM | none |
| 01/15/09 | NM | none | NM | none | NM | none |
| 01/22/09 | NM | none | NM | none | NM | none |
| 01/30/09 | none | none | NM | none | NM | none |
| 02/02/09 | none | none | NM | none | NM | none |
| 02/09/09 | 1.23 | 3000 | NM | none | NM | none |
| 02/19/09 | 0.52 | 1000 | NM | none | NM | none |
| 02/26/09 | 0.15 | 500 | NM | none | NM | none |
| 02/27/09 | none | none | none | none | NM | none |
| 03/02/09 | 0.05 | 1000 | none | 200 ** | NM | none |
| 03/13/09 | 0.2 | 1000 | none | none | NM | none |
| 03/19/09 | none | 500 ** | NM | none | 0.16 | 800 |
| 03/23/09 | none | 500 ** | none | 200 ** | NM | none |
| 04/01/09 | none | 500 ** | none | none | N/A | 500 ** |
| 04/13/09 | none | none | none | none | none | none |
| 04/16/09 | none | none | none | none | none | none |
| 04/22/09 | none | none | none | none | none | none |
| 05/01/09 | none | none | none | none | none | none |

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 8 OF 10

| DATE | RW-08 | | RW-09 | | RW-10 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 05/08/09 | none | none | none | none | none | none |
| 06/05/09 | none | none | none | none | none | none |
| 06/08/09 | none | none | none | none | none | none |
| 06/24/09 | none | none | none | none | none | none |
| 07/01/09 | none | none | none | none | none | none |
| 07/07/09 | none | none | none | none | none | none |
| 07/17/09 | none | none | none | none | NM | none |
| 07/31/09 | none | 100 ** | none | none | NM | none |
| 08/05/09 | none | none | none | none | none | none |
| 08/10/09 | none | none | none | none | none | none |
| 08/19/09 | none | none | none | none | none | none |
| 09/03/09 | none | none | none | none | none | none |
| 09/25/09 | none | none | none | none | none | none |
| 10/02/09 | none | none | none | none | none | none |
| 10/07/09 | none | none | none | none | none | none |
| 10/13/09 | none | none | none | none | none | none |
| 10/21/09 | none | none | none | none | none | none |
| 10/27/09 | none | none | none | none | none | none |
| 11/18/09 | none | none | none | none | none | none |
| 11/25/09 | none | none | none | none | none | none |
| 12/04/09 | none | none | none | none | none | none |
| 12/09/09 | none | none | none | none | none | none |
| 12/14/09 | none | none | none | none | none | none |
| 12/30/09 | none | none | none | none | none | none |
| 01/06/10 | none | none | none | none | none | none |
| 01/11/10 | none | none | none | none | none | none |
| 01/29/10 | none | none | none | none | none | none |
| 02/04/10 | none | none | none | none | none | none |
| 02/11/10 | none | none | none | none | none | none |
| 02/18/10 | none | none | none | none | none | none |
| 02/26/10 | none | none | none | none | none | none |
| 03/05/10 | none | none | none | none | none | none |
| 03/10/10 | none | none | none | none | none | none |
| 03/19/10 | none | none | none | none | none | none |
| 03/25/10 | none | none | none | none | none | none |
| 04/07/08 | NM | none | NM | none | NM | none |
| 05/29/08 | NM | none | NM | none | NM | none |
| 06/20/08 | NM | none | NM | none | NM | none |
| 07/15/08 | NM | none | NM | none | NM | none |
| 07/25/08 | NM | none | NM | none | NM | none |

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 9 OF 10

| DATE | RW-11 | | RW-12 | | RW-13 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 08/01/08 | NM | none | NM | none | NM | none |
| 08/08/08 | NM | none | NM | none | NM | none |
| 08/14/08 | NM | none | NM | none | NM | none |
| 08/28/08 | NM | none | NM | none | NM | none |
| 09/04/08 | NM | none | NM | none | NM | none |
| 09/08/08 | NM | none | NM | none | NM | none |
| 09/18/08 | NM | none | NM | none | NM | none |
| 09/25/08 | NM | none | NM | none | NM | none |
| 10/02/08 | NM | none | NM | none | NM | none |
| 10/07/08 | NM | none | NM | none | NM | none |
| 10/16/08 | NM | none | NM | none | NM | none |
| 10/27/08 | NM | none | NM | none | NM | none |
| 11/07/08 | NM | none | NM | none | NM | none |
| 11/26/08 | NM | none | NM | none | NM | none |
| 12/11/08 | NM | none | NM | none | NM | none |
| 12/31/08 | NM | none | NM | none | NM | none |
| 01/09/09 | NM | none | NM | none | NM | none |
| 01/15/09 | NM | none | NM | none | NM | none |
| 01/22/09 | NM | none | NM | none | NM | none |
| 01/30/09 | NM | none | NM | none | NM | none |
| 02/02/09 | NM | none | NM | none | NM | none |
| 02/09/09 | NM | none | NM | none | NM | none |
| 02/19/09 | NM | none | NM | none | NM | none |
| 02/26/09 | NM | none | NM | none | NM | none |
| 02/27/09 | NM | none | NM | none | none | none |
| 03/02/09 | NM | none | NM | none | none | none |
| 03/13/09 | NM | none | NM | none | 0.2 | 1000 |
| 03/19/09 | NM | none | NM | none | NM | 1000 |
| 03/23/09 | none | 200 ** | NM | none | 0.2 | 500 |
| 04/01/09 | none | none | NM | none | 0.2 | 1000 |
| 04/13/09 | none | none | NM | none | 0.5 | 1000 |
| 04/16/09 | none | none | NM | none | none | none |
| 04/22/09 | none | none | NM | none | none | none |
| 05/01/09 | none | none | NM | none | none | none |
| 05/08/09 | none | none | NM | none | 0.67 | 1000 |
| 06/05/09 | none | none | NM | none | 0.67 | 1000 |
| 06/08/09 | none | 200 ** | NM | none | N/A | 400 |
| 06/24/09 | none | none | NM | none | N/A | none |
| 07/01/09 | none | none | NM | none | N/A | none |
| 07/07/09 | none | none | NM | none | N/A | none |

**TABLE 2
FREE PRODUCT MEASUREMENTS AND RECOVERY**

FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 10 OF 10

| DATE | RW-11 | | RW-12 | | RW-13 | |
|----------|--------------------|-----------------------|--------------------|-----------------------|--------------------|-----------------------|
| | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) | THICKNESS (INCHES) | VOLUME RECOVERED (mL) |
| 07/17/09 | none | none | NM | none | N/A | none |
| 07/31/09 | none | none | NM | none | N/A | 500 |
| 08/05/09 | none | none | NM | none | N/A | none |
| 08/10/09 | none | none | NM | none | N/A | none |
| 08/19/09 | none | none | NM | none | none | none |
| 09/03/09 | none | none | NM | none | N/A | none |
| 09/25/09 | none | none | NM | none | N/A | none |
| 10/02/09 | none | none | NM | none | none | none |
| 10/07/09 | none | none | NM | none | none | none |
| 10/13/09 | none | none | NM | none | none | none |
| 10/21/09 | none | none | NM | none | N/A | none |
| 10/27/09 | none | none | NM | none | N/A | none |
| 11/18/09 | none | none | NM | none | none | none |
| 11/25/09 | none | none | NM | none | none | none |
| 12/04/09 | none | none | NM | none | none | none |
| 12/09/09 | none | none | NM | none | none | none |
| 12/14/09 | none | none | NM | none | none | none |
| 12/30/09 | none | none | NM | none | none | none |
| 01/06/10 | none | none | NM | none | none | none |
| 01/11/10 | none | none | NM | none | none | none |
| 01/29/10 | none | none | NM | none | none | none |
| 02/04/10 | none | none | NM | none | none | none |
| 02/11/10 | none | none | NM | none | none | none |
| 02/18/10 | none | none | NM | none | none | none |
| 02/26/10 | none | none | NM | none | none | none |
| 03/05/10 | none | none | NM | none | none | none |
| 03/10/10 | none | none | NM | none | none | none |
| 03/19/10 | none | none | NM | none | none | none |
| 03/25/10 | none | none | NM | none | none | none |

Notes:

mL = milliliter

NM = not measured

* Includes 1500 mL in sorbent stock.

** No measurable standing free product, sorbent sock removed, volume of free product estimated by saturation of sock

TABLE 3
SUMMARY OF LABORATORY GROUNDWATER ANALYTICAL DETECTIONS
FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 1 OF 2

| Compound | GCTL | MW-01S | | | | MW-02S | | | MW-03S | |
|---|------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|-----------|
| | | 1/18/2006 | 1/20/2006 | 7/25/2008 | 2/25/2010 | 1/19/2006 | 7/25/2008 | 2/26/2010 | 1/19/2006 | 2/26/2010 |
| VOCs (USEPA Method 8260B) (µg/L) | | | | | | | | | | |
| Benzene | 1 | 0.20 U | 0.20 U | 1.0 U | 0.21 U | 0.2 U | 1.0 U | 0.21 U | 42.8 | 0.56 J |
| Ethylbenzene | 30 | 0.30 U | 0.30 U | 1.0 U | 0.20 U | 0.31 J | 1.0 U | 0.20 U | 37.8 | 8.0 |
| Toluene | 40 | 0.20 U | 0.20 U | 1.0 U | 0.20 U | 0.2 U | 1.0 U | 0.20 U | 1.5 | 0.22 J |
| Xylenes, Total | 20 | NA | 1.0 U | 1.0 U | 0.54 U | NA | 1.0 U | 0.54 U | NA | 11.2 |
| PAHs (USEPA Method 8270) (µg/L) | | | | | | | | | | |
| 1-Methylnaphthalene | 28 | 0.02 U | 0.02 U | 0.046 U | 0.24 U | 0.02 U | 0.068 | 0.24 U | 75.5 | 26 |
| 2-Methylnaphthalene | 28 | 0.02 U | 0.02 U | 0.046 U | 0.24 U | 0.02 U | 0.046 | 0.24 U | 122 | 23.6 |
| Acenaphthene | 20 | 0.14 | 0.14 | 0.041 J | 0.48 U | 0.02 U | 0.046 U | 0.48 U | 2.4 | 1.5 |
| Anthracene | 2100 | 0.02 U | 0.02 U | 0.046 U | 0.48 U | 0.02 U | 0.028 J | 0.48 U | 0.08 J | 0.48 U |
| Fluoranthene | 280 | 0.01 U | 0.01 U | 0.046 U | 0.24 U | 0.01 U | 0.046 U | 0.24 U | 0.05 J | 0.24 U |
| Fluorene | 280 | 0.02 U | 0.02 U | 0.046 U | 0.48 U | 0.02 U | 0.046 U | 0.48 U | 5.32 | 3.7 |
| Naphthalene | 14 | 0.02 U | 0.02 U | 0.046 U | 0.24 U | 0.05 U | 0.046 U | 0.24 U | 102 | 23.8 |
| Phenanthrene | 210 | 0.02 U | 0.02 U | 0.046 U | 0.24 U | 0.02 U | 0.053 | 0.24 U | 5.06 | 2.0 |
| Pyrene | 210 | 0.02 U | 0.02 U | 0.046 U | 0.24 U | 0.02 U | 0.041 J | 0.24 U | 0.56 | 0.89 J |
| FL-PRO (mg/L) | | | | | | | | | | |
| TRPH | 5 | 0.536 | 0.536 | 0.85 | 0.509 | 0.094 U | 0.46 | 0.16 U | 3.55 | 3.44 |

TABLE 3
SUMMARY OF LABORATORY GROUNDWATER ANALYTICAL DETECTIONS
FIRST QUARTER FREE PRODUCT/GROUNDWATER MONITORING REPORT
SITE 351-2 - CALENDAR YEAR 2010
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 2 OF 2

| Compound | GCTL | MW-04 D | | | MW-05S | | RINSATE 01 | |
|---|------|-----------|--------------|-----------|-------------|-------------|------------|-----------|
| | | 1/20/2006 | 7/25/2008 | 2/26/2010 | 2/9/2006 | 2/26/2010 | N/A | 2/26/2010 |
| VOCs (USEPA Method 8260B) (µg/L) | | | | | | | | |
| Benzene | 1 | 0.2 U | 1.0 U | 0.21 U | 87.5 | 0.92 J | N/A | 0.21 U |
| Ethylbenzene | 30 | 0.62 J | 1.0 U | 0.20 U | 14.2 | 0.6 J | N/A | 0.20 U |
| Toluene | 40 | 0.2 U | 1.0 U | 0.20 U | 0.20 U | 0.20 U | N/A | 0.20 U |
| Xylenes, Total | 20 | NA | 1.0 U | 0.54 U | 42.1 | 1.0 J | N/A | 0.54 U |
| PAHs (USEPA Method 8270) (µg/L) | | | | | | | | |
| 1-Methylnaphthalene | 28 | 10.1 | 0.046 U | 0.24 U | 55.6 | 56.9 | N/A | 0.24 U |
| 2-Methylnaphthalene | 28 | 13.5 | 0.046 U | 0.24 U | 87.6 | 75.0 | N/A | .024 U |
| Acenaphthene | 20 | 0.75 | 0.046 U | 0.48 U | 2.43 | 2.0 | N/A | 0.48 U |
| Anthracene | 2100 | 0.02 U | 0.032 J | 0.48 U | 0.02 U | 0.48 U | N/A | 0.48 U |
| Fluoranthene | 280 | 0.01 U | 0.046 U | 0.24 U | 0.05 I | 0.24 U | N/A | 0.24 U |
| Fluorene | 280 | 2.05 | 0.046 U | 0.48 U | 4.89 | 4.8 | N/A | 0.48 U |
| Naphthalene | 14 | 1.85 | 0.046 U | 0.24 U | 151 | 47.2 | N/A | 0.24 U |
| Phenanthrene | 210 | 2.68 | 0.061 | 0.24 U | 3.58 | 4.6 | N/A | 0.24 U |
| Pyrene | 210 | 0.45 | 0.046 U | 0.24 U | 0.08 I | 0.88 J | N/A | 0.24 U |
| FL-PRO (mg/L) | | | | | | | | |
| TRPH | 5 | 0.604 | 0.46 U | 0.16 U | 3.94 | 3.87 | N/A | 0.16 U |

Notes:

Bold denotes exceedence in FDEP GCTLs

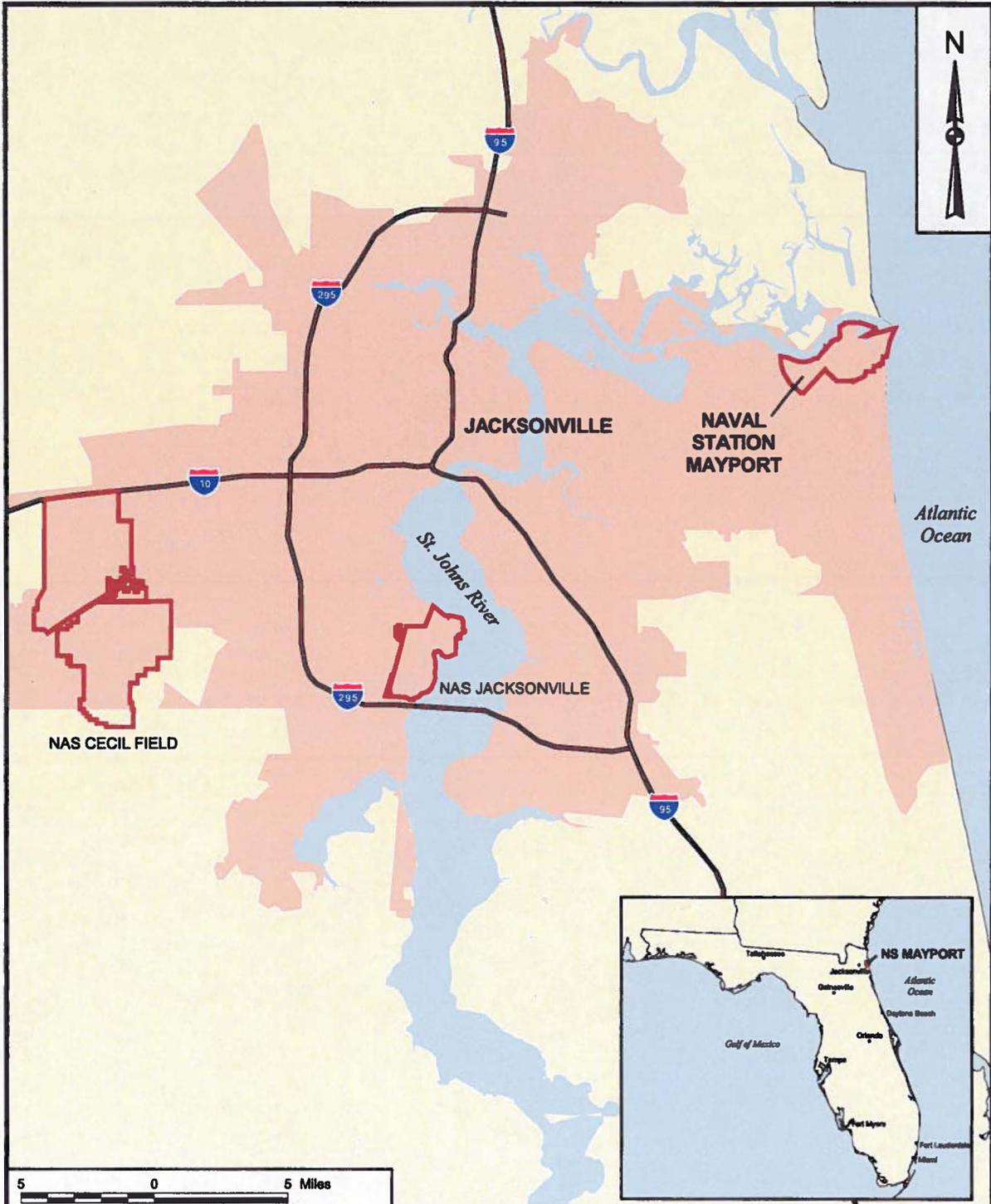
U = Analyte included in analysis, but not detected.

I = The reported value is between the laboratory method detection limit and the practical quantitation limit; therefore, result is an estimated concentration.

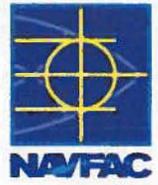
NS = Not Sampled

V = Indicates that the analyte was detected in both the sample and the associated method blank.

FIGURES

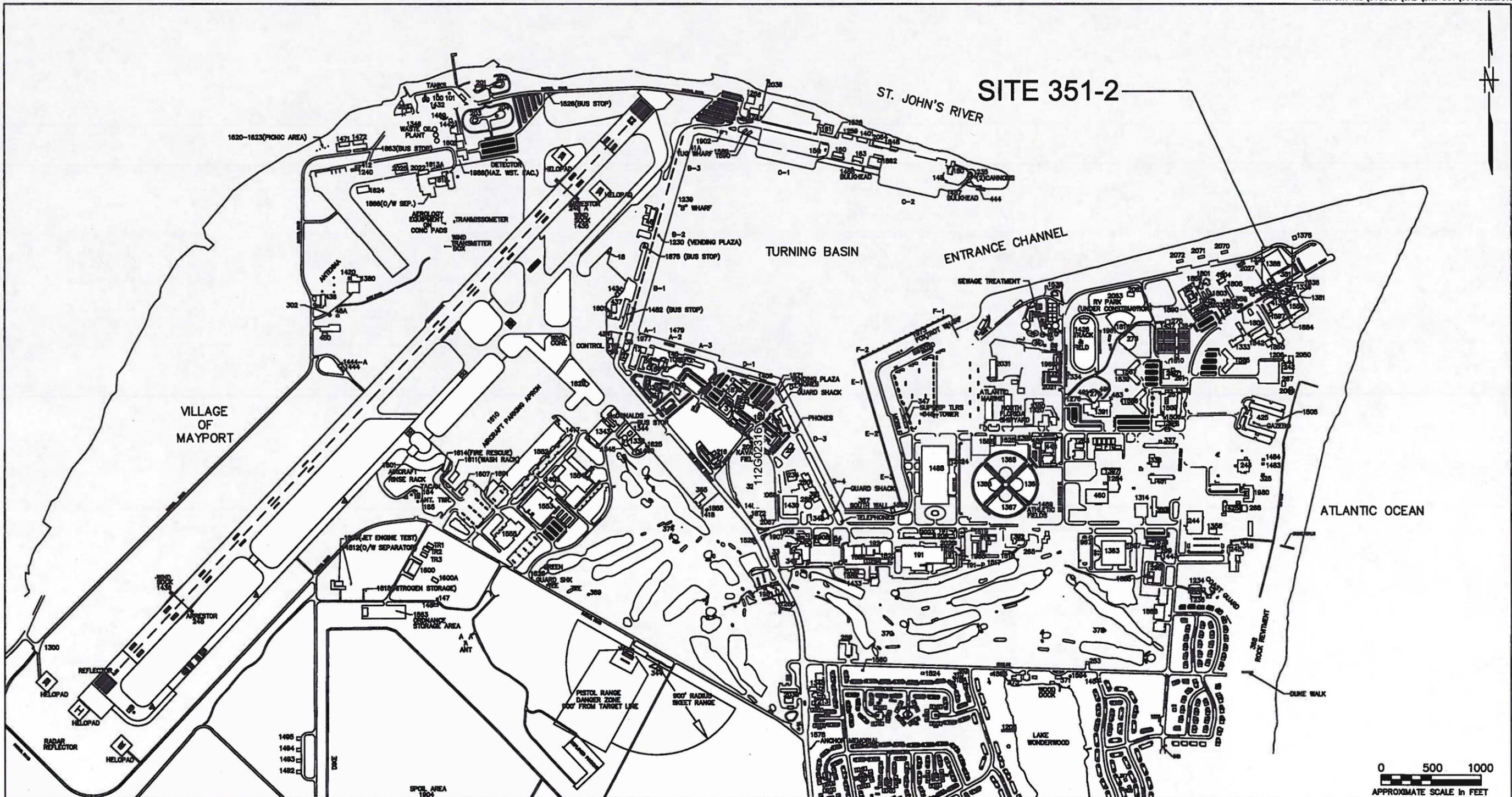


| | |
|--------------------|---------|
| DRAWN BY | DATE |
| K. PEILA | 4/17/06 |
| CHECKED BY | DATE |
| D. SIEFKEN | 5/11/06 |
| COST/SCHEDULE-AREA | |
| SCALE AS NOTED | |



**SITE VICINITY MAP
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA**

| | |
|------------------------------|----------|
| CONTRACT NUMBER 112G02316 | |
| APPROVED BY | DATE |
| APPROVED BY | DATE |
| DRAWING NO. FIGURE 1 | REV 0 |



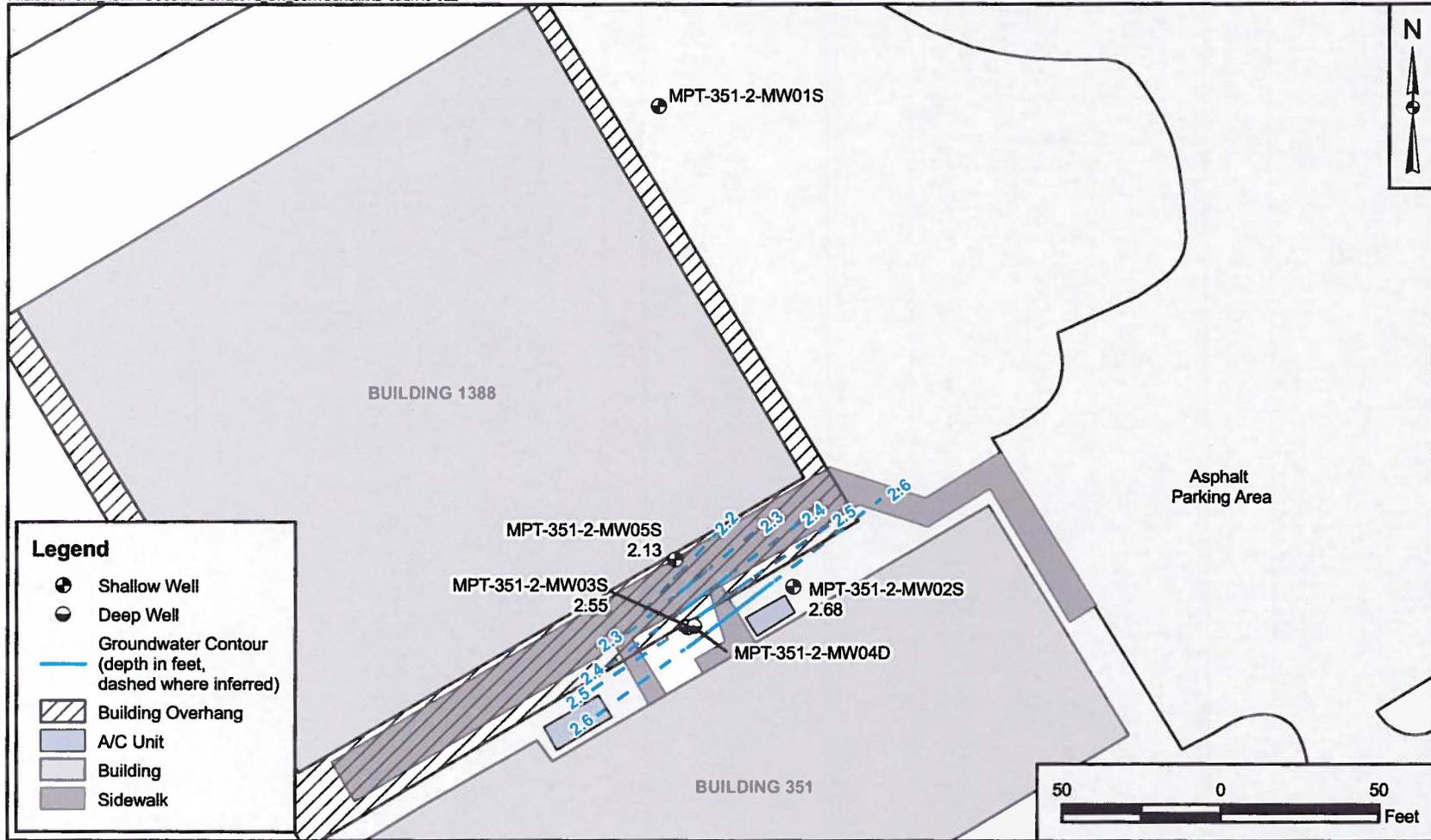
| NO. | DATE | REVISIONS | BY | CHKD | APPD | REFERENCES |
|-----|------|-----------|----|------|------|------------|
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

DRAWN BY JCF DATE 12/20/07
 CHECKED BY DATE
 COST/SCHED-AREA
 SCALE AS NOTED

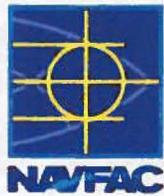


SITE LOCATION MAP
 SITE 351-2
 1ST QUARTERLY MONITORING REPORT
 NAVAL STATION MAYPORT
 MAYPORT, FLORIDA

| | |
|--------------|-----------|
| CONTRACT NO. | 112G02316 |
| APPROVED BY | DATE |
| APPROVED BY | DATE |
| DRAWING NO. | FIGURE 2 |
| REV. | 0 |

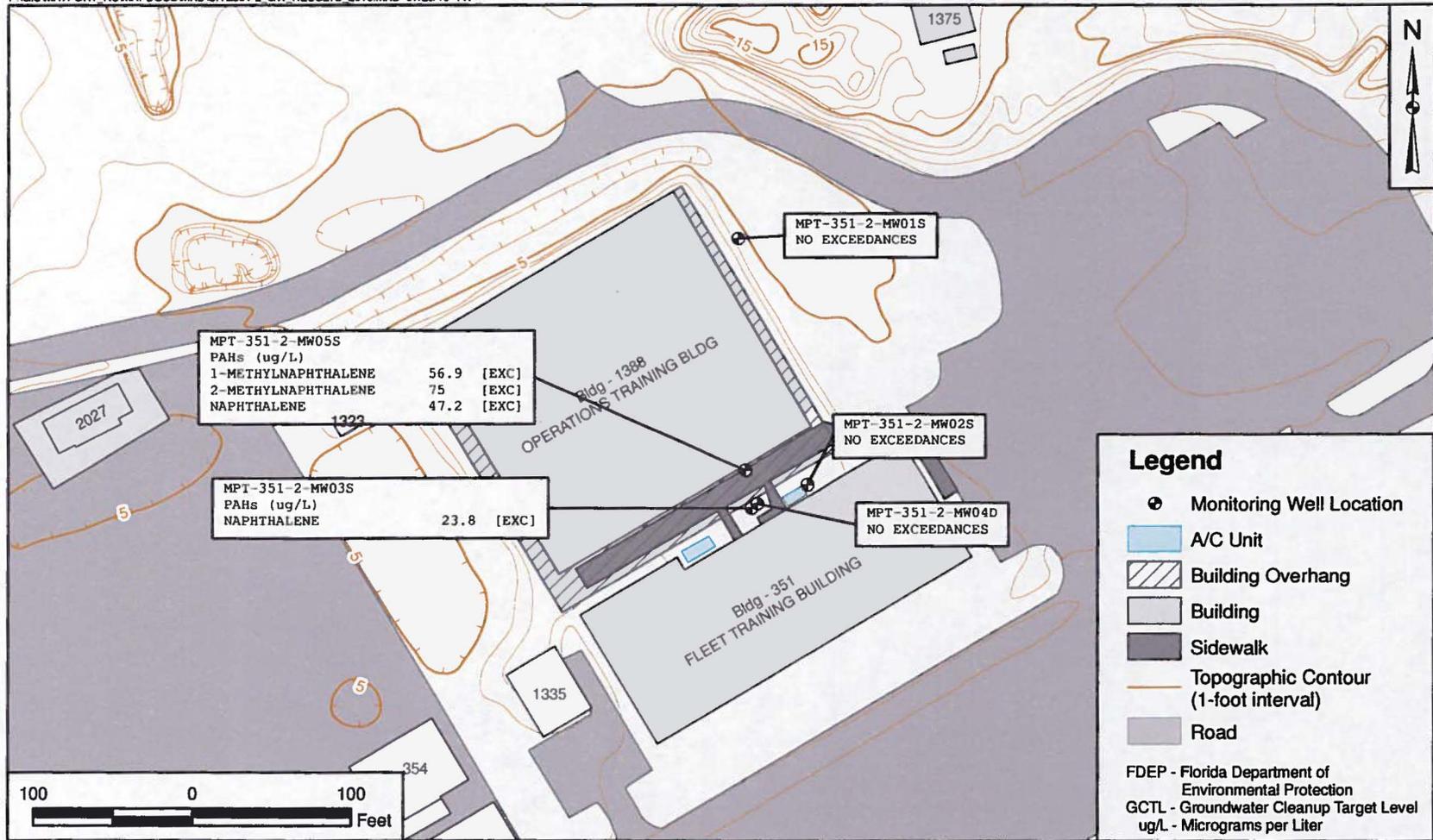


| | |
|--------------------|----------|
| DRAWN BY | DATE |
| J. ENGLISH | 05/27/10 |
| CHECKED BY | DATE |
| Z. SCRIBNER | 05/27/10 |
| COST/SCHEDULE AREA | |
| SCALE | |
| AS NOTED | |



GROUNDWATER CONTOURS
 SITE 351-2
 NAVAL STATION MAYPORT
 JACKSONVILLE, FLORIDA

| | |
|-----------------|------|
| CONTRACT NUMBER | |
| 112G02316 | |
| APPROVED BY | DATE |
| APPROVED BY | DATE |
| FIGURE NO. | REV |
| FIGURE 3 | 0 |



| | | |
|---------------------|------|-------|
| MPT-351-2-MW05S | | |
| PAHs (ug/L) | | |
| 1-METHYLNAPHTHALENE | 56.9 | [EXC] |
| 2-METHYLNAPHTHALENE | 75 | [EXC] |
| NAPHTHALENE | 47.2 | [EXC] |

| | |
|-----------------|------------|
| MPT-351-2-MW03S | |
| PAHs (ug/L) | |
| NAPHTHALENE | 23.8 [EXC] |

MPT-351-2-MW01S
NO EXCEEDANCES

MPT-351-2-MW02S
NO EXCEEDANCES

MPT-351-2-MW04D
NO EXCEEDANCES

Legend

- ⊕ Monitoring Well Location
- A/C Unit
- ▨ Building Overhang
- ▭ Building
- ▬ Sidewalk
- Topographic Contour (1-foot interval)
- ▭ Road

FDEP - Florida Department of Environmental Protection
GCTL - Groundwater Cleanup Target Level
ug/L - Micrograms per Liter



| | |
|------------|----------|
| DRAWN BY | DATE |
| T. WHEATON | 07/29/10 |
| CHECKED BY | DATE |
| C. JOHNSON | 07/29/10 |
| REVISED BY | DATE |



SCALE AS NOTED

SUMMARY OF FDEP GCTL GROUNDWATER EXCEEDANCES
SITE 351-2
1st QUARTER MONITORING REPORT
NAVAL STATION MAYPORT
MAYPORT, FLORIDA

| | |
|----------------------------|----------|
| CONTRACT NUMBER CTO 160 | |
| APPROVED BY | DATE |
| APPROVED BY | DATE |
| FIGURE NO. FIGURE 4 | REV 0 |

ATTACHMENT A
SPILL/CLEANUP REPORT FORM

Johnson Controls

HILL

Date: December 23, 2003
File No. 2301-0136

Mr. Tommy Surrency
Facilities Support Contract Manager
Department of the Navy
Naval Facilities Engineering Command

Subject: Contract No. N62467-00-D-2451

Reference: Annex 4
Para 4.2.4.2a
Title Post Spill Requirements

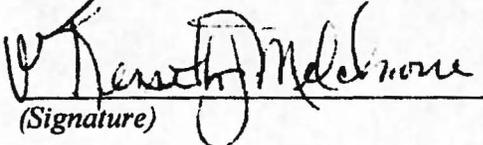
Contract deliverable is forwarded pursuant to cited contract reference. Enclosed is our Spill/Clean-Up Report Form, Table 4-10, Annex 4 and Site Specific Safety and Health Plan from a December 16, 2003, 650 gallon diesel fuel spill at bldg 351/1388, NS Mayport. Our Mr. Bob Lacy provided an advance copy of the Table 4-10 report to Mr. Pat McGugan and Mr. Dave Kiebler on December 17, 2003 by email. The clean-up of the spill was accomplished on work order 275011.

Should you require any further information in this matter, please contact me at your convenience.

Name: Kenneth J. Melchiorre P.E.

Title: Site Manager, NAS Jacksonville

Telephone: (904) 778-3868 ext. 12


(Signature)

Cc:

Mr. David Kelly
NAS Jacksonville
P.O. Box 30, Bldg. 103
Jacksonville, FL 32212-0139

Mr. Pat McGugan
NS Mayport
P.O. Box 2807, Bldg. 1966
Mayport, FL 32228-0157

Mr. Frank Janosick
Ms. Kathy Kramer
JC-H Contracts Manager
Mr. Robert Stewart
JC-H Utilities Supervisor (Bob Lacy, w/ enclosures)

Johnson Controls

Environment

HILL**Spill / Clean Up Report Form**

| | | |
|---|---|---|
| Spill Date: 12/16/03 | Time of Spill: 1150 | Time JC-H SCRCD Received call: 1150 |
| Time OSOT Leader w/OSOT Member Arrived On Site (enter time here): | | 1205 |
| Location | | |
| <input type="checkbox"/> NAS Jacksonville | <input checked="" type="checkbox"/> NAVSTA Mayport | <input type="checkbox"/> Other: |
| Building Number: 351/1388 | Area / Bldg. : | FTC |
| Substance: | Fuel Oil | |
| Amount Spilled: | Approx. 650 gallons | Amount Recovered: 100 gallons |
| Source / Cause of Spill (explain here): Fuel supply line from AST N1388 to Boiler in Bldg. 351 broke off in fuel piping sump located north side of Bldg. 351. Piping sump overflowed and spilled fuel in surrounding area. Fuel also backed up into secondary piping containment and into 2 nd piping sump. | | |
| Rate of Spilling: | Unknown | |
| Anticipated Movement of Spill: | Into ground | |
| Injuries: Be Specific: | None | |
| Approximate Temperature: | 65 deg. | Weather Condition: Sunny |
| Immediate Dangers to Personnel or Environment: Fuel oil entering St. Johns and Ocean. | | |
| Spill Contact Surface Water? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Spill Enter Storm Drain? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Spill Contained on Impervious Surface? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| Type of Surface: | <input type="checkbox"/> Concrete | <input type="checkbox"/> Asphalt |
| | <input type="checkbox"/> Secondary Containment | <input checked="" type="checkbox"/> Soil Other: |
| Spill Extend Beyond Station Boundaries? | <input type="checkbox"/> Yes | <input checked="" type="checkbox"/> No |
| COTR Contacted? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| | | Time/Date: 12/16/03 @ 1226 |
| Station Fire Department Contacted? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| | | Time/Date: 12/16/03 @ 1153 |
| Station Environmental Contacted? | <input checked="" type="checkbox"/> Yes | <input type="checkbox"/> No |
| | | Time/Date: 12/16/03 @ 1230 |
| Additional Comments/Information: Fire Department had responded and secured area when JCH arrived. | | |
| Person Completing Report | | |
| Name: Julie Kaiser | Title: Sr. Environ. Coordinator | Phone: 247-2225 |
| Signature: | Date: 12/17/03 | |
| Additional Post Report Information | | |
| Environmental Damages: | | |
| Amount of Disposal Material: 7-55gl drums | Hazardous Waste: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No | |
| Spill Residue Disposal Source: PWC Part B | Location: 1966 | |
| Resources | | |
| Number of OSOT Members: 7 | Total clean-up Time: 30-manhours | |
| Equipment Used: | | |
| Additional Information/Remarks: Cleanup of spill is not complete. | | |

Johnson Controls
FILE

Annex 4-Environmental
Ref. Process: 12-02.51

**OIL/HAZARDOUS SUBSTANCE SPILL RELEASE - LEVEL D PROTECTION
SITE SPECIFIC HEALTH AND SAFETY PLAN**

A. SITE DESCRIPTION:

1. Date: 12/14/03 2. Location: FTC/351/1388
3. Material Spilled: Fuel Oil (No. 2) 4. Size of Spill: 15' x 5' ^{est 650 gal}

5. Hazard Class (a thru e):

(a) Fire (b) Reactive (c) Pressure Release (d) Acute Health
(e) Chronic Health

6. Quantity Estimated: 650 gal 7. Area Affected: 15' x 5' x est 2-3'

8. Cause of Release (Be Specific): Fuel Supply line valve shut + initially believed to have caused spill
Piping Sump @ NE side of Bldg 351 opened + fuel supply line found broken. overflow drained into 2nd piping sump (green med. sump). Assumed fuel in secondary line

joining sump

9. Weather Conditions: Sunny Temperature (F): 65 - 70 deg F

Wind Direction: N/NE

10. Topography/Terrain: Soil

B. ON-SCENE OPERATIONS TEAM (OSOT):

| Title | Name | Time on Scene | Function / Assignment |
|------------------|-----------------|---------------|-----------------------|
| Safety Officer | Jim Bryant | 1330 | Safety Officer |
| OSOT Leader | Julia Karsen | 1200 | |
| OSOT Team Member | Chris Atchinson | 1330 | |
| OSOT Team Member | Mike Thirlow | 1330 | |
| OSOT Team Member | Scott Brown | 1500 | |
| OSOT Team Member | | | |
| OSOT Team Member | | | |

Access Ctl.

Johnson Controls
FILE

Annex 4-Environmental
Ref. Process: 12-02.51

**OIL/HAZARDOUS SUBSTANCE SPILL RELEASE - LEVEL D PROTECTION
SITE SPECIFIC HEALTH AND SAFETY PLAN**

C. INITIAL ENTRANCE TO AFFECTED SITE (Specific Health and Safety Plan):

Initial Entrance Objective: The objective of the initial entrance to the contaminated area is to describe actions, and tasks to be accomplished (i.e. identify contaminate, clean-up area, monitoring conditions, etc.):

Deploy Boom @ break wall. Recover fuel in
tidal pool. Remove fuel oil from 2 piping
sumps + 3rd non-spill related storm drain

D. ON SITE CONTROL:

Jim Bryant

OSOT Team Member

has been designated to coordinate access control and security on site. A safe perimeter has been established at (distance or description of the controlled area):

2'

(No Unauthorized personnel should be in this area)

by FDP

1. Exclusion Zone:

a. Time the Zone is Secured off: 1200 a.m. p.m.

b. Entrance Control Point: Yellow Tape

c. Location and Marker Type: Yellow Tape

2. Contamination Reduction Zone (if necessary):

a. Time the Zone is Secured off: nil a.m. p.m.

b. Entrance Control Point: _____

c. Location and Marker Type: _____

3. Support Zone:

a. FD/JCH Command Post Location (if established): Bldg 12

b. Time JCH Command Post Established: 1200 a.m. p.m.

4. Substances Involved:

a. Substance Known? Yes No

b. MSDS: Yes No

c. Substance Description: No. 2 Fuel Oil

Johnson Controls
HILL

Annex 4-Environmental
Ref. Process: 12-02.51

**OIL/HAZARDOUS SUBSTANCE SPILL RELEASE - LEVEL D PROTECTION
SITE SPECIFIC HEALTH AND SAFETY PLAN**

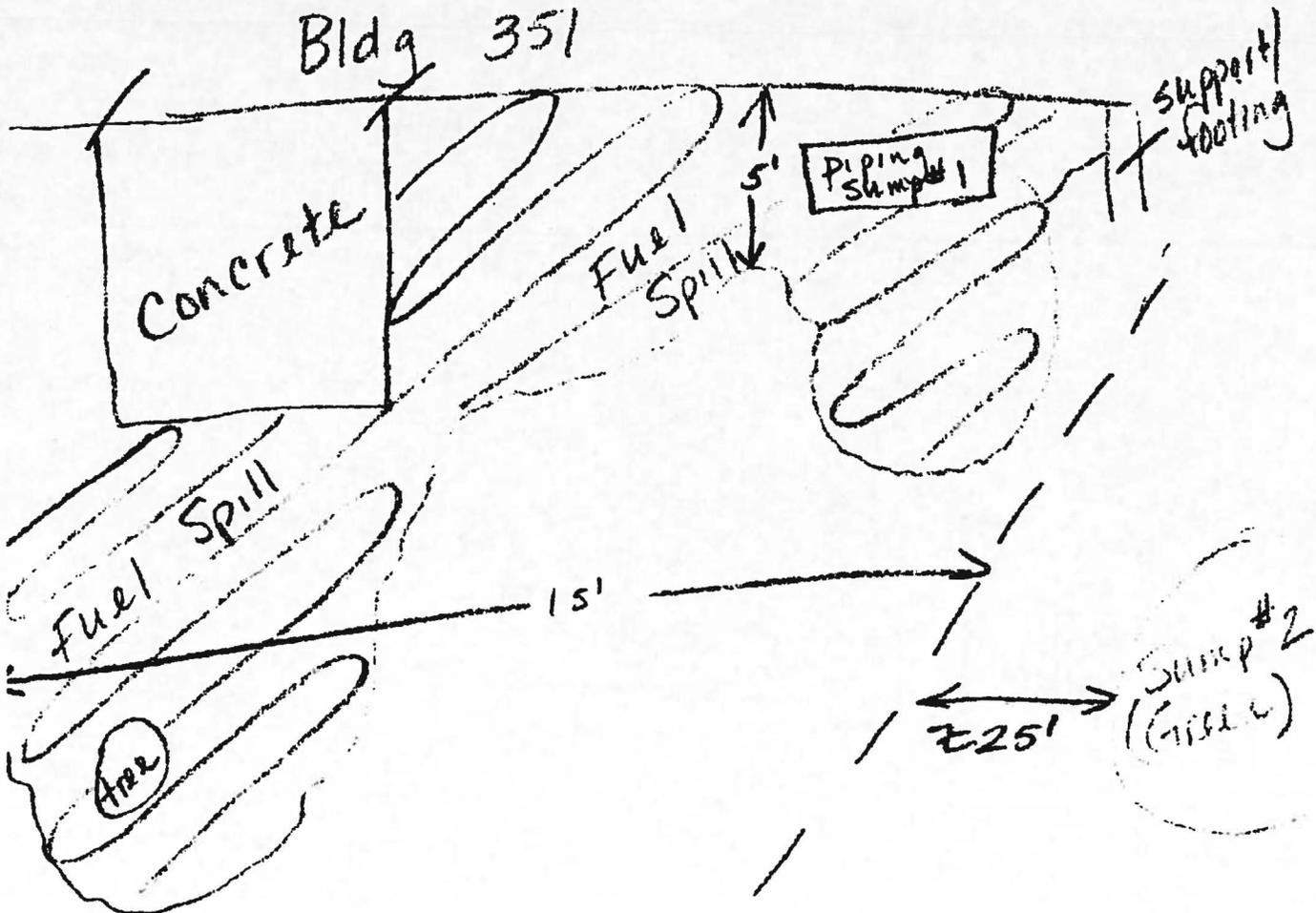
E. HAZARDS:

- a. Flammable Yes No
- b. Explosive Yes No
- c. Water Reactive Yes No
- d. Corrosive Yes No
- e. Acid Yes No
- f. Base Yes No
- g. Toxic Yes No
- h. Inhalation Yes No
- i. Skin Yes No

Flash Point: 130° F

pH: _____
pH: _____
pH: _____

F. SITE PLAN (Sketch of Area):

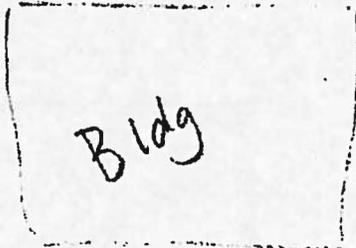


Johnson Controls
HILL

Annex 4-Environmental
Ref. Process: 12-02.51

**OIL/HAZARDOUS SUBSTANCE SPILL RELEASE - LEVEL D PROTECTION
SITE SPECIFIC HEALTH AND SAFETY PLAN**

G. DECON SITE PLAN (Sketch of Area):



Decon Officer: NIA

Decon Equipment: NIA

Description of Decon: Remove PPE + Place into 55-gal drum

H. PERSONAL PROTECTION EQUIPMENT (PPE)- (LEVEL D FOR THIS FORM):

a. Exclusion Zone (Spill Area): AT A MINIMUM, PPE FOR LEVEL D IS: BOOTS, GLOVES, and TYVEK SUIT. Additional Level D PPE if needed: Hard Hat/Face Protection

b. Contamination Zone (DECON AREA): NIA

c. Reduction Zone: NIA

I. INSTALLATION RESTORATION (IR) SITE:

1. Is the Site an Installation Restoration Site? Yes No

2. If answer is YES, what is the known IR site contaminant? IR in Area

3. MSDS: Yes No

IR in Area
not in specific
spill location

Johnson Controls
FILE

Annex 4-Environmental
Ref. Process: 12-02.51

**OIL/HAZARDOUS SUBSTANCE SPILL RELEASE - LEVEL D PROTECTION
SITE SPECIFIC HEALTH AND SAFETY PLAN**

4. IR SITE HAZARDS:

- | | | | |
|-------------------|------------------------------|-----------------------------|----------------------|
| a. Flammable | Yes <input type="checkbox"/> | No <input type="checkbox"/> | Flash Point: _____ F |
| b. Explosive | Yes <input type="checkbox"/> | No <input type="checkbox"/> | |
| c. Water Reactive | Yes <input type="checkbox"/> | No <input type="checkbox"/> | |
| d. Corrosive | Yes <input type="checkbox"/> | No <input type="checkbox"/> | pH: _____ |
| e. Acid | Yes <input type="checkbox"/> | No <input type="checkbox"/> | pH: _____ |
| f. Base | Yes <input type="checkbox"/> | No <input type="checkbox"/> | pH: _____ |
| g. Toxic | Yes <input type="checkbox"/> | No <input type="checkbox"/> | |
| h. Inhalation | Yes <input type="checkbox"/> | No <input type="checkbox"/> | |
| i. Skin | Yes <input type="checkbox"/> | No <input type="checkbox"/> | |

J. COMMUNICATION:

1. Contact Information

| Name | Work Phone | Cell/Beeper Number | Home Phone |
|---|---------------------|--------------------|------------|
| Rick Hicks, Safety Manager | 542-3962 | 318-1799 | 221-8423 |
| Ken Melchiorre, Environmental Manager | 778-3868 | 318-2188 | 886-9964 |
| Wade Musgrave, Environmental Coordinator | 778-3868 | 707-4416 | 880-4646 |
| Julie Kaiser, Sr. Environmental Coordinator | 270-6761 | 707-4415 | 306-0547 |
| Bob Lacy, Environmental Training Officer | 778-3868 | 813-1989 | 246-7100 |
| Fire Department/Ambulance (Jacksonville) | 911 or 542-3333 | | |
| Fire Department/Ambulance (Mayport) | 911 or 270-5333 | | |
| PWC CDO | | 509-5125 | |
| David Kelly, COTR (NAS Jacksonville) | 542-4558 x 520 | | |
| Pat McGugan, COTR (NAVSTA Mayport) | 270-5189 | | |
| "Emergency Treatment Facility" | | | |
| NAS Jacksonville: Naval Hospital | 911 if an emergency | | |
| NAVSTA Mayport: Medical Clinic | 911 if an emergency | | |

Johnson Controls
HILL

Annex 4-Environmental
Ref. Process: 12-02.51

**OIL/HAZARDOUS SUBSTANCE SPILL RELEASE - LEVEL D PROTECTION
SITE SPECIFIC HEALTH AND SAFETY PLAN**

- K. SAFETY BRIEF HELD?** Yes No *Reviewed Fuel Oil Hazards w/C. Atkinson*
- a. Confined Space? Yes No *(If yes, follow JC-H confined space entry procedures)*
 - b. Heat stress can be a factor when temperatures are > 70° F and humidity is > 50%.
 - c. Is a dig locale required? Yes No *(trenches > 4 feet must have slope sides or shoring installed) Did not dig any soil*
 - d. Does the clean up site have adequate oxygen? Yes No *(If not, level B or A PPE is required) Use JC-H form 3010-600 if levels C, B, or A are required*

Oxygen Level Detection Equipment Calibration Information:

Equip. _____ MFR: _____ Model No.: _____

Date of Calibration: _____ Name of Calibrator: _____

- e. Where is the closest eye wash station? 351
- f. What communication means is available? Cell Phone Radio Land Line
- g. Discuss the possible use of respirators. NIA
- h. Ensure newly arriving JC-H OSOT members are briefed on the spill site clean up scenario.
- i. If in doubt, call the JC-H Environmental Manager for assistance.

L. DISPOSAL METHOD:

- a. HW: Yes No *flash @ 130° F per MSDS*
- b. Size of Disposal Containers: Gallons: 55 Other: _____
- c. Number of Containers: 6 liquid, 1 solid
- d. Container Pick-Up Notification (NASIAX Only) Time/Date: 12/18 POC: KAUSEN

Site and/or Area Clean-up Completed at (Specify Time of Day): 0715 a.m. p.m.

OSOT Leader: [Signature] Date: 12/17/03
(Signature required)

ATTACHMENT B
FIELD DATA SHEETS

U.S. Naval Station Mayport Semiannual GW monitoring

26 Feb 10

Personnel: Jeff Krone

Truck: 2006 F350

PPE: Level D

Weather: Sunny 40°

Objective: Semi annual GW monitoring Site 351-2

0815 Departed office

0945 On site, uncapped wells, set up purge pumps

1030 measured ground water levels, commenced calibration

1110 commenced sampling event See table below for details

| Well ID | Sample ID | Start | Stop | Sample Time | Analysis |
|---------|----------------------------|-------|------|-------------|----------|
| MW-003 | MPT-351-2-MW003-022610 | 1040 | 1126 | 1133 | 1,2,3 |
| MW-033 | MPT-351-2-MW033-022610 | 1045 | 1221 | 1229 | 1,2,3 |
| MW-040 | MPT-351-2-MW040-022610 | 1050 | 1256 | 1303 | 1,2,3 |
| MW-053 | MPT-351-2-MW053-022610 * | 1205 | 1341 | 1348 | 1,2,3 |
| QC | MPT-351-2-Rinsate#1-022610 | | | 1530 | 1,2,3 |

* collected ms/msd All samples cooled to 4°c

Analysis Key 1=VOCs 2=PAHs 3=TRPH

1615 completed sampling, packed up and departed site.

1640 Transferred IDW to drum AOC F-2

1700 Relinquished samples to Acuvast Courier, departed NAUSTA for office

1750 Arrived at office

K



| | | | | |
|---|---|--|-------------------------------------|---|
| PROJECT NO: 112600316 | FACILITY: <i>NAVSTA Mayport 351-2</i> | PROJECT MANAGER <i>Dave Siefert</i> | PHONE NUMBER <i>904 636 6125</i> | LABORATORY NAME AND CONTACT: <i>Accutest / Heather Wandrey</i> |
| SAMPLERS (SIGNATURE) <i>[Signature]</i> | | FIELD OPERATIONS LEADER <i>Jeff Krone</i> | PHONE NUMBER <i>904 699-7473</i> | ADDRESS <i>4405 Vineland Rd.</i> |
| CARRIER/WAYBILL NUMBER <i>Accutest Courier</i> | | | CITY, STATE <i>Orlando, FL</i> | |

STANDARD TAT
RUSH TAT
 24 hr. 48 hr. 72 hr. 7 day 14 day

| DATE YEAR | TIME | SAMPLE ID | LOCATION ID | TOP DEPTH (FT) | BOTTOM DEPTH (FT) | MATRIX (GW, SO, SW, SD, QC, ETC.) | COLLECTION METHOD GRAB (G) COMP (C) | No. OF CONTAINERS | TYPE OF ANALYSIS | | | COMMENTS |
|--------------|------|-----------------------------|-------------|----------------|-------------------|-----------------------------------|---|-------------------|------------------|-------------|-------------|-------------|
| | | | | | | | | | VOCs (4260B) | PAHs (8210) | TRPH FL-PRO | |
| 9/25 | 1530 | MPT-351-2-MW013-022610 | | | | GW | G | 7 | X | X | X | Cool to 4°C |
| 9/26 | 1133 | MPT-351-2-MW023-022610 | | | | GW | G | 7 | X | X | X | |
| 9/26 | 1229 | MPT-351-2-MW035-022610 | | | | GW | G | 7 | X | X | X | |
| 9/26 | 1303 | MPT-351-2-MW040-022610 | | | | GW | G | 7 | X | X | X | |
| 9/26 | 1348 | MPT-351-2-MW055-022610 | | | | GW | G | 21 | X | X | X | |
| 9/26 | 1530 | MPT-351-2-Rinsate 01-022610 | | | | QC | | 7 | X | X | X | |

| | | | | | |
|--|------------------------|---------------------|--------------------------------------|------------------------|---------------------|
| 1. RELINQUISHED BY <i>[Signature]</i> | DATE <i>9/26/10</i> | TIME <i>1658</i> | 1. RECEIVED BY <i>[Signature]</i> | DATE <i>9-26-10</i> | TIME <i>1657</i> |
| 2. RELINQUISHED BY | DATE | TIME | 2. RECEIVED BY | DATE | TIME |
| 3. RELINQUISHED BY | DATE | TIME | 3. RECEIVED BY | DATE | TIME |

COMMENTS

Tetra Tech NUS / FDEP Groundwater Sampling Sheet

| | | |
|---|--|----------------------------|
| SITE NAME: Building 351-2 WELL NO: 351-2-MW02S | SITE LOCATION: NAVSTA Mayport SAMPLE ID: MPT-351-2-MW02S-022610 | DATE: 8 / 26 / 2010 |
|---|--|----------------------------|

PURGING DATA

| WELL DIAMETER (in): 2 | TUBING DIAMETER (Inches): 3/16 | TOTAL WELL DEPTH (ft.): 13.5 | STATIC DEPTH TO WATER (ft): 5.05 | PURGE PUMP TYPE OR BAILER: Peristaltic Pump | | | | | | | |
|---|---|-------------------------------------|---|--|---------------------|--------------|---------------|-------------------------|------------------|-------------|--------------|
| WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) 5.1 Liters $13.5 - 5.05 = 8.45 \times .6 = 1.35 \times 3.785 = 5.11$ | | | | | | | | | | | |
| EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) | | | | | | | | | | | |
| INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 6 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 6 | PURGE INITIATED AT: 1040 | PURGE ENDED AT: 1126 | TOTAL VOLUME PURGED (Liters): 9.2 | | | | | | | |
| TIME | VOLUME PURGED (Liters) | CUMUL. VOLUME PURGED (Liters) | PURGE RATE (mlpm) | DEPTH TO WATER (ft) | pH (standard units) | TEMP. (°C) | COND. (µS/cm) | DISSOLVED OXYGEN (mg/L) | TURBIDITY (NTUs) | ORP (mV) | COLOR/ODOR |
| 1040 | — | — | 200 | — | — | — | — | — | — | — | — |
| 1120 | 8.0 | 8.0 | 200 | 5.08 | 7.36 | 17.46 | 377 | 1.29 | 2.91 | 96.4 | clear |
| 1123 | .6 | 8.6 | 200 | 5.07 | 7.34 | 17.41 | 374 | 1.28 | 2.21 | 89.8 | clear |
| 1126 | .6 | 9.2 | 200 | 5.07 | 7.34 | 17.43 | 374 | 1.27 | 2.10 | 85.9 | clear |
| 1133 Sample time | | | | | | | | | | | |
| 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" = 0.008; 1/2" = 0.010; 5/8" = 0.016 | | | | | | | | | | | |

SAMPLING DATA

| SAMPLED BY (PRINT) / AFFILIATION: TINUS/Jeff Krone | | | | SAMPLER(S) SIGNATURES: <i>[Signature]</i> | | | | SAMPLING INITIATED AT: 1133 | | SAMPLING ENDED AT: 1145 | |
|---|--------------|---------------|--------------|--|-------------------------------|--------------|--|-------------------------------------|-------------|--|--|
| PUMP OR TUBING DEPTH IN WELL (feet): 6 | | | | SAMPLE PUMP FLOW RATE (mL per minute): 200 | | | | TUBING MATERIAL CODE: Teflon | | | |
| FIELD DECONTAMINATION: Y <input checked="" type="radio"/> N | | | | FIELD-FILTERED: Y <input checked="" type="radio"/> N | | | | FILTER SIZE: — µm | | MS/MSD: Y <input checked="" type="radio"/> N | |
| SAMPLE CONTAINER SPECIFICATION | | | | SAMPLE PRESERVATION | | | | INTENDED ANALYSIS AND/OR METHOD | | SAMPLING EQUIPMENT CODE | |
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVATIVE USED | TOTAL VOL ADDED IN FIELD (mL) | FINAL pH | | | | | |
| PP | 3 | CG | 40 mL | HCL | NONE | <2 | | VOCs (BTEX + MTBE)/8260B | RFPP | | |
| PP | 1 | AG | 1 L | NONE | NONE | — | | PAHs/8270C | APP | | |
| PP | 2 | AG | 1 L | H2SO4 | NONE | — | | TRPH/FL-PRO | APP | | |
| REMARKS: | | | | | | | | | | | |

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

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Tetra Tech NUS / FDEP Groundwater Sampling Sheet

| | |
|---|--|
| SITE NAME: Building 351-2 WELL NO: 351-2-MW04D | SITE LOCATION: NAVSTA Mayport SAMPLE ID: MPT-351-2-MW04D-022610 |
| DATE: 2 / 26 / 2010 | |

PURGING DATA

| | | | | |
|------------------------------|---------------------------------------|-------------------------------------|---|--|
| WELL DIAMETER (in): 1 | TUBING DIAMETER (Inches): 3/16 | TOTAL WELL DEPTH (ft.): 29.4 | STATIC DEPTH TO WATER (ft): 5.44 | PURGE PUMP TYPE OR BAILER: Peristaltic Pump |
|------------------------------|---------------------------------------|-------------------------------------|---|--|

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY
 only fill out if applicable)

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
 (only fill out if applicable)
 $3.54 = 1.15 + .0014 \times 35 = .049 \times 3.785 = 0.185 + 1 = 1.18$

| | | | | |
|--|--|---------------------------------|-----------------------------|---|
| INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 28 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 28 | PURGE INITIATED AT: 1050 | PURGE ENDED AT: 1256 | TOTAL VOLUME PURGED (Liters): 12.6 |
|--|--|---------------------------------|-----------------------------|---|

| TIME | VOLUME PURGED (Liters) | CUMUL VOLUME PURGED (Liters) | PURGE RATE (mlpm) | DEPTH TO WATER (ft) | pH (standard units) | TEMP. (°C) | COND. (µS/cm) | DISSOLVED OXYGEN (mg/L) | TURBIDITY (NTUs) | ORP (mV) | COLOR/ODOR |
|------------------|------------------------|------------------------------|-------------------|---------------------|---------------------|------------|---------------|-------------------------|------------------|----------|------------|
| 1050 | — | — | 100 | — | — | — | — | — | — | — | — |
| 1250 | 12.0 | 12.0 | 100 | 5.67 | 7.52 | 20.90 | 697 | 0.22 | 0.98 | -194.0 | clear |
| 1253 | 0.3 | 12.3 | 100 | 5.67 | 7.52 | 20.91 | 697 | 0.23 | 0.73 | -196.9 | clear |
| 1256 | 0.3 | 12.6 | 100 | 5.67 | 7.52 | 20.91 | 698 | 0.22 | 0.61 | -197.7 | clear |
| 1303 sample time | | | | | | | | | | | |

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" = 0.0008; 3/16" = 0.0014; 1/4" = 0.0026; 5/16" = 0.004; 3/8" = 0.008; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

| | | | |
|---|--|-------------------------------------|--|
| SAMPLED BY (PRINT) / AFFILIATION: TINUS/ Jeff Krone | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1303 | SAMPLING ENDED AT: 1315 |
| PUMP OR TUBING DEPTH IN WELL (feet): 28 | SAMPLE PUMP FLOW RATE (mL per minute): 100 | TUBING MATERIAL CODE: Teflon | |
| FIELD DECONTAMINATION: Y <input checked="" type="radio"/> N <input type="radio"/> | FIELD-FILTERED: Y <input checked="" type="radio"/> N <input type="radio"/> | FILTER SIZE: _____ µm | MS/MSD: Y <input checked="" type="radio"/> N <input type="radio"/> |

| SAMPLE CONTAINER SPECIFICATION | | | | SAMPLE PRESERVATION | | | INTENDED ANALYSIS AND/OR METHOD | SAMPLING EQUIPMENT CODE |
|--------------------------------|--------------|---------------|--------|---------------------|-------------------------------|----------|---------------------------------|-------------------------|
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVATIVE USED | TOTAL VOL ADDED IN FIELD (mL) | FINAL pH | | |
| PP | 3 | CG | 40 mL | HCL | NONE | <2 | VOCs (BTEX + MTBE)/8260B | RFPP |
| PP | 1 | AG | 1 L | NONE | NONE | -- | PAHs/8270C | APP |
| PP | 2 | AG | 1 L | H2SO4 | NONE | -- | TRPH/FL-PRO | APP |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

REMARKS:

MATERIAL CODES: AG = Amber Glass; CG = Clear Glass; PE = Polyethylene; PP = Polypropylene; S = Silicone; T = Teflon; O = Other (Specify)
SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump
 RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

Tetra Tech NUS / FDEP Groundwater Sampling Sheet

| | |
|---|--|
| SITE NAME: Building 351-2 WELL NO: 351-2-MW05S | SITE LOCATION: NAVSTA Mayport SAMPLE ID: MPT-351-2-MW05S-022610 |
| DATE: 8/26 / 2010 | |

PURGING DATA

| | | | | |
|--|---|-------------------------------------|---|--|
| WELL DIAMETER (in): 1' | TUBING DIAMETER (inches): 3/16 | TOTAL WELL DEPTH (ft.): 10.5 | STATIC DEPTH TO WATER (ft): 6.04 | PURGE PUMP TYPE OR BAILER: Peristaltic Pump |
| WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH - STATIC DEPTH TO WATER) X WELL CAPACITY only fill out if applicable) 10.5 - 6.04 = 4.46 x 0.04 = .177 x 36 1.67 Liters | | | | |
| EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME (only fill out if applicable) Liters | | | | |
| INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7 | FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7 | PURGE INITIATED AT: 1205 | PURGE ENDED AT: 1341 | TOTAL VOLUME PURGED (Liters): 916 |

| TIME | VOLUME PURGED (Liters) | CUMUL. VOLUME PURGED (Liters) | PURGE RATE (mlpm) | DEPTH TO WATER (ft) | pH (standard units) | TEMP. (°C) | COND. (µS/cm) | DISSOLVED OXYGEN (mg/L) | TURBIDITY (NTUs) | ORP (mV) | COLOR/ODOR |
|-------------|------------------------|-------------------------------|-------------------|---------------------|---------------------|--------------|---------------|-------------------------|------------------|--------------|--------------|
| 1205 | | | 100 | | | | | | | | |
| 1335 | 9.0 | 9.0 | 100 | 6.09 | 6.95 | 18.88 | 463 | 0.29 | 2.91 | 46.6 | clear |
| 1338 | .3 | 9.3 | 100 | 6.09 | 6.94 | 18.87 | 464 | 0.29 | 1.95 | -47.5 | clear |
| 1341 | .3 | 9.6 | 100 | 6.09 | 6.94 | 18.87 | 464 | 0.30 | 1.92 | -51.9 | clear |
| 1348 | Sample time | | | | | | | | | | |

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" = 0.0028; 5/16" = 0.004; 3/8" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

| | | | |
|---|--|-------------------------------------|--|
| SAMPLED BY (PRINT) / AFFILIATION: TINUS/ Jeff Krone | SAMPLER(S) SIGNATURES: | SAMPLING INITIATED AT: 1348 | SAMPLING ENDED AT: 1415 |
| PUMP OR TUBING DEPTH IN WELL (feet): 7 | SAMPLE PUMP FLOW RATE (mL per minute): 100 | TUBING MATERIAL CODE: Teflon | |
| FIELD DECONTAMINATION: Y <input checked="" type="radio"/> N <input type="radio"/> | FIELD-FILTERED: Y <input type="radio"/> N <input checked="" type="radio"/> | FILTER SIZE: _____ µm | MS/MSD: <input checked="" type="radio"/> Y <input type="radio"/> N |

| SAMPLE CONTAINER SPECIFICATION | | | | SAMPLE PRESERVATION | | | INTENDED ANALYSIS AND/OR METHOD | SAMPLING EQUIPMENT CODE |
|--------------------------------|--------------|---------------|--------|---------------------|-------------------------------|----------|---------------------------------|-------------------------|
| SAMPLE ID CODE | # CONTAINERS | MATERIAL CODE | VOLUME | PRESERVATIVE USED | TOTAL VOL ADDED IN FIELD (mL) | FINAL pH | | |
| PP | 3 | CG | 40 mL | HCL | NONE | <2 | VOCs (BTEX + MTBE)/8260B | RFPP |
| PP | 1 | AG | 1 L | NONE | NONE | - | PAHs/8270C | APP |
| PP | 2 | AG | 1 L | H2SO4 | NONE | - | TRPH/FL-PRO | APP |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |
| | | | | | | | | |

REMARKS:

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

SAMPLING/PURGING EQUIPMENT CODES: APP = After Peristaltic Pump; B = Bailor; BP = Bladder Pump; ESP = Electric Submersible Pump; PP = Peristaltic Pump; RFPP = Reverse Flow Peristaltic Pump; SM = Straw Method (Tubing Gravity Drain); VT = Vacuum Trap; O = Other (Specify)

ATTACHMENT C
GROUNDWATER ANALYTICAL REPORT



Technical Report for

Tetra Tech NUS

NAUSTA Mayport

112G02316

Accutest Job Number: F71676

Sampling Dates: 02/25/10 - 02/26/10

Report to:

Tetra-Tech, Inc.

kevin.weichert@tetrattech.com

ATTN: Tobrena Skeen

Total number of pages in report: **26**



Test results contained within this data package meet the requirements of the National Environmental Laboratory Accreditation Conference and/or state specific certification programs as applicable.


Harry Behzadi, Ph.D.
Laboratory Director

Client Service contact: Heather Wandrey 407-425-6700

Certifications: FL (DOH E83510), NC (573), NJ (FL002), MA (FL946), IA (366), LA (03051), KS (E-10327), SC, AK

This report shall not be reproduced, except in its entirety, without the written approval of Accutest Laboratories.

Test results relate only to samples analyzed.

Table of Contents

Sections:



-1-

| | |
|--|-----------|
| Section 1: Sample Summary | 3 |
| Section 2: Case Narrative/Conformance Summary | 4 |
| Section 3: Sample Results | 5 |
| 3.1: F71676-1: MPT-351-2-MW01S-022510 | 6 |
| 3.2: F71676-2: MPT-351-2-MW02S-022610 | 9 |
| 3.3: F71676-3: MPT-351-2-MW03S-022610 | 12 |
| 3.4: F71676-4: MPT-351-2-MW04D-022610 | 15 |
| 3.5: F71676-5: MPT-351-2-MW05S-022610 | 18 |
| 3.6: F71676-6: MPT-351-2-RINSATE 01-022610 | 21 |
| Section 4: Misc. Forms | 24 |
| 4.1: Chain of Custody | 25 |



Sample Summary

Tetra Tech NUS

Job No: F71676

NAUSTA Mayport
Project No: 112G02316

| Sample Number | Collected | | Received | Matrix | | Client Sample ID |
|---------------|-----------|----------|----------|--------|--------------------|-----------------------------|
| | Date | Time By | | Code | Type | |
| F71676-1 | 02/25/10 | 15:30 JK | 02/27/10 | AQ | Ground Water | MPT-351-2-MW01S-022510 |
| F71676-2 | 02/26/10 | 11:33 JK | 02/27/10 | AQ | Ground Water | MPT-351-2-MW02S-022610 |
| F71676-3 | 02/26/10 | 12:29 JK | 02/27/10 | AQ | Ground Water | MPT-351-2-MW03S-022610 |
| F71676-4 | 02/26/10 | 13:03 JK | 02/27/10 | AQ | Ground Water | MPT-351-2-MW04D-022610 |
| F71676-5 | 02/26/10 | 13:48 JK | 02/27/10 | AQ | Ground Water | MPT-351-2-MW05S-022610 |
| F71676-5D | 02/26/10 | 13:48 JK | 02/27/10 | AQ | Water Dup/MSD | MPT-351-2-MW05S-022610 |
| F71676-5S | 02/26/10 | 13:48 JK | 02/27/10 | AQ | Water Matrix Spike | MPT-351-2-MW05S-022610 |
| F71676-6 | 02/26/10 | 15:30 JK | 02/27/10 | AQ | Equipment Blank | MPT-351-2-RINSATE 01-022610 |

SAMPLE DELIVERY GROUP CASE NARRATIVE

Client: Tetra Tech NUS

Job No: F71676

Site: NAUSTA Mayport

Report Date: 3/16/2010 3:15:28 PM

6 Samples were collected on 02/25/2010 and 02/26/2010 and were received at Accutest SE on 02/27/2010 properly preserved, at 4.2 Deg. C and intact. These Samples received an Accutest job number of F71676. A listing of the Laboratory Sample ID, Client Sample ID and dates of collection are presented in the Results Summary Section of this report.

Except as noted below, all method specified calibrations and quality control performance criteria were met for this job. For more information, please refer to QC summary pages.

Volatiles by GCMS by Method SW846 8260B

Matrix: AQ

Batch ID: VC2783

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F71676-5MS, F71676-5MSD were used as the QC samples indicated.

F71676-4: Sample was not preserved to a pH < 2.

Extractables by GCMS by Method SW846 8270C BY SIM

Matrix: AQ

Batch ID: OP32019

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F71638-1MS, F71638-1MSD were used as the QC samples indicated.

Matrix Spike Recoverys for 2-Methylnaphthalene, Acenaphthylene, Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene, Phenanthrene are outside control limits. Probable cause due to matrix interference.

Matrix Spike Duplicate Recoverys for Benzo(g,h,i)perylene, Dibenzo(a,h)anthracene are outside control limits. Probable cause due to matrix interference.

Extractables by GC by Method FLORIDA-PRO

Matrix: AQ

Batch ID: OP32025

All samples were extracted within the recommended method holding time.

All samples were analyzed within the recommended method holding time.

All method blanks for this batch meet method specific criteria.

Samples F71638-1MS, F71638-1MSD were used as the QC samples indicated.

Accutest Laboratories Southeast (ALSE) certifies that this report meets the project requirements for analytical data produced for the samples as received at ALSE and as stated on the COC. ALSE certifies that the data meets the Data Quality Objectives for precision, accuracy and completeness as specified in the ALSE Quality Manual except as noted above. This report is to be used in its entirety. ALSE is not responsible for any assumptions of data quality if partial data packages are used.

Narrative prepared by:

Ellen Pampel, Inorganic QA (signature on file)

Date: March 16, 2010

Tuesday, March 16, 2010



Sample Results

Report of Analysis

Report of Analysis

| | | | |
|-------------------|------------------------|-----------------|----------|
| Client Sample ID: | MPT-351-2-MW01S-022510 | Date Sampled: | 02/25/10 |
| Lab Sample ID: | F71676-1 | Date Received: | 02/27/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Method: | SW846 8260B | | |
| Project: | NAUSTA Mayport | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | C069247.D | 1 | 03/04/10 | AJ | n/a | n/a | VC2783 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

Purgeable Aromatics, MTBE

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 1.0 | 0.21 | ug/l | |
| 108-88-3 | Toluene | 0.20 U | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | 0.20 U | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | 0.54 U | 3.0 | 0.54 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.25 U | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 101% | | 87-116% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 96% | | 76-127% |
| 2037-26-5 | Toluene-D8 | 98% | | 86-112% |
| 460-00-4 | 4-Bromofluorobenzene | 103% | | 84-120% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result \geq MDL but $<$ RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

| | | | |
|-------------------|--------------------------------|-----------------|----------|
| Client Sample ID: | MPT-351-2-MW01S-022510 | Date Sampled: | 02/25/10 |
| Lab Sample ID: | F71676-1 | Date Received: | 02/27/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Method: | SW846 8270C BY SIM SW846 3510C | | |
| Project: | NAUSTA Mayport | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | W050792.D | 1 | 03/09/10 | RB | 03/01/10 | OP32019 | SW2552 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | | |

BN PAH List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|---------|------|-------|-------|---|
| 83-32-9 | Acenaphthene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 208-96-8 | Acenaphthylene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 120-12-7 | Anthracene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 218-01-9 | Chrysene | 0.095 U | 0.19 | 0.095 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 206-44-0 | Fluoranthene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 86-73-7 | Fluorene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 90-12-0 | 1-Methylnaphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 91-20-3 | Naphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 85-01-8 | Phenanthrene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 129-00-0 | Pyrene | 0.24 U | 0.95 | 0.24 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 74% | | 42-108% |
| 321-60-8 | 2-Fluorobiphenyl | 68% | | 40-106% |
| 1718-51-0 | Terphenyl-d14 | 81% | | 39-121% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.1
3

| | |
|---|--------------------------------|
| Client Sample ID: MPT-351-2-MW01S-022510 | Date Sampled: 02/25/10 |
| Lab Sample ID: F71676-1 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: FLORIDA-PRO SW846 3510C | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | IJ64137.D | 1 | 03/03/10 | FEA | 03/02/10 | OP32025 | GIJ2160 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|--------------|--------|------|------|-------|---|
| | TPH (C8-C40) | 0.509 | 0.24 | 0.16 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---------|----------------------|--------|--------|---------|
| 84-15-1 | o-Terphenyl | 70% | | 38-122% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.2
3

| | |
|--|-------------------------|
| Client Sample ID: MPT-351-2-MW02S-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-2 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: SW846 8260B | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | C069248.D | 1 | 03/04/10 | AJ | n/a | n/a | VC2783 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

Purgeable Aromatics, MTBE

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 1.0 | 0.21 | ug/l | |
| 108-88-3 | Toluene | 0.20 U | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | 0.20 U | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | 0.54 U | 3.0 | 0.54 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.25 U | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 98% | | 87-116% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 93% | | 76-127% |
| 2037-26-5 | Toluene-D8 | 97% | | 86-112% |
| 460-00-4 | 4-Bromofluorobenzene | 104% | | 84-120% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.2
3

| | |
|---|--------------------------------|
| Client Sample ID: MPT-351-2-MW02S-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-2 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: SW846 8270C BY SIM SW846 3510C | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | W050793.D | 1 | 03/09/10 | RB | 03/01/10 | OP32019 | SW2552 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | | |

BN PAH List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|---------|------|-------|-------|---|
| 83-32-9 | Acenaphthene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 208-96-8 | Acenaphthylene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 120-12-7 | Anthracene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 218-01-9 | Chrysene | 0.095 U | 0.19 | 0.095 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 206-44-0 | Fluoranthene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 86-73-7 | Fluorene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 90-12-0 | 1-Methylnaphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 91-20-3 | Naphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 85-01-8 | Phenanthrene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 129-00-0 | Pyrene | 0.24 U | 0.95 | 0.24 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 57% | | 42-108% |
| 321-60-8 | 2-Fluorobiphenyl | 59% | | 40-106% |
| 1718-51-0 | Terphenyl-d14 | 80% | | 39-121% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.2
3

| | |
|--|-------------------------|
| Client Sample ID: MPT-351-2-MW02S-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-2 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: FLORIDA-PRO SW846 3510C | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | IJ64138.D | 1 | 03/03/10 | FEA | 03/02/10 | OP32025 | GIJ2160 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|--------------|--------|------|------|-------|---|
| | TPH (C8-C40) | 0.16 U | 0.24 | 0.16 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---------|----------------------|--------|--------|---------|
| 84-15-1 | o-Terphenyl | 67% | | 38-122% |

U = Not detected MDL - Method Detection Limit I = Result >= MDL but < RL J = Estimated value
 RL = Reporting Limit = PQL V = Indicates analyte found in associated method blank
 L = Indicates value exceeds calibration range N = Indicates presumptive evidence of a compound

Report of Analysis

3.3
3

| | |
|--|-------------------------|
| Client Sample ID: MPT-351-2-MW03S-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-3 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: SW846 8260B | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | C069249.D | 1 | 03/04/10 | AJ | n/a | n/a | VC2783 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

Purgeable Aromatics, MTBE

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | 0.56 | 1.0 | 0.21 | ug/l | I |
| 108-88-3 | Toluene | 0.22 | 1.0 | 0.20 | ug/l | I |
| 100-41-4 | Ethylbenzene | 8.0 | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | 11.2 | 3.0 | 0.54 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.25 U | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 100% | | 87-116% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 94% | | 76-127% |
| 2037-26-5 | Toluene-D8 | 97% | | 86-112% |
| 460-00-4 | 4-Bromofluorobenzene | 99% | | 84-120% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.3
3

| | |
|---|--------------------------------|
| Client Sample ID: MPT-351-2-MW03S-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-3 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: SW846 8270C BY SIM SW846 3510C | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | W050794.D | 1 | 03/09/10 | RB | 03/01/10 | OP32019 | SW2552 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | | |

BN PAH List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|---------|------|-------|-------|---|
| 83-32-9 | Acenaphthene | 1.5 | 0.95 | 0.48 | ug/l | |
| 208-96-8 | Acenaphthylene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 120-12-7 | Anthracene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 218-01-9 | Chrysene | 0.095 U | 0.19 | 0.095 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 206-44-0 | Fluoranthene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 86-73-7 | Fluorene | 3.7 | 0.95 | 0.48 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 90-12-0 | 1-Methylnaphthalene | 26.0 | 0.95 | 0.24 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | 23.6 | 0.95 | 0.24 | ug/l | |
| 91-20-3 | Naphthalene | 23.8 | 0.95 | 0.24 | ug/l | |
| 85-01-8 | Phenanthrene | 2.0 | 0.95 | 0.24 | ug/l | |
| 129-00-0 | Pyrene | 0.89 | 0.95 | 0.24 | ug/l | I |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 68% | | 42-108% |
| 321-60-8 | 2-Fluorobiphenyl | 55% | | 40-106% |
| 1718-51-0 | Terphenyl-d14 | 63% | | 39-121% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.3
3

| | |
|---|--------------------------------|
| Client Sample ID: MPT-351-2-MW03S-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-3 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: FLORIDA-PRO SW846 3510C | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | IJ64141.D | 4 | 03/03/10 | FEA | 03/02/10 | OP32025 | GIJ2160 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|----------------------|--------|--------|---------|-------|---|
| | TPH (C8-C40) | 3.44 | 0.95 | 0.65 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 84-15-1 | o-Terphenyl | 91% | | 38-122% | | |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.4
3

| | |
|---|--------------------------------|
| Client Sample ID: MPT-351-2-MW04D-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-4 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: SW846 8260B | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|---------------------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 ^a | C069250.D | 1 | 03/04/10 | AJ | n/a | n/a | VC2783 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

Purgeable Aromatics, MTBE

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 1.0 | 0.21 | ug/l | |
| 108-88-3 | Toluene | 0.20 U | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | 0.20 U | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | 0.54 U | 3.0 | 0.54 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.25 U | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 87-116% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 97% | | 76-127% |
| 2037-26-5 | Toluene-D8 | 98% | | 86-112% |
| 460-00-4 | 4-Bromofluorobenzene | 106% | | 84-120% |

(a) Sample was not preserved to a pH < 2.

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|-------------------|--------------------------------|-----------------|----------|
| Client Sample ID: | MPT-351-2-MW04D-022610 | Date Sampled: | 02/26/10 |
| Lab Sample ID: | F71676-4 | Date Received: | 02/27/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Method: | SW846 8270C BY SIM SW846 3510C | | |
| Project: | NAUSTA Mayport | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | W050795.D | 1 | 03/09/10 | RB | 03/01/10 | OP32019 | SW2552 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | | |

BN PAH List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|---------|------|-------|-------|---|
| 83-32-9 | Acenaphthene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 208-96-8 | Acenaphthylene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 120-12-7 | Anthracene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 218-01-9 | Chrysene | 0.095 U | 0.19 | 0.095 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 206-44-0 | Fluoranthene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 86-73-7 | Fluorene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 90-12-0 | 1-Methylnaphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 91-20-3 | Naphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 85-01-8 | Phenanthrene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 129-00-0 | Pyrene | 0.24 U | 0.95 | 0.24 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 66% | | 42-108% |
| 321-60-8 | 2-Fluorobiphenyl | 64% | | 40-106% |
| 1718-51-0 | Terphenyl-d14 | 85% | | 39-121% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result \geq MDL but $<$ RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.4
3

| | |
|---|--------------------------------|
| Client Sample ID: MPT-351-2-MW04D-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-4 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: FLORIDA-PRO SW846 3510C | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | IJ64142.D | 1 | 03/03/10 | FEA | 03/02/10 | OP32025 | GIJ2160 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|--------------|--------|------|------|-------|---|
| | TPH (C8-C40) | 0.16 U | 0.24 | 0.16 | mg/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|---------|----------------------|--------|--------|---------|
| 84-15-1 | o-Terphenyl | 71% | | 38-122% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|-------------------|------------------------|-----------------|----------|
| Client Sample ID: | MPT-351-2-MW05S-022610 | Date Sampled: | 02/26/10 |
| Lab Sample ID: | F71676-5 | Date Received: | 02/27/10 |
| Matrix: | AQ - Ground Water | Percent Solids: | n/a |
| Method: | SW846 8260B | | |
| Project: | NAUSTA Mayport | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | C069238.D | 1 | 03/04/10 | AJ | n/a | n/a | VC2783 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

Purgeable Aromatics, MTBE

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | 0.92 | 1.0 | 0.21 | ug/l | I |
| 108-88-3 | Toluene | 0.20 U | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | 0.60 | 1.0 | 0.20 | ug/l | I |
| 1330-20-7 | Xylene (total) | 1.0 | 3.0 | 0.54 | ug/l | I |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.25 U | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 87-116% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 94% | | 76-127% |
| 2037-26-5 | Toluene-D8 | 94% | | 86-112% |
| 460-00-4 | 4-Bromofluorobenzene | 97% | | 84-120% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result \geq MDL but $<$ RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

| | |
|--|-------------------------|
| Client Sample ID: MPT-351-2-MW05S-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-5 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: SW846 8270C BY SIM SW846 3510C | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | W050796.D | 1 | 03/09/10 | RB | 03/01/10 | OP32019 | SW2552 |
| Run #2 | W050840.D | 2 | 03/10/10 | RB | 03/01/10 | OP32019 | SW2553 |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | 1050 ml | 1.0 ml |

BN PAH List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|-------------------|------|-------|-------|---|
| 83-32-9 | Acenaphthene | 2.0 | 0.95 | 0.48 | ug/l | |
| 208-96-8 | Acenaphthylene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 120-12-7 | Anthracene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 218-01-9 | Chrysene | 0.095 U | 0.19 | 0.095 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 206-44-0 | Fluoranthene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 86-73-7 | Fluorene | 4.8 | 0.95 | 0.48 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 90-12-0 | 1-Methylnaphthalene | 56.9 ^a | 1.9 | 0.48 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | 75.0 ^a | 1.9 | 0.48 | ug/l | |
| 91-20-3 | Naphthalene | 47.2 | 0.95 | 0.24 | ug/l | |
| 85-01-8 | Phenanthrene | 4.6 | 0.95 | 0.24 | ug/l | |
| 129-00-0 | Pyrene | 0.88 | 0.95 | 0.24 | ug/l | I |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 56% | 59% | 42-108% |
| 321-60-8 | 2-Fluorobiphenyl | 42% | 51% | 40-106% |
| 1718-51-0 | Terphenyl-d14 | 71% | 72% | 39-121% |

(a) Result is from Run# 2

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.5
3

| | |
|---|--------------------------------|
| Client Sample ID: MPT-351-2-MW05S-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-5 | Date Received: 02/27/10 |
| Matrix: AQ - Ground Water | Percent Solids: n/a |
| Method: FLORIDA-PRO SW846 3510C | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | IJ64143.D | 4 | 03/03/10 | FEA | 03/02/10 | OP32025 | GIJ2160 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1040 ml | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|----------------------|--------|--------|---------|-------|---|
| | TPH (C8-C40) | 3.87 | 0.96 | 0.65 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 84-15-1 | o-Terphenyl | 88% | | 38-122% | | |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.6
3

| | |
|---|-------------------------|
| Client Sample ID: MPT-351-2-RINSATE 01-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-6 | Date Received: 02/27/10 |
| Matrix: AQ - Equipment Blank | Percent Solids: n/a |
| Method: SW846 8260B | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | C069251.D | 1 | 03/04/10 | AJ | n/a | n/a | VC2783 |
| Run #2 | | | | | | | |

| Run # | Purge Volume |
|--------|--------------|
| Run #1 | 5.0 ml |
| Run #2 | |

Purgeable Aromatics, MTBE

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|-----------|-------------------------|--------|-----|------|-------|---|
| 71-43-2 | Benzene | 0.21 U | 1.0 | 0.21 | ug/l | |
| 108-88-3 | Toluene | 0.20 U | 1.0 | 0.20 | ug/l | |
| 100-41-4 | Ethylbenzene | 0.20 U | 1.0 | 0.20 | ug/l | |
| 1330-20-7 | Xylene (total) | 0.54 U | 3.0 | 0.54 | ug/l | |
| 1634-04-4 | Methyl Tert Butyl Ether | 0.25 U | 1.0 | 0.25 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|------------|-----------------------|--------|--------|---------|
| 1868-53-7 | Dibromofluoromethane | 102% | | 87-116% |
| 17060-07-0 | 1,2-Dichloroethane-D4 | 97% | | 76-127% |
| 2037-26-5 | Toluene-D8 | 97% | | 86-112% |
| 460-00-4 | 4-Bromofluorobenzene | 105% | | 84-120% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

| | | | |
|-------------------|--------------------------------|-----------------|----------|
| Client Sample ID: | MPT-351-2-RINSATE 01-022610 | Date Sampled: | 02/26/10 |
| Lab Sample ID: | F71676-6 | Date Received: | 02/27/10 |
| Matrix: | AQ - Equipment Blank | Percent Solids: | n/a |
| Method: | SW846 8270C BY SIM SW846 3510C | | |
| Project: | NAUSTA Mayport | | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|----|-----------|------------|------------------|
| Run #1 | W050797.D | 1 | 03/09/10 | RB | 03/01/10 | OP32019 | SW2552 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1050 ml | 1.0 ml |
| Run #2 | | |

BN PAH List

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|----------|------------------------|---------|------|-------|-------|---|
| 83-32-9 | Acenaphthene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 208-96-8 | Acenaphthylene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 120-12-7 | Anthracene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 56-55-3 | Benzo(a)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 50-32-8 | Benzo(a)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 205-99-2 | Benzo(b)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 191-24-2 | Benzo(g,h,i)perylene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 207-08-9 | Benzo(k)fluoranthene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 218-01-9 | Chrysene | 0.095 U | 0.19 | 0.095 | ug/l | |
| 53-70-3 | Dibenzo(a,h)anthracene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 206-44-0 | Fluoranthene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 86-73-7 | Fluorene | 0.48 U | 0.95 | 0.48 | ug/l | |
| 193-39-5 | Indeno(1,2,3-cd)pyrene | 0.048 U | 0.19 | 0.048 | ug/l | |
| 90-12-0 | 1-Methylnaphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 91-57-6 | 2-Methylnaphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 91-20-3 | Naphthalene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 85-01-8 | Phenanthrene | 0.24 U | 0.95 | 0.24 | ug/l | |
| 129-00-0 | Pyrene | 0.24 U | 0.95 | 0.24 | ug/l | |

| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits |
|-----------|----------------------|--------|--------|---------|
| 4165-60-0 | Nitrobenzene-d5 | 76% | | 42-108% |
| 321-60-8 | 2-Fluorobiphenyl | 73% | | 40-106% |
| 1718-51-0 | Terphenyl-d14 | 92% | | 39-121% |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound

Report of Analysis

3.6
3

| | |
|--|--------------------------------|
| Client Sample ID: MPT-351-2-RINSATE 01-022610 | Date Sampled: 02/26/10 |
| Lab Sample ID: F71676-6 | Date Received: 02/27/10 |
| Matrix: AQ - Equipment Blank | Percent Solids: n/a |
| Method: FLORIDA-PRO SW846 3510C | |
| Project: NAUSTA Mayport | |

| Run # | File ID | DF | Analyzed | By | Prep Date | Prep Batch | Analytical Batch |
|--------|-----------|----|----------|-----|-----------|------------|------------------|
| Run #1 | IJ64144.D | 1 | 03/03/10 | FEA | 03/02/10 | OP32025 | GIJ2160 |
| Run #2 | | | | | | | |

| Run # | Initial Volume | Final Volume |
|--------|----------------|--------------|
| Run #1 | 1040 ml | 1.0 ml |
| Run #2 | | |

| CAS No. | Compound | Result | RL | MDL | Units | Q |
|---------|----------------------|--------|--------|---------|-------|---|
| | TPH (C8-C40) | 0.16 U | 0.24 | 0.16 | mg/l | |
| CAS No. | Surrogate Recoveries | Run# 1 | Run# 2 | Limits | | |
| 84-15-1 | o-Terphenyl | 89% | | 38-122% | | |

U = Not detected MDL - Method Detection Limit
 RL = Reporting Limit = PQL
 L = Indicates value exceeds calibration range

I = Result >= MDL but < RL J = Estimated value
 V = Indicates analyte found in associated method blank
 N = Indicates presumptive evidence of a compound



Misc. Forms

Custody Documents and Other Forms

Includes the following where applicable:

- Certification Exceptions
- Chain of Custody



TETRA TECH NUS, INC.

CHAIN OF CUSTODY

NUMBER NO. 2020

F71676

PAGE 1 OF 1

| | | | | | | | | | | | | |
|--|------|---|-------------|--|--|-------------------------------------|------|--|---|---------|----------|-------------------|
| PROJECT NO: 12609316 | | FACILITY: NAUSTA Mayport 351-2 | | PROJECT MANAGER Dave Siefert | | PHONE NUMBER 904 696 6125 | | LABORATORY NAME AND CONTACT: Accutest / Heather Wandrey | | | | |
| SAMPLERS (SIGNATURE) | | FIELD OPERATIONS LEADER Jeff Krone | | PHONE NUMBER 904 699 7413 | | ADDRESS 4405 Vineland Rd | | CITY, STATE Orlando, FL | | | | |
| STANDARD TAT <input checked="" type="checkbox"/> RUSH TAT <input type="checkbox"/> | | CARRIER/WAYBILL NUMBER Accutest Courier | | CONTAINER TYPE PLASTIC (P) or GLASS (G) | | PRESERVATIVE USED | | TYPE OF ANALYSIS VOC's (82603) HCL G G G PAH's (82603) HCL G G G TRPH FL PRO HCL G G G | | | | |
| <input type="checkbox"/> 24 hr. <input type="checkbox"/> 48 hr. <input type="checkbox"/> 72 hr. <input type="checkbox"/> 7 day <input type="checkbox"/> 14 day | | TOP DEPTH (FT) | | BOTTOM DEPTH (FT) | | MATRIX (GW, SO, SW, SD, OC, ETC.) | | | | | | COLLECTION METHOD |
| DATE YEAR | TIME | SAMPLE ID | LOCATION ID | | | | | | | | COMMENTS | |
| 2/26 | 1530 | MPT-351-2-MW013-080610 | | | | GW | G | 7 | X | X | X | Cool to 4°C |
| 2/26 | 1193 | MPT-351-2-MW023-080610 | | | | GW | G | 7 | X | X | X | |
| 2/26 | 1229 | MPT-351-2-MW035-080610 | | | | GW | G | 7 | X | X | X | |
| 2/26 | 1303 | MPT-351-2-MW040-080610 | | | | GW | G | 7 | X | X | X | |
| 2/26 | 1348 | MPT-351-2-MW053-080610 | | | | GW | G | 7 | X | X | X | |
| 2/26 | 1530 | MPT-351-2-Rimsate.01-080610 | | | | QC | | 7 | X | X | X | |
| 1. RELINQUISHED BY | | DATE | TIME | 1. RECEIVED BY | | DATE | TIME | 2. RECEIVED BY | | DATE | TIME | |
| | | 2/26/10 | 1630 | | | 2/26/10 | 1657 | | | 2/26/10 | 8:00 | |
| 2. RELINQUISHED BY | | DATE | TIME | 2. RECEIVED BY | | DATE | TIME | 3. RECEIVED BY | | DATE | TIME | |
| | | 2-26-10 | 1614 | | | | | | | | | |
| 3. RELINQUISHED BY | | DATE | TIME | 3. RECEIVED BY | | DATE | TIME | 3. RECEIVED BY | | DATE | TIME | |
| | | | | | | | | | | | | |

COMMENTS: **4.2 3.0 2.8 3.6**

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY) 4/02R FORM NO. TINUS-001

4.1
4

ACCUTEST LABORATORIES SAMPLE RECEIPT CONFIRMATION

ACCUTEST'S JOB NUMBER: F71676 CLIENT: Tetra Tech PROJECT: 112602316
 DATE/TIME RECEIVED: 2/26/10 8:00 (MM/DD/YY 24:00) NUMBER OF COOLERS RECEIVED: 4
 METHOD OF DELIVERY: FEDEX UPS ACCUTEST COURIER GREYHOUND DELIVERY OTHER
 AIRBILL NUMBERS: _____

COOLER INFORMATION

- CUSTODY SEAL NOT PRESENT OR NOT INTACT
- CHAIN OF CUSTODY NOT RECEIVED (COC)
- ANALYSIS REQUESTED IS UNCLEAR OR MISSING
- SAMPLE DATES OR TIMES UNCLEAR OR MISSING
- TEMPERATURE CRITERIA NOT MET
- WET ICE PRESENT

TRIP BLANK INFORMATION

- TRIP BLANK PROVIDED
- TRIP BLANK NOT PROVIDED
- TRIP BLANK NOT ON COC
- TRIP BLANK INTACT
- TRIP BLANK NOT INTACT
- RECEIVED WATER TRIP BLANK
- RECEIVED SOIL TRIP BLANK

MISC. INFORMATION

NUMBER OF ENCORES ? 0
 NUMBER OF 5035 FIELD KITS ? 0
 NUMBER OR LAB FILTERED METALS ? 0

TEMPERATURE INFORMATION

IR THERM ID 123 CORR. FACTOR +0
 OBSERVED TEMPS: 4.2 3.0 2.8 2.6
 CORRECTED TEMPS: 4.2 3.0 2.8 3.6

SAMPLE INFORMATION

- SAMPLE LABELS PRESENT ON ALL BOTTLES
- INCORRECT NUMBER OF CONTAINERS USED
- SAMPLE RECEIVED IMPROPERLY PRESERVED
- INSUFFICIENT VOLUME FOR ANALYSIS
- DATES/TIMES ON COC DO NOT MATCH SAMPLE LABEL
- ID'S ON COC DO NOT MATCH LABEL
- VOC VIALS HAVE HEADSPACE (MACRO BUBBLES)
- BOTTLES RECEIVED BUT ANALYSIS NOT REQUESTED
- NO BOTTLES RECEIVED FOR ANALYSIS REQUESTED
- UNCLEAR FILTERING OR COMPOSITING INSTRUCTIONS
- SAMPLE CONTAINER(S) RECEIVED BROKEN
- % SOLIDS JAR NOT RECEIVED
- 5035 FIELD KIT FROZEN WITHIN 48 HOUR'S
- RESIDUAL CHLORINE PRESENT

(APPLICABLE TO EPA 600 SERIES OR NORTH CAROLINA ORGANICS)

SUMMARY OF COMMENTS: Sample 3 ID on vials does not match the co. unless say MPT-3512-mw035-022100
@ 2/26/10 1229 COC says MPT-3512-mw035-022100

TECHNICIAN SIGNATURE/DATE CEQ 2/27/10 REVIEWER SIGNATURE/DATE P.T. 02-27-10
 NF 10/09 RECEIPT CONFIRMATION 100609 (2).xls

4.1
4