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FINAL SITE ASSESSMENT REPORT AND SITE REHABILITATION COMPLETION REPORT FOR SITE 1241 PARKING AREA WITH TRANSMITTAL NS MAYPORT FL

3/7/2013

TRI ECO

TriEco LLC

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March 7, 2013

Naval Facilities Engineering Command Southeast
ATTN: Mr. Andrew Cochran
PWD Mayport
Building 1966
PO Box 280073
Jacksonville, Florida 32228-0073

Reference: N69450-12-M-5084, Oily Wastewater Pipeline Leak Contamination Assessment

Subject: Final Site Assessment Report and Site Rehabilitation Completion Report for the Site 1241 Parking Area, Naval Station Mayport, Jacksonville, Florida 32228

Dear Mr. Cochran:

TriEco, LLC is pleased to submit two hardcopies and one electronic copy of the final Site Assessment and Site Rehabilitation Completion Report for Site 1241 Parking Area at Naval Station Mayport, Jacksonville, Florida. This report was prepared for the United States Navy, Naval Facilities Engineering Command Southeast under Contract Number N69450-12-M-5084.

If you have any questions with regard to this submittal, please contact me at (904) 803-6353 or via e-mail at dfears@trieco.net.

Sincerely,

Diane R. Fears
Project Manager

DF/lc

Enclosure

c: Mark Peterson, Tetra Tech (1 hardcopy, CD)
RDM, Tetra Tech (unbound, CD)
TriEco 5084 Project File

CONTRACT NUMBER N69450-12-M-5094

Rev. 0
03/07/13

Site Assessment Report
and
Site Rehabilitation Completion Report
for the
Site 1241 Parking Area

Naval Station Mayport
Jacksonville, Florida

March 2013

NAVFAC
Naval Facilities Engineering Command
NAVFAC SOUTHEAST
NAS Jacksonville
Jacksonville, Florida 32212-0030

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SITE ASSESSMENT REPORT
AND
SITE REHABILITATION COMPLETION REPORT
FOR THE
SITE 1241 PARKING AREA

NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

Submitted to:
Naval Facilities Engineering Command Southeast
NAS Jacksonville
Jacksonville, Florida 32212-0030

Submitted by:
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7710 Springvale Drive, Suite 201
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CONTRACT NUMBER N69450-12-M-5084

MARCH 2013

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The professional opinions rendered in this document identified as the Site Assessment Report and Site Rehabilitation Completion Report for Site 1241 Parking Area at Naval Station Mayport, Jacksonville, Florida were developed in accordance with commonly accepted procedures consistent with applicable standards of practice. This document was prepared under the supervision of the signing professional and based on information obtained from others. If conditions are determined to exist differently than those described in this document, then the undersigned professional engineer should be notified to evaluate the effects of any additional information on the project described in this document.

March 7, 2013
Mark A. Peterson, P.G.
Florida License Number PG-1852

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ACRONYMS

ALS	ALS Environmental, Inc.
bls	below land surface
°C	degree Celsius
DPT	direct push technology
F.A.C.	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FID	flame ionization detector
FL-PRO	Florida Residual Petroleum Organic
GCTL	Groundwater Cleanup Target Level
IDW	investigative derived waste
IAP-HILL	IAP-HILL, Inc.
µg/kg	microgram per kilogram
µg/L	microgram per liter
mgd	million gallon per day
mg/kg	milligram per kilogram
N/A	not applicable
NAVSTA	Naval Station
NRCS	National Resource Conservation Service
OVA	organic vapor analyzer
PAH	polynuclear aromatic hydrocarbon
PCB	polychlorinated biphenyl
ppm	part per million
PQL	Practical Quantitation Limit
PVC	polyvinyl chloride
SA	site assessment
SAR	Site Assessment Report
SCTL	Soil Cleanup Target Level
SIM	Select Ion Method
SOP	Standard Operating Procedure
SVOC	semivolatile organic compound
TOC	top-of-casing
TPHCWG	Total Petroleum Hydrocarbon Criteria Working Group
TRPH	total recoverable petroleum hydrocarbons
TriEco	TriEco, LLC
USDA	United States Department of Agriculture
USEPA	United States Environmental Protection Agency

ACRONYMS (Continued)

USGS	United States Geological Survey
VOC	volatile organic compound

EXECUTIVE SUMMARY

TriEco, LLC (TriEco), in conjunction with Tetra Tech, Inc., has completed a site assessment (SA) at the Site 1241 Parking Area, Naval Station (NAVSTA) Mayport, Jacksonville, Florida in accordance with the requirements of Chapter 62-770, Florida Administrative Code (F.A.C.). This Site Assessment Report is being submitted to the Florida Department of Environmental Protection for approval.

To complete this SA, TriEco performed the following:

- Reviewed available United States Navy documents to
  - Identify potential sources and receptors for petroleum hydrocarbons in the vicinity.
  - Identify private and municipal potable wells within a 1-mile radius of the site.
  - Locate nearby surface water bodies.
  - Evaluate surface hydrology and drainage.

- Conducted two field events. In Phase I, advanced three soil borings on site using hand augering, and collected soil samples from the borings for analysis by a fixed-base laboratory. In Phase II, advanced five additional soil borings and collected soil samples for analysis by a fixed-base laboratory.

- Installed one temporary monitoring well and one permanent monitoring well to collect/analyze groundwater samples to verify water quality data.

- Referenced and obtained appropriate aquifer data from the United States Geological Survey and National Resource Conservation Service to calculate aquifer characteristics at NAVSTA Mayport.

The investigation was centered on the release of approximately 3,000 gallons of oily wastewater from the force main in the parking area across from Building 1241 in December 2011. The spill was recovered by IAP-HILL, Inc. and treated at the Oily Wastewater Treatment Plant. The underground pipe was repaired, and impacted soil was replaced in the excavation.

The results of the SA revealed the following:

- Excessively contaminated soil, as defined by Chapter 62-770.200(12), F.A.C., was not identified at the site.

- No exceedance of Groundwater Cleanup Target Levels for the Gasoline Analytical Group/Kerosene Analytical Group constituents was documented.

Based on current soil and groundwater analysis results, and the action levels set in Chapter 62-770, F.A.C., no further action is recommended for the Site 1241 Parking Area. It is requested that a Site Rehabilitation Completion Order be issued for this site.

1.0 INTRODUCTION

1.1 PURPOSE AND SCOPE

TriEco, LLC (TriEco), in conjunction with Tetra Tech, Inc., performed a site assessment (SA) at the Site 1241 Parking Area, Naval Station (NAVSTA) Mayport, Jacksonville, Florida for the Naval Facilities Engineering Command Southeast under Contract Number N69450-12-M-5084. The data collected during the investigation were used to prepare this Site Assessment Report (SAR). Information from the field investigation has been assimilated into this SAR to provide a characterization of site conditions from which to base future courses of action.

The purpose of the recently completed SA was to determine if subsurface soils and groundwater at the Site 1241 Parking Area had been impacted by a break in the oily wastewater force main pipeline at this location. This investigation was initiated due to a release that occurred on December 28, 2011, during normal pumping operations of the oily wastewater system. A summary of site investigative history is provided in Section 1.8.

The scope of the investigation included the following:

- Determine the presence or absence and vertical and horizontal extent of any soil impacts.
- Determine the presence/absence and extent of groundwater impacts (horizontal and vertical) through the installation of monitoring well(s).
- Evaluate groundwater and soil quality through fixed-base laboratory analysis of soil and groundwater samples.
- Compile a SAR complete with recommendations for future courses of action, if needed.

A copy of the Site Assessment Summary Sheet for Site 1241 Parking Area is presented in Appendix A.

1.2 FACILITY AND SITE LOCATION

NAVSTA Mayport is located within the corporate limits of the City of Jacksonville, Duval County, Florida and is approximately 12 miles to the east-northeast of downtown Jacksonville and adjacent to the Village of Mayport. The Station complex is located on the northern end of a peninsula bounded by the Atlantic Ocean to the east and the St. Johns River to the north and west. NAVSTA Mayport occupies the entire northern part of the peninsula except for the Village of Mayport, which is located to the west between the Station and the St. Johns River.

The area of investigation at NAVSTA Mayport is in the parking lot across from Building 1241 and is referred to as the Site 1241 Parking Area. On December 28, 2011, according to the Post Spill Requirements Report dated December 28, 2011, (IAP-HILL, Inc. [IAP-HILL], 2008), approximately 3,000 gallons of oily wastewater bubbled up through the asphalt of the parking lot across from Building 1241, ran into the storm drain, and was contained in the detention pond. The investigation area is a relatively flat area located near the intersection of Maine Street and Patrol Road in the northern portion of NAVSTA Mayport. Figure 1-1 shows the location of the site on the NAVSTA Mayport facility.

1.3 REGIONAL GEOLOGY AND HYDROGEOLOGY

Northeastern Florida is underlain by two main aquifer systems: the surficial aquifer system and the Floridan aquifer system. The surficial aquifer system near NAVSTA Mayport includes sediments of the Upper Hawthorn Group, upper Miocene and Pliocene deposits, and Pleistocene and Holocene deposits (United States Department of Agriculture [USDA], 1978). These undifferentiated surficial deposits extend from land surface to the top of the Hawthorn Group about 50 feet below land surface (bls) (United States Geological Survey [USGS], 1992).

The surficial aquifer system consists of fine-grained sands near the surface interspersed with thin (less than 1 foot) clay lenses, and generally grades to a mixture of sand and coarse shell fragments from 30 to 50 feet bls. The base of the surficial aquifer system is its contact with the underlying intermediate confining unit, which is a sequence of marine clays and discontinuous limestone stringers (Spechler, 1994).

The Floridan aquifer system is the principal source of groundwater for public drinking water in most of northeastern Florida. In the area of investigation, the system is comprised of (from youngest to oldest) the Ocala Formation, the Avon Park Formation, and the Oldsmar Limestone. The Hawthorn Group, a confining unit between the surficial aquifer system and Floridan aquifer system, unconformably overlies the Floridan aquifer (USDA, 1978).

1.4 POTABLE WATER WELL SURVEY

The potable water supply information presented in this report was obtained from the St. Johns River Water Management District on-line database system. Potable well information is summarized on Table 1-1. The locations of the potable wells are depicted on Figure 1-2.

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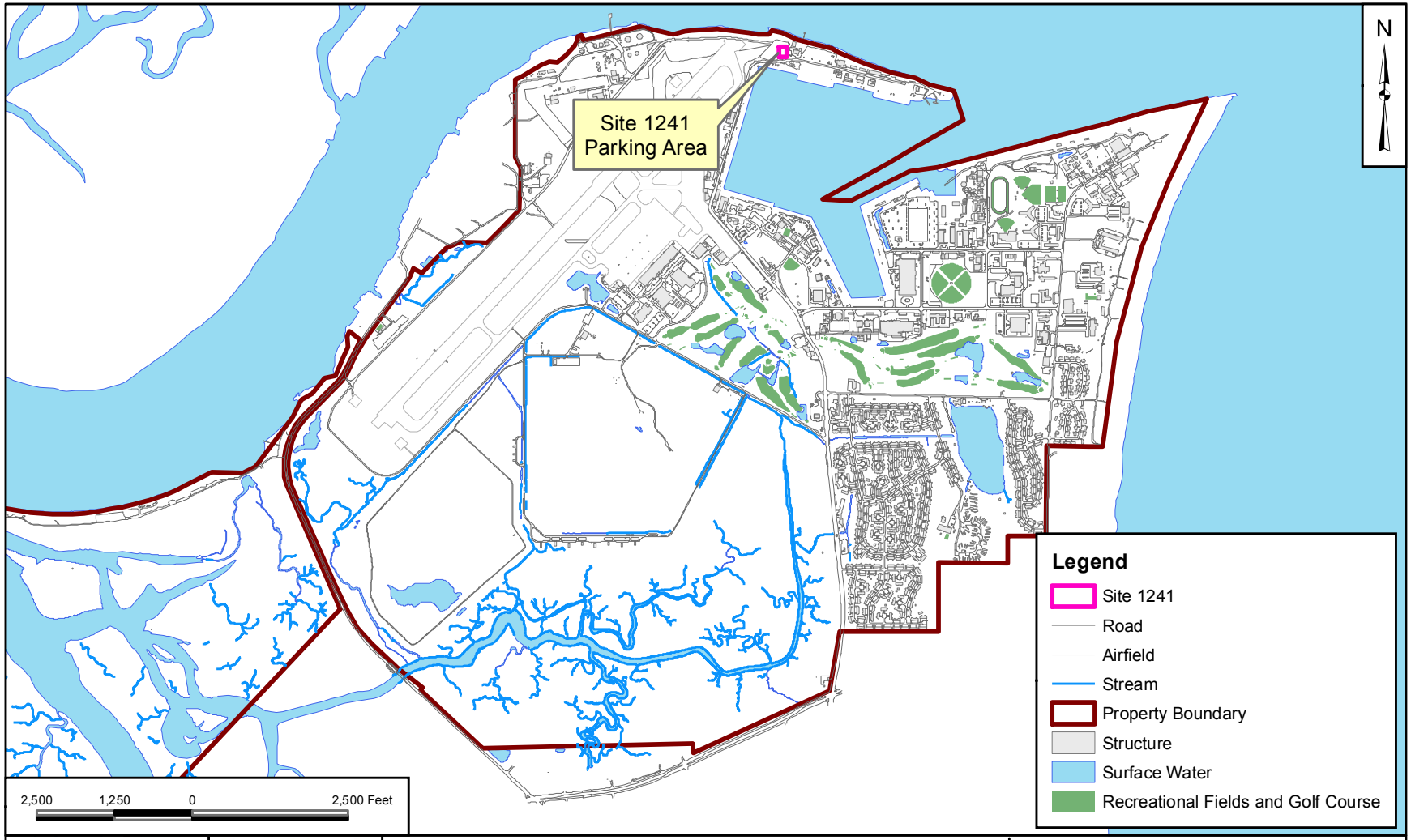

DRAWN BY J. MADDEN	DATE 02/13/13	SITE LOCATION MAP SITE 1241 - PARKING AREA SITE ASSESSMENT REPORT NAVAL STATION MAYPORT JACKSONVILLE, FLORIDA	CONTRACT NUMBER N69450-12-M-5084
CHECKED BY ___	DATE ___		APPROVED BY ___ DATE ___
COST/SCHEDULE-AREA			APPROVED BY ___ DATE ___
SCALE AS NOTED	NAVFAC		DRAWING NO. FIGURE 1-1 REV 0

Table 1-1
Potable Water Well Survey Results

Site Assessment Report, Site 1241 Parking Area
Naval Station Mayport
Jacksonville, Florida

Well Identification	Approximate Distance from Site (miles)	Diameter (inches)	Depth of Well (feet bls)	Status
1	0.47	16	982	Abandoned
AAH9336	0.55	Unknown	Unknown	Active
2	0.75	6	1200	Active
4	0.89	16	988	Active
AAH9337	0.93	Unknown	477	Active
AAi7094	0.97	2	Unknown	Active

Six active potable water supply wells are located within a 1-mile radius of the Site 1241 Parking Area. Potable water is supplied to the Huguenot Memorial Park by two wells: one is 477 feet deep, while the depth of the other well is unknown. Potable water is supplied to NAVSTA Mayport by four on-base supply wells, of which three are within the 1-mile radius. The closest active supply well, AAH9336, located approximately 0.47 mile to the northwest is a 2-inch polyvinyl chloride (PVC) well of unknown depth. On-base potable wells PW-1, PW-2, and PW-4 draw water from the Floridan aquifer with well capacities ranging between 7,200 and 2.5 million gallons per day (mgd) and have a combined total pumping capacity of approximately 6.2 mgd. The water is treated by the Base water treatment plant prior to distribution.

1.5 TOPOGRAPHY AND DRAINAGE

NAVSTA Mayport is located in the Southeastern Coastal Plain physiographic province. The topography is mostly low, gentle to flat, and composed of a series of ancient marine terraces. NAVSTA Mayport is located within the Silver Bluff Terrace. The average land surface elevation at NAVSTA Mayport is between 8 and 10 feet above mean sea level (USGS, 1992).

The Site 1241 Parking Area is slightly sloped from Maine Street to the north. The stormwater detention pond located north of the parking area abuts the area of investigation. According to the Custom Soil Resource Report for the Site 1241 Parking Area, obtained from the USDA Natural Resource Conservation Service (NRCS), the soil beneath the site is Urban Land (USDA, 2013). A copy of the NRCS report is provided in Appendix B.

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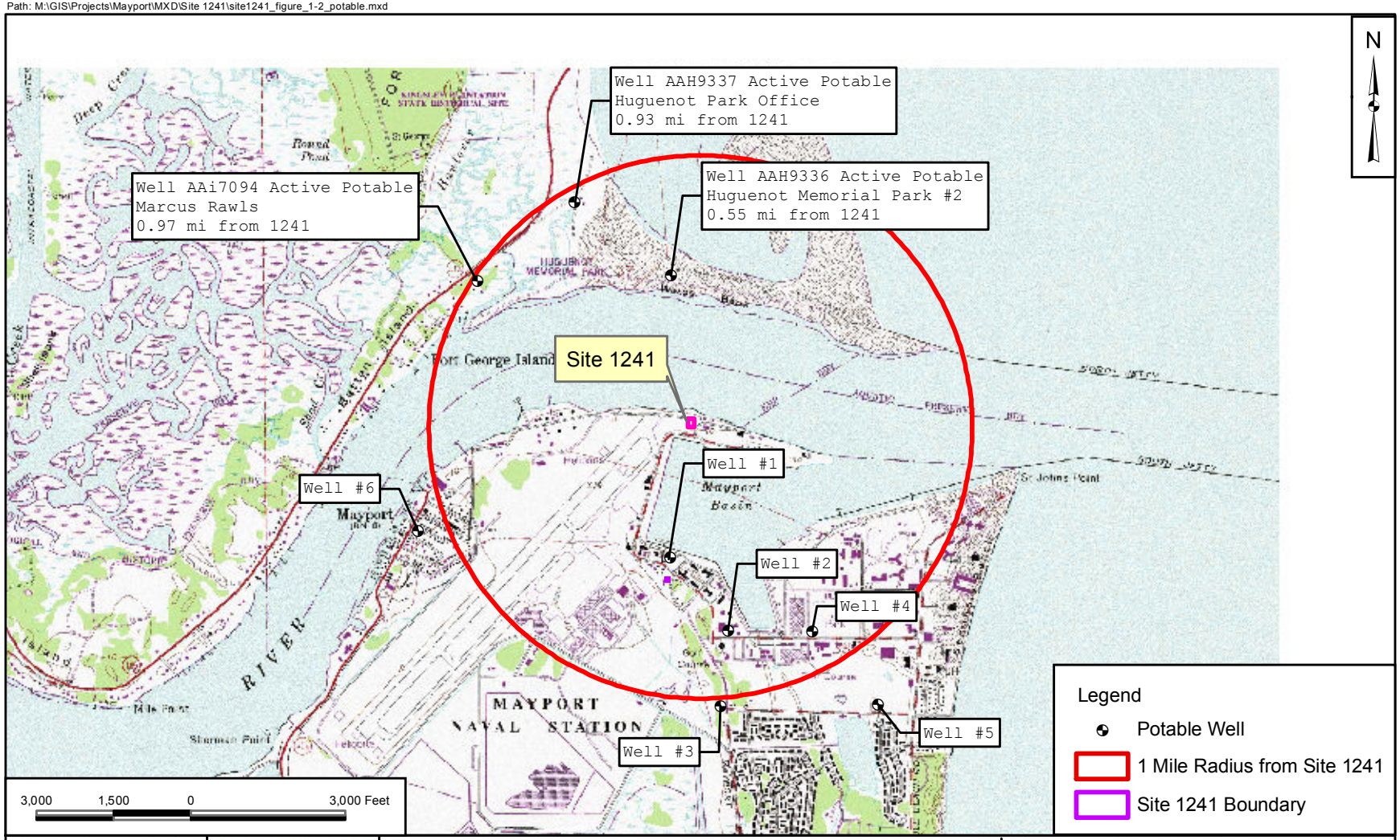

DRAWN BY	DATE			CONTRACT NUMBER
J. MADDEN	02/07/13		POTABLE WELL SURVEY MAP	N69450-12-M-5084
CHECKED BY	DATE		SITE 1241	APPROVED BY / DATE
COST/SCHEDULE-AREA			SITE ASSESSMENT REPORT	APPROVED BY / DATE
SCALE AS NOTED		NAVFAC	NAVAL STATION MAYPORT JACKSONVILLE, FLORIDA	DRAWING NO. FIGURE 1-2 / REV 0

The Site 1241 Parking Area is located in the northern portion of NAVSTA Mayport, adjacent to the St. Johns River as shown on Figure 1-1.

1.6 LAND USE IN SITE VICINITY

Land uses near the Site 1241 Parking Area consist of the stormwater detention pond and St. Johns River to the north, and flight operations and support to the west and southwest. The NAVSTA Mayport Steam Plant (Building 1241) is located east of the parking area, and the NAVSTA Mayport Turning Basin and Wharf B with ships and support operations are located south of the Site 1241 Parking Area. A Site and Vicinity Map depicting the Site 1241 Parking Area and its nearby surroundings is provided as Figure 1-3.

1.7 SITE DESCRIPTION

The Site 1241 Parking Area is across Patrol Road from Building 1241. The investigation area is the Oily Wastewater Force Main pipeline that runs under the parking lot. The investigation area is a relatively flat area of the Station located northwest of the intersection of Maine Street and Patrol Road, between the Mayport Turning Basin and the St. Johns River. A Site Map of the Site 1241 Parking Area is presented as Figure 1-4.

1.8 SITE HISTORY

A release of approximately 3,000 gallons of oily wastewater occurred on December 28, 2011, in the parking lot across from Building 1241. The cause of the release was determined to be from the force main transfer line that transports oily wastewater from ships to the Oily Wastewater Treatment Plant on the northern side of NAVSTA Mayport. Pumping from the ship was halted upon discovery of the release. The spill was contained, and the oily waste recovered by IAP-HILL. An emergency repair to pipeline was completed by IAP-HILL. The soil excavated to repair the pipeline was replaced into the excavation as fill. A copy of the Discharge Report Form, the post spill report, and photos are shown in Appendix C.

1.9 PURPOSE OF CURRENT INVESTIGATION

The objective of the SA was to assess the extent and magnitude of soil and/or groundwater contamination, if present, at the Site 1241 Parking Area. The data collected during the investigation was used to prepare this SAR as required by Chapter 62-770.600, Florida Administrative Code (F.A.C.). This SAR provides a characterization of site conditions from which to base future courses of action.

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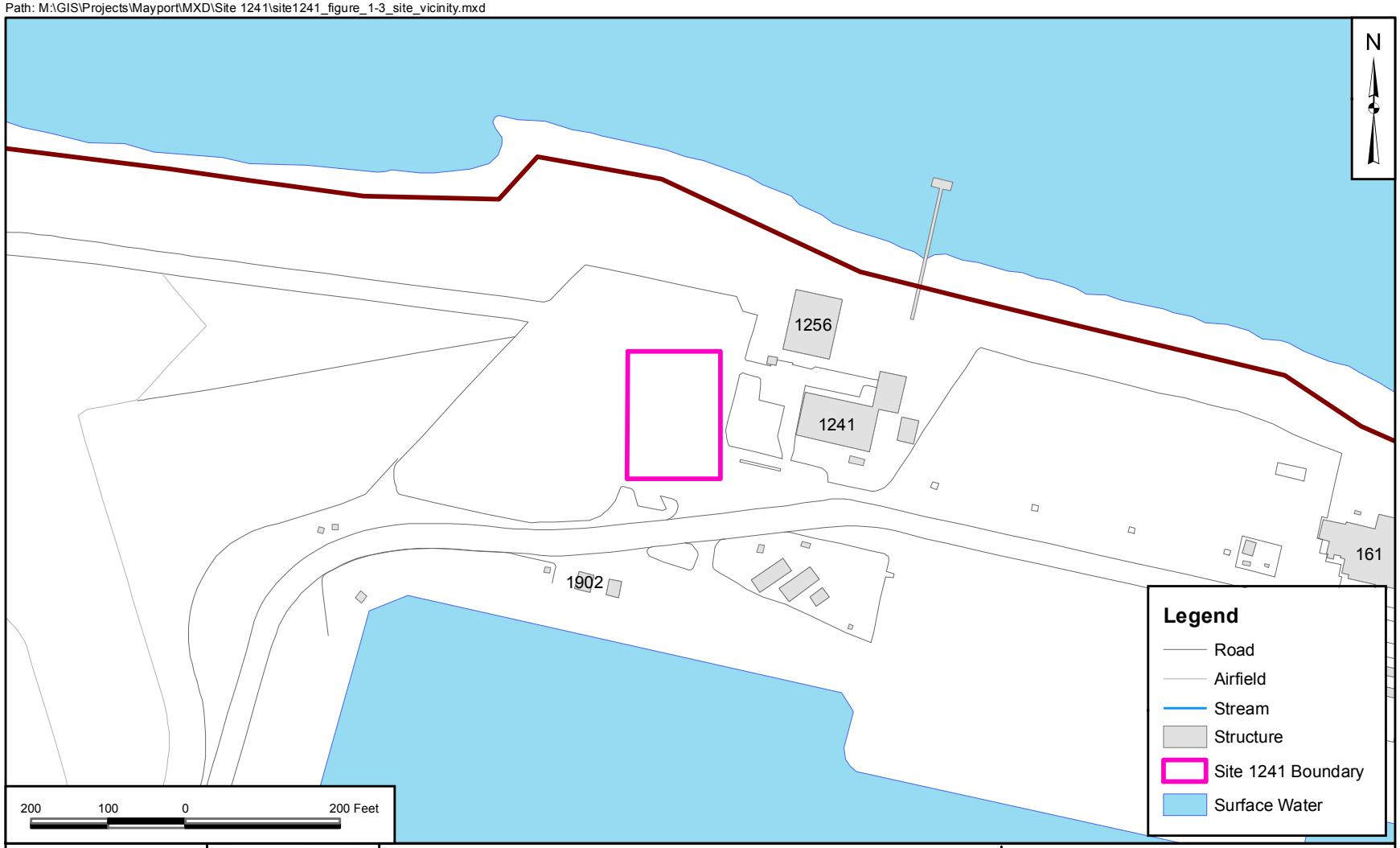

DRAWN BY J. MADDEN	DATE 02/13/13	SITE AND VICINITY MAP SITE 1241 - PARKING AREA SITE ASSESSMENT REPORT NAVAL STATION MAYPORT JACKSONVILLE, FLORIDA	CONTRACT NUMBER N69450-12-M-5084
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DRAWN BY J. MADDEN	DATE 02/13/13	SITE MAP SITE 1241 - PARKING AREA SITE ASSESSMENT REPORT NAVAL STATION MAYPORT JACKSONVILLE, FLORIDA	CONTRACT NUMBER N69450-12-M-5084
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COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. FIGURE 1-4 REV 0

2.0 SUBSURFACE INVESTIGATION METHODS

2.1 QUALITY ASSURANCE

The site investigation was conducted in general accordance with the Florida Department of Environmental Protection (FDEP)-approved Standard Operating Procedures (SOPs) DEP-001/01; United States Environmental Protection Agency (USEPA) Field Branches Quality System and Technical Procedures, dated November 1, 2007, Section 2.21 (USEPA, 2007); and FDEP SOPs 001/01: FS3000: *Soil Sampling* and FS1000: *General Sampling Procedures* (FDEP, 2008).

2.2 ASSESSMENT STRATEGY

For the purpose of this investigation, impacts to the soil and groundwater from the Oily Wastewater Pipeline were considered “sole source” requiring analysis of three soil samples collected from locations representing low, medium, and high field screening responses (Chapter 62-770.600(3)(e), F.A.C.). Soil was assessed at the site in two phases: a screening phase (Phase I) in which soil grab samples were collected by hand auger methods and field screened with an organic vapor analyzer (OVA) equipped with a flame ionization detector (FID). So46il grab samples were collected from the location with the highest FID reading, and a temporary monitoring well was installed using a hand auger for a groundwater sample. The second phase (Phase II) consisted of collecting additional soil grab samples to delineate the area of contamination. A permanent monitoring well was installed and an additional groundwater sample was collected. Soil samples were selected for laboratory analysis based on the screening results and a groundwater sample was collected from the well. Samples were analyzed for the constituents listed in the used oil parameters in accordance with Table C in Chapter 62-770, F.A.C., at a FDEP-approved fixed-base laboratory.

At the time of the release, the oily wastewater flowed through the stormwater culvert and piping to the stormwater detention pond for the parking lot and Patrol Road. TriEco consulted with the FDEP regarding the possibility of interfering contaminants from parking lot and road runoff. It was determined the stormwater detention pond would not require sampling for the oily wastewater release unless the Phase I sample results indicated impact to the soil and groundwater that would suggest impact to the stormwater pond (Fears, 2012).

The soil and groundwater investigation derived waste (IDW) was characterized for disposal using the analytical results from the collected soil samples, which included the volatile organic halocarbons and total metals (arsenic, cadmium, chromium, and lead) per Chapter 62-713, F.A.C.

2.3 DETERMINATION OF GROUNDWATER GRADIENT

Three existing monitoring wells and one temporary piezometer were used to verify the direction of groundwater flow at this site. Monitoring well MPT-Rnwy23-MW01S was designated as PZ-A. An unlabeled, but viable, monitoring well was located in the middle of the small parking lot between the Site 1241 Parking Area and the stormwater pond next to the St. Johns River, and was designated as PZ-B. The third monitoring well, MPT-11-MW03S, was designated as PZ-C. The piezometer (PZ-D) was installed using hand auger on December 11, 2012, and was constructed with sufficient screen interval to bracket the water table and penetrate at least 5 feet into the static water table. The newly installed piezometer was designated as PZ-D. The top-of-casing (TOC) elevation for each piezometer was surveyed in reference to an on-site arbitrary benchmark with an assigned elevation of 20 feet. The vertical elevation of each piezometer casing was surveyed to the nearest 0.01 foot using standard rod and transit survey methods. Depth-to-water was measured from the TOC of each piezometer using an electronic water level indicator. The relative water table elevation at each location is calculated by subtracting the depth-to-water measurement from the surveyed TOC elevation. All data was recorded in the appropriate site-specific field logbook and on groundwater level measurement field forms, which are included as Appendix D. Depth to groundwater measurements, gradient, and flow direction are discussed in Sections 3.1.2 and 3.1.3.

2.4 PHASE I SOIL ASSESSMENT METHODS

2.4.1 Soil Borings

Locations of three soil borings completed during the Phase I assessment are shown on Figure 2-1. Soil borings were advanced to a depth of 5 feet bls using an stainless steel, 3-inch inside diameter hand auger assembly for the purpose of locating utilities and collecting soil screening samples.

2.4.2 Field Screening Procedures

Soil samples were collected from each of the three locations at depths of 0 to 1 foot, 1 to 2 feet, 2 to 3 feet, 3 to 4 feet and 4 to 5 feet bls, for a total of 15 samples. Samples collected above the water table were screened in the field using an OVA equipped with a FID. Soil vapor analyses were performed in accordance with the headspace screening method described in Chapter 62-770.200 (2), F.A.C. Results of the soil vapor screening survey conducted at the Site 1241 Parking Area are discussed in Section 3.2. FID data is presented in Table 2-1.

During field soil sampling, field observations were conducted to assist in the determination of the presence or absence of petroleum. Although the depth of the Oily Wastewater Pipeline was reported to

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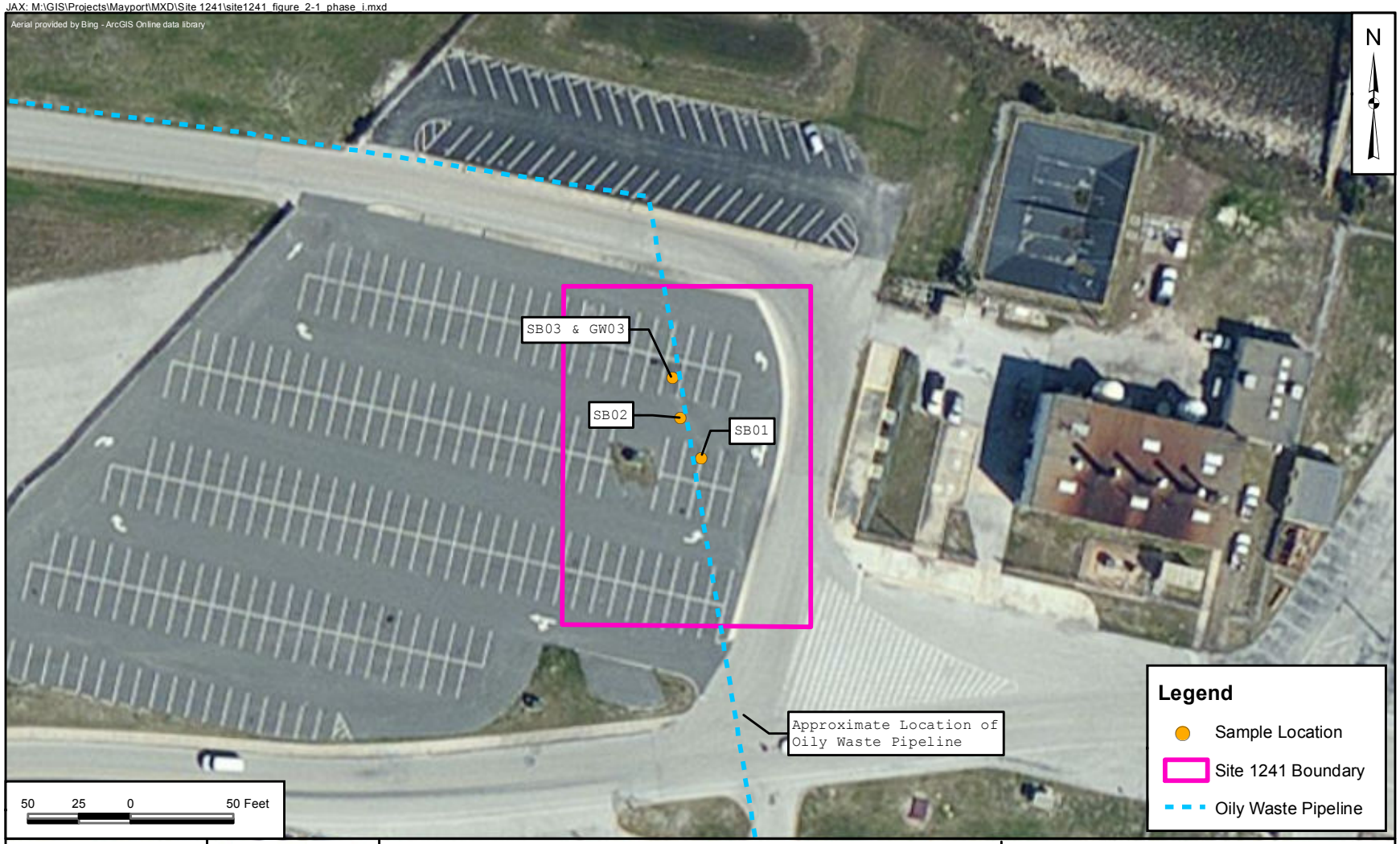

DRAWN BY J. MADDEN	DATE 02/13/13	PHASE I SAMPLE LOCATIONS SITE 1241 - PARKING AREA SITE ASSESSMENT REPORT NAVAL STATION MAYPORT JACKSONVILLE, FLORIDA	CONTRACT NUMBER N69450-12-M-5084
CHECKED BY —	DATE —		APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED	NAVFAC		DRAWING NO. FIGURE 2-1 REV 0

be 3 to 4 feet bls, soil that was removed to repair the pipeline was returned to the excavation without treatment.

Table 2-1
FID Data Collected 11/27/2012

Site Assessment Report, Site 1241 Parking Area
Naval Station Mayport
Jacksonville, Florida

FID Depth (feet)	Soil Boring MPT-1241-01		Soil Boring MPT-1241-02		Soil Boring MPT-1241-03	
	Unfiltered	Filtered	Unfiltered	Filtered	Unfiltered	Filtered
0 to 1	0.0	N/A	0.0	N/A	0.0	0.0
1 to 2	0.0*	N/A	0.0*	N/A	9.1	0.0
2 to 3	0.0*	N/A	0.0*	N/A	12.9	0.0
3 to 4	0.0	N/A	0.0	N/A	9.7	0.0
4 to 5	0.0	N/A	0.0**	N/A	12.2**	0.0

Notes:
N/A = not applicable
* - Strong odor
** - Groundwater encountered at approx. 4.9 feet bls.

2.4.3 Soil Sampling Strategy for Laboratory Analysis

Based on the initial assessment (Phase I), three soil samples were submitted to a fixed-base laboratory, ALS Environmental, Inc. (ALS) of Jacksonville, Florida, for analysis of used oil constituents. Used oil constituents listed in Table C of Chapter 62-770, F.A.C., include volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), polychlorinated biphenyls (PCBs), metals (arsenic, cadmium, chromium, and lead), and total recoverable petroleum hydrocarbons (TRPH). Soil samples submitted for fixed-base laboratory analysis are typically based on field screening results. Unfiltered FID readings at MPT-1241-SB03 were observed. The basis for the sample collection was then determined on possible location of contaminant release. Soil samples MPT-1241-SB03-0102-112812 and MPT-1241-SB03-0405-112812 were collected adjacent to the oily wastewater pipeline. The unfiltered FID analysis had detectable readings at location MPT-1241-SB03 at the depths of the collected samples. Soil sample MPT-1241-SB02-0102-112812 was collected in the area adjacent to the repaired oily wastewater pipeline.

2.5 PHASE I GROUNDWATER ASSESSMENT METHODS

One temporary shallow monitoring well (MPT-1241-GW03) was installed at MPT-1241-SB03 on November 28, 2011. The temporary well location, as shown on Figure 2-1, was selected based upon FID results and on the area determined to be most likely impacted by the release.

2.5.1 Temporary Monitoring Well Construction and Development

The temporary well was advanced by hand auger to a total depth of 11 feet bls and was constructed with 1-inch diameter, 0.010-inch mill slotted Schedule 40 PVC screen. The annular space was filled with 20/30 filter sand to land surface. The monitoring well was developed using a peristaltic pump until produced water was virtually clear. All development water was containerized for disposal in a 250-gallon tote at the NAVSTA Mayport IDW storage area.

2.5.2 Temporary Monitoring Well Groundwater Sampling

A groundwater sample was collected from the newly installed shallow temporary well on November 28, 2012. Groundwater sampling was conducted in general accordance with FDEP SOPs. A minimum one well volume was pumped from the well (partially submerged screen) using a peristaltic pump and the low flow quiescent purging method. The sample collection tubing was adjusted to remain approximately 1 foot below the top of the water column. 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 a YSI 556 instrument. Turbidity was measured using a Micro TPW turbidimeter.

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

- Temperature $\pm$ 0.2 degree Celsius (^{o}C)
- pH $\pm$ 0.2 Standard Unit
- Specific conductivity $\pm$ 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 Turbidity Units

Groundwater sampling logs and low flow purge sheets compiled during purging and sampling are provided in the field notes in Appendix D.

After collection, samples were immediately placed on ice and delivered to ALS in Jacksonville, Florida under proper chain-of-custody and preservation (4 ^{o}C) protocol. Samples were analyzed for VOCs using USEPA Method 8260, SVOCs and PCBs using USEPA Method 8270, metals (arsenic, cadmium, chromium, and lead) using USEPA Method 6010, and TRPH using the Florida Residual Petroleum Organic (FL-PRO) method.

2.6 PHASE II SOIL ASSESSMENT METHODS

2.6.1 Soil Borings

Locations of five additional soil borings completed during the Phase II assessment are shown on Figure 2-2. Soil borings were advanced to a depth of 7 feet bls using an stainless steel, 3-inch inside diameter hand auger assembly for the purpose of locating utilities and collecting soil screening samples.

2.6.2 Soil Sampling Strategy for Laboratory Analysis

One soil sample (MPT-1241-SS02-0103) collected during the Phase I assessment exceeded the residential TRPH Soil Cleanup Target Level (SCTL) of 460 milligrams per kilogram (mg/kg), and the industrial SCTL of 2,700 mg/kg with a result of 2,970 mg/kg. Per Chapter 62-770.600(4)(f)3., F.A.C., the sample was analyzed for TRPH fractions using one of the sub-classification methodologies described in the *Technical Report: Development of Cleanup Target Levels (CTLs) for Chapter 62-777, F.A.C.* (*Technical Report*), and the results were compared with the alternative SCTLs for TRPH established in the *Technical Report* (Center for Environmental and Human Toxicology, 2005). The sample results did not exceed the SCTLs of the TRPH fractions identified in the *Technical Report*. Additional soil samples were collected from that location at deeper intervals, as well as from four additional locations, as shown on Figure 2-2. Sample locations were chosen to evaluate the potential extent of impacts to soil, both areal and depth.

A total of 15 soil samples were submitted to a fixed-base laboratory, ALS of Jacksonville, Florida and were analyzed for TRPH using the FL-PRO method and polynuclear aromatic hydrocarbons (PAHs)-Select Ion Method (SIM) using USEPA Method 8270 Five soil samples were analyzed for TRPH using the FL-PRO method and SVOCs using USEPA Method 8270 to determine the areal extent of TRPH impact.

2.7 PHASE II GROUNDWATER ASSESSMENT METHODS

2.7.1 Permanent Monitoring Well

One permanent shallow monitoring well (MPT-1241-GW07) was installed at MPT-1241-SB02 by Preferred Drilling Solutions, Inc., under TriEco supervision on December 20, 2012. Groundwater sampling in the Phase I event did not identify groundwater contamination downgradient from the release, so the monitoring well location, as shown on Figure 2-2, was selected based upon analytical results of the soil sampling and proximity to the initial release.

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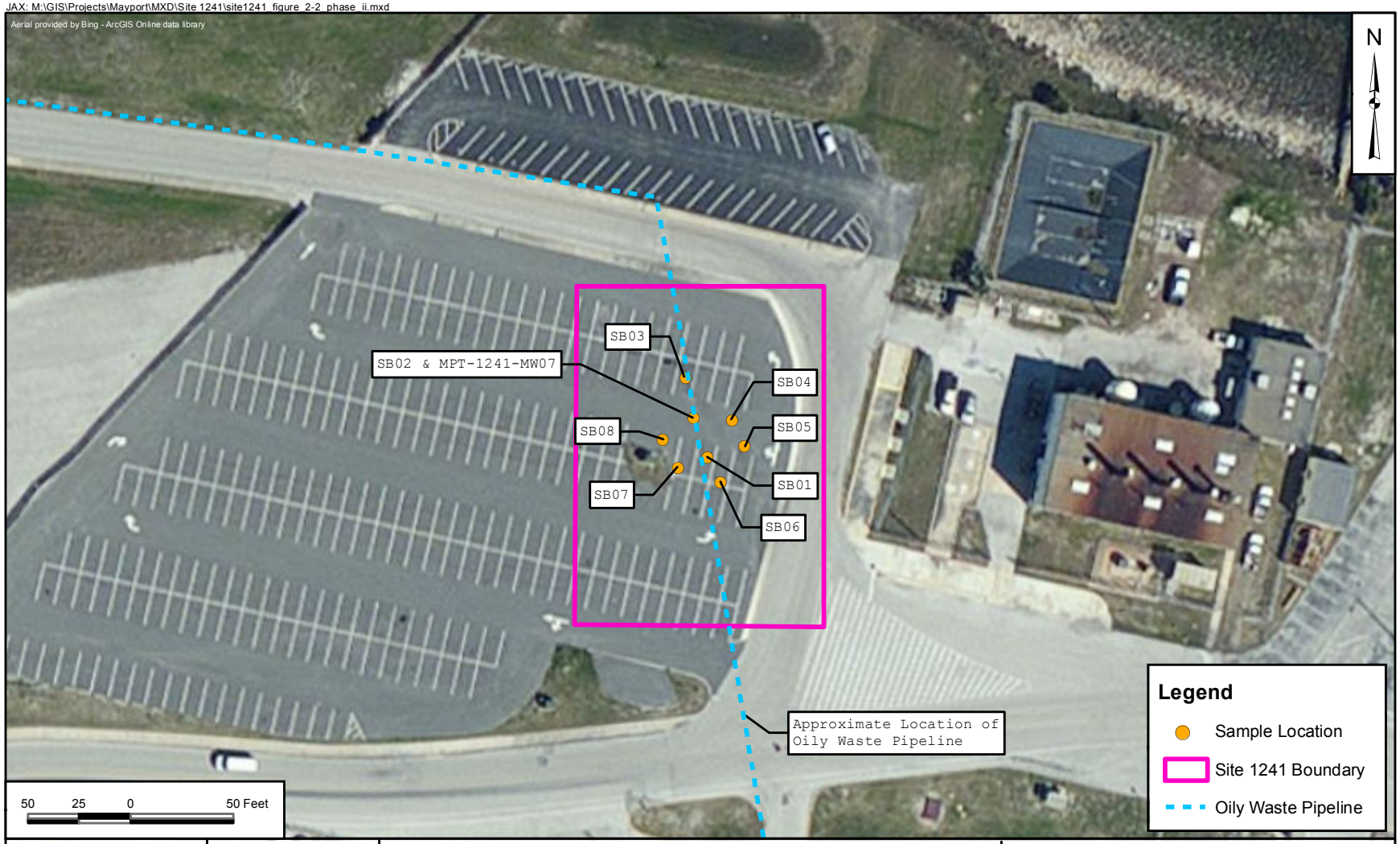

DRAWN BY J. MADDEN	DATE 02/13/13	PHASE II SAMPLE LOCATIONS SITE 1241 - PARKING AREA SITE ASSESSMENT REPORT NAVAL STATION MAYPORT JACKSONVILLE, FLORIDA	CONTRACT NUMBER N69450-12-M-5084
CHECKED BY —	DATE —		APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED	NAVFAC		DRAWING NO. FIGURE 2-2 REV 0

2.7.1.1 Drilling Method

The well location was cleared of utilities per the excavation permit obtained from Public Works. The temporary well was advanced by hand auger to 7 feet bls prior to advancement of direct push technology (DPT) boring. Monitoring well MPT-1241-MW07 was installed via DPT though advancement of a 3.5-inch diameter drop-tip casing to the desired depth. No drill cuttings were generated using the DPT drill rig.

2.7.1.2 Construction and Development

Monitoring well MPT-1241-MW07 was advanced to a total depth of 18 feet bls and was constructed with 10 feet of 1-inch diameter, 0.010-inch mill slotted SCH 40 PVC incased in a 20/30-grade silica sand Pre-Pack filter, threaded to 8.0 feet of solid riser. A 30/65 sand seal extends above the well screen, followed by Type I Portland cement to just below grade. Surface completion consists of an 8-inch diameter steel manhole equipped with a bolt-down cover, secured in place within a 2-foot square, 6-inch thick concrete pad. A locking, expansible gasket cap was inserted at the top of the PVC casing after well installation. A schematic diagram showing details of a typical monitoring well design is provided as Figure 2-3. The boring log for MPT-1241-MW07 is provided in Appendix D. The monitoring well was developed using a peristaltic pump until produced water was virtually clear. All development water was containerized for disposal in a 250-gallon tote at NAVSTA Mayport IDW storage area.

2.7.1.3 Groundwater Sampling

Groundwater samples were collected from the newly installed shallow temporary well on January 2, 2013. Groundwater sampling was conducted in general accordance with FDEP SOPs. A minimum one well volume was pumped from the well (partially submerged screen) using a peristaltic pump and the low flow quiescent purging method. The sample collection tubing was adjusted to remain approximately 1 foot below the top of the water column. 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 a YSI 556 instrument. Turbidity was measured using a Micro TPW turbidimeter.

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

- Temperature $\pm$ 0.2 degree Celsius (^{o}C)
- pH $\pm$ 0.2 Standard Unit
- Specific conductivity $\pm$ 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 Turbidity Units

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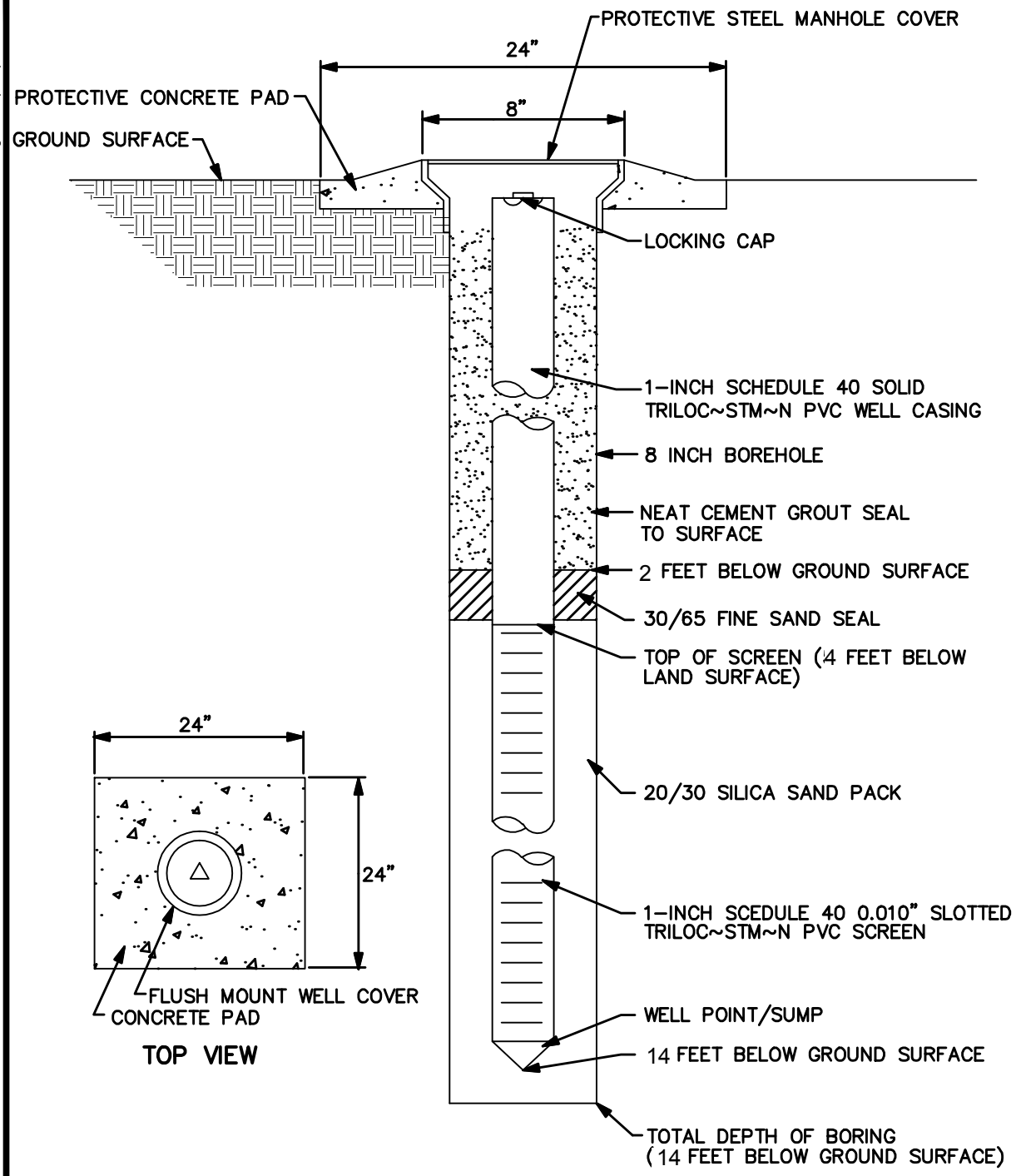

DRAWN BY MF DATE 11/11/08	NAVFAC	TYPICAL SHALLOW MONITORING WELL DESIGN SITE 1241 PARKING AREA SITE ASSESSMENT REPORT NAVAL STATION MAYPORT JACKSONVILLE, FLORIDA	CONTRACT NO. N69450-12-M-5084
CHECKED BY DF DATE 2/12/13			OWNER NO. 0000
REVISED BY DATE			APPROVED BY DATE
SCALE AS NOTED			DRAWING NO. FIGURE 2-3 REV. 0

FORM CADD NO. SDIV-AV.DWG – REV 1 – 9/10/98

Groundwater sampling logs and low flow purge sheets compiled during purging and sampling are provided in the field notes in Appendix D.

After collection, samples were immediately placed on ice and delivered to ALS in Jacksonville, Florida under proper chain-of-custody and preservation (4 ^{o}C) protocol. Samples were analyzed for SVOCs and PAHs-SIM using USEPA Method 8270.

3.0 RESULTS OF INVESTIGATION

3.1 SITE GEOLOGY AND HYDROGEOLOGY

3.1.1 Lithology

Information regarding the soil beneath the Site 1241 Parking Area was obtained during soil sampling and temporary well installation on November 28, 2012, and consists of fine grain marine quartz sands with shell fragments to the maximum depth augered.

3.1.2 Groundwater Flow Direction

The direction of groundwater flow in the surficial aquifer underlying the site is to the north. The depth to water table elevation values were collected at the following three times: December 11, 2012, at 1300; December 12, 2012, at 0800; and December 13, 2012, at 0600. The three sets of measurements are presented in Table 3-1, and equipotential contour lines have been added to depict groundwater flow direction in Figure 3-1.

Table 3-1
Water Table Elevation Data

Site Assessment Report, Site 1241 Parking Area
Naval Station Mayport
Jacksonville, Florida

Piezometer Identification Number MPT-1241-	Total Well Depth (feet)	TOC Elevation (feet)	12/11/2012 1300		12/12/2012 0800		12/13/2012 0600	
			Depth to Water Below TOC (feet)	Water Table Elevation (feet)	Depth to Water Below TOC (feet)	Water Table Elevation (feet)	Depth to Water Below TOC (feet)	Water Table Elevation (feet)
A	18.55	17.34	12.57	4.77	12.26	5.08	12.23	5.11
B	15.99	14.71	9.76	4.95	9.72	4.99	19.60	5.11
C	17.00	13.18	8.49	4.69	7.95	5.23	7.86	5.32
D	14.95	18.98	13.77	5.21	12.78	6.20	10.40	8.58

Notes:
TOC measurements were surveyed relative to each other and not the elevation above mean sea level.
All depth to water measurements may be subject to tidal influences.

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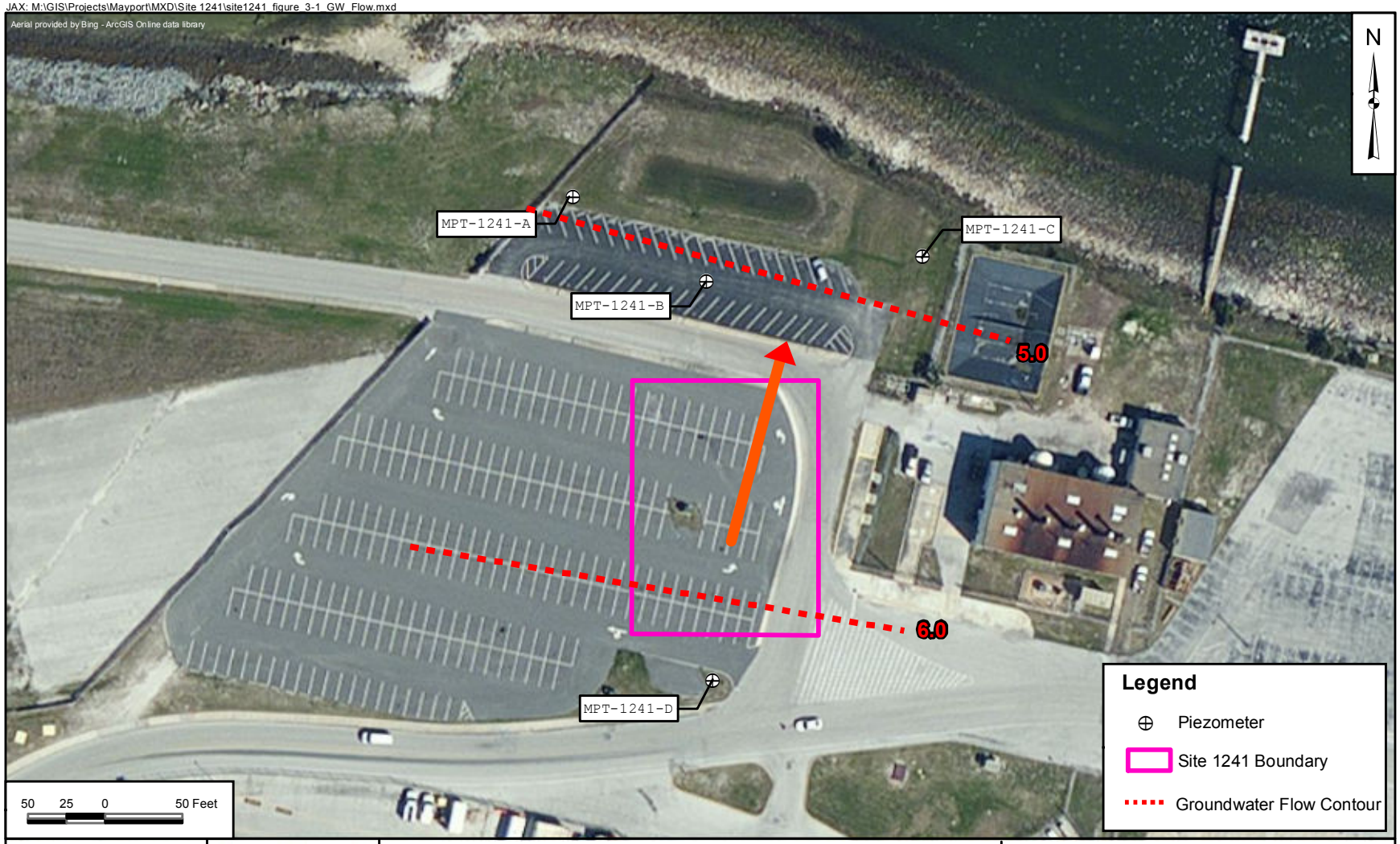

DRAWN BY J. MADDEN	DATE 02/13/13	GROUNDWATER FLOW SITE 1241 - PARKING AREA SITE ASSESSMENT REPORT NAVAL STATION MAYPORT JACKSONVILLE, FLORIDA	CONTRACT NUMBER N69450-12-M-5084
CHECKED BY	DATE		APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED	NAVFAC		DRAWING NO. FIGURE 3-1 REV 0

3.1.3 Aquifer Classification and Characteristics

The State of Florida classifies the surficial aquifer underlying the site as G-II, although many areas of NAVSTA Mayport have been determined to be G-III (non-potable). According to the custom soil resource report for the Site 1241 Parking Area, the average hydraulic conductivity of the surficial aquifer beneath the site is approximately 70.0 feet per day (USDA, 2013).

The horizontal hydraulic gradient across the site was evaluated from water level data listed in Table 3-1 and shown on Figure 3-1. The horizontal hydraulic gradient beneath the site was determined to be 0.0025 foot per foot.

Based on information provided by Driscoll (Driscoll, 1986) and on lithologic descriptions of material encountered during the current investigation, the effective porosity of surficial aquifer sediments was estimated to be 0.30.

Using Darcy's Law, the groundwater velocity at the site was calculated.

Darcy's Law may be expressed as follows:

$$V = \frac{(K \times I)}{n}$$

where: V = average seepage velocity
K = hydraulic conductivity
n = effective porosity
I = average hydraulic gradient

Using the average hydraulic conductivity of 70.0 feet per day, a hydraulic gradient of 0.0025 foot per foot, an inferred effective porosity value of 0.30, and Darcy's law, the groundwater seepage velocity across the site was calculated at 0.58 foot per day.

3.2 SOIL SCREENING RESULTS

Soil vapor screening methods and sampling locations for headspace analyses are discussed in Section 2.4.1. Fifteen samples were screened for organic vapors, five each from MPT-1241-SB01, MPT-1241-SB02, and MPT-1241-SB03. One location, MPT-1241-SB03, produced an unfiltered instrument response at a concentration of 9.1 parts per million (ppm) at the 1- to 2-foot depth, 12.9 ppm at the 2- to 3-foot depth, 9.7 ppm at the 3- to 4-foot depth and 12.2 ppm at the 4- to 5-foot depth. No other detections were documented. The screening locations are shown on Figure 2-1.

3.3 PHASE I SOIL SAMPLE ANALYTICAL RESULTS

Soil samples MPT-1241-SB03-0102-112812, MPT-1241-SB03-0405-112812, and MPT-1241-SB02-0102-112812 were submitted to ALS for VOC, SVOC, PCB, metals (arsenic, cadmium, chromium, and lead), PAH, and TRPH analyses. These samples were collected from the sample interval of 1 to 2 feet bls at MPT-1241-SB02 and MPT-1241-SB03 and 4 to 5 feet bls at MPT-1241-SB03. Petroleum odor was observed, but no evidence of stained soil was identified during the soil sampling event. Detected concentrations reported by the laboratory are listed in Table 3-2. The laboratory report submitted by ALS is provided as Appendix E.

Table 3-2
Phase I Laboratory Soil Analytical Detection Results

Site Assessment Report, Site 1241 Parking Area
Naval Station Mayport
Jacksonville, Florida

Compound	FDEP SCTL (mg/kg)			Sample Identification and Sample Date		
				MPT-1241-SS03-0102-112812	MPT-1241-SB03-0405-112812	MPT-1241-SB02-0102-112812
	Residential	Industrial	Leachability	11/28/2012	11/28/2012	11/28/2012
VOCs (USEPA Method 8260) (µg/kg)						
Acetone	11,000,000	68,000,000	25,000	13.4 I		13.4 I
Methylene chloride	17,000	26,000	20	1.60 IV	4.75 IV	2.31 IV
Toluene	7,500,000	60,000,000	500	U	0.389 I	U
SVOCs (USEPA Method 8270) (µg/kg)						
Bis(2-ethylhexyl)phthalate	72,000	390,000	3,600,000	U	U	166 I
Pyrene	2,400,000	45,000,000	880,000	U	U	644
PCBs (USEPA Method 8082) (µg/kg)						
Aroclor 1260	500	2,600	17,000	U	U	13.4 I
Petroleum Hydrocarbons (FL-PRO) (mg/kg)						
TRPH (C8-C40)	460	2,700	340	U	220	**2970**
Metals (6010B) (mg/kg)						
Arsenic	2.1	12	N/A	0.88	1.40	0.81
Cadmium	82	1,700	7.5	U	U	U
Chromium	210	470	38	1.36	4.83	3.82
Lead	400	1,400	N/A	0.68	8.04	4.63

Notes:
µg/kg = microgram per kilogram
mg/kg = milligram per kilogram
Bold values are in excess of SCTLs per Chapter 62-777, F.A.C. (2005)
N/A = Not Applicable
I = reported value between the laboratory method detection limit and the laboratory Practical Quantification Limit (PQL)
V = analyte detected in the associated method blank
U = non-detected value

Sample MPT-1241-SB02-0102-112812 exceeded residential, industrial and leachability TRPH SCTLs. The SCTLs for TRPH were promulgated in Chapter 62-777, F.A.C. for the carbon chain C^8 - C^{12}. Different carbon-chained hydrocarbons impact human health and the environment differently than this range, and Chapter 62-770.600, F.A.C. allows soil impacted with TRPH to be further analyzed using methodology outlined in the *Technical Report* (Center for Environmental and Human Toxicology, University of Florida, 2005). The soil sample was submitted to SunLab, Inc. in Tampa, Florida by ALS to determine the TRPH fractions per Chapter 62-770.600, F.A.C. The laboratory results of the TRPH fractions were compared to the SCTLs developed by the Total Petroleum Hydrocarbon Criteria Working Group (TPHCWG) (Center for Environmental and Human Toxicology, University of Florida, 2005). None of the TRPH fractions exceeded the calculated SCTLs as shown in Table 3-3.

Table 3-3
Laboratory TRPH Fractionation Results

Site Assessment Report, Site 1241 Parking Area
Naval Station Mayport
Jacksonville, Florida

Compound	SCTL (mg/kg)[1]			Sample Identification and Sample Date
	TPHCWG Residential	TPHCWG Industrial	TPHCWG Leachability[a]	MPT-1241-SS02-0102-112812 11/28/2012
C5-C7	340	1800	34	U
>C7-C8	490	3700	59	U
>C8-C10	460	2700	340	U
>C10-C12	900	5900	520	U
>C12-C16	1500	12000	1000	270
>C16 -C21	1300	11000	3200	320
>C21 -C35	2300	40000	25000	53 I
C5-C6	6200	33000	470	U
>C6-C8	8700	46000	1300	U
>C8-C10	850	4800	7000	U
>C10-C12	1700	10000	51000	U
>C12-C16	2900	21000	*	680
>C16-C35	42000	280000	*	640

Notes:
1 - Table C-5 (Center for Environmental and Human Toxicology, University of Florida, 2005)
[a] Based on the acceptable concentration of 5000 micrograms per liter (µg/L) for groundwater and surface waters.
* Not a health concern for this exposure scenario.
I = reported value between the laboratory method detection limit and the laboratory PQL
U = non-detected value

3.4 PHASE II SOIL SAMPLE ANALYTICAL RESULTS

Soil Borings

Fifteen soil samples from five additional borings were analyzed for TRPH using the FL-PRO method and PAH-SIMs using USEPA Method 8270, and five were analyzed for TRPH using the FL-PRO method and SVOCs using USEPA Method 8270. The samples were collected at intervals from 1 to 3, 3 to 5, and 5 to

7 feet bls. The force main is located approximately 3 to 4 feet bls, and up to 1 foot at each location was asphalt and roadbed material. Detected concentrations reported by the laboratory are listed in Table 3-4. The laboratory report submitted by ALS is provided as Appendix E. No SCTL exceedances were documented.

3.5 GROUNDWATER ANALYTICAL RESULTS

The only detected constituent reported by the laboratory was arsenic at 7 µg/L from the Phase I temporary well MPT-1241-GW03, which is below the GCTL of 10 µg/L. The groundwater sample was collected from the temporary monitoring well MPT-1241-GW03 on November 28, 2012, concurrent with the Phase I soil sampling and sampling efforts at Site 1241. All Phase I samples were collected and submitted to ALs for analysis using a single chain-of-custody. As a result, the laboratory analytical results for both sites are presented in one combined report.

A second groundwater sample was collected from monitoring well MPT-1241-MW07 on January 2, 2013, and submitted to ALS. The results for groundwater samples collected from MPT-1241-GW01 did not identify exceedances beyond laboratory method detection limits. The analytical reports by ALS are presented in Appendix D.

Table 3-4
Phase II Laboratory Soil Analytical Detection Results

Site Assessment Report, Site 1241 Parking Lot
Naval Station Mayport
Jacksonville, Florida

Compound	FDEP SCTL (mg/kg)			Sample Identification and Sample Date							
				MPT-1241-SB01-0103-121212	MPT-1241-SB01-0305-121212	MPT-1241-SB01-0507-121212	MPT-1241-SB01-0507-121212	MPT-1241-SB02-0507-121212	MPT-1241-SB04-0507-121212	MPT-1241-SB04-0507-121212	MPT-1241-SB04-0507-121212
	Residential	Industrial	Leachability	12/12/2012	12/12/2012	12/12/2012	12/12/2012	12/12/2012	12/12/2012	12/12/2012	12/12/2012
SVOCs (USEPA Method 8270) (µg/kg)											
Bis(2-ethylhexyl)phthalate	72,000	390,000	3,600,000	164I	3020	U	U	U	U	U	U
PAHs-SIM (USEPA Method 8270) (µg/kg)											
Acenaphthene	2,400,000	20,000,000	2,100	U	U	U	U	U	U	U	3.35 I
Anthracene	21,000,000	300M	2,500,000	U	U	U	U	U	U	U	7.03
Fluoranthene	3,200,000	59,000,000	1,200,000	U	U	U	U	U	U	U	4.98
Fluorene	2,600,000	3,300,000	160,000	U	U	U	U	U	U	U	9.37
Phenanthrene	2,200,000	36,000,000	250,000	U	U	U	U	U	14.5	U	31.3
Pyrene	2,400,000	45,000,000	880,000	U	U	U	U	U	U	U	U
Petroleum Hydrocarbons (FL-PRO) (mg/kg)											
TRPH (C8-C40)	460	2,700	340	285	50	64.9	40.1	46.0	U	2.54 I	U

Notes:
No values are in excess of SCTLs per Chapter 62-777, F.A.C. (2005).
I = reported value between the laboratory detection limit and the laboratory PQL
U – non-detected value

4.0 SUMMARY

A release of approximately 3,000 gallons of oily wastewater occurred on December 28, 2011, in the parking lot across from Building 1241. The cause of the release was determined to be from the force main transfer line that transports oily wastewater from ships to the Oily Wastewater Treatment Plant on the northern side of NAVSTA Mayport. Pumping from the ship was halted upon discovery of the release. The spill was contained and the oily waste recovered by IAP-HILL. An emergency repair to pipeline was completed by IAP-HILL. The soil excavated to repair the pipeline was replaced into the excavation as fill. The focus of this investigation was centered on the soil and groundwater surrounding the oily wastewater force main release site.

TriEco conducted a SA at the Site 1241 Parking Area in which three soil sample locations were screened with an OVA/FID for organic vapor content. Confirmatory soil and groundwater samples were submitted to a fixed-base laboratory to verify the preliminary findings. Groundwater samples were obtained through installation and groundwater sampling of a temporary monitoring well MPT-1241-GW03. The analytical results for the Phase I groundwater samples confirmed that none of the target analytes were detected at concentrations exceeding FDEP Groundwater Cleanup Target Levels (GCTLs). The Phase I soil samples from MPT-1241-SS02-0102 exceeded TRPH and were further analyzed and evaluated for carbon fractions as described in Chapter 62-770(600)(4)(f)3 F.A.C. The sample results did not exceed the adjusted SCTL for TRPH fractions. Additional soil samples were collected during Phase II, and a permanent monitoring well was installed. Some petroleum odor was identified during soil samples, and petroleum constituents were detected, but none exceeded SCTLs. Groundwater sample results did not exceeded GCTLs.

Based on the results obtained during this investigation, the site meets the requirements of Chapter 62-770, F.A.C., for No Further Action.

5.0 RECOMMENDATIONS

Due to the lack of impact to soils and groundwater exceeding FDEP criteria, TriEco recommends No Further Action for the Site 1241 Parking Area. It is requested that the FDEP issue a Site Rehabilitation Completion Order for the Site 1241 Parking Area.

REFERENCES

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APPENDIX A

SITE ASSESSMENT SUMMARY SHEET

SITE ASSESSMENT REPORT SUMMARY SHEET

Facility Name: NAVSTA Mayport Site 1241 Parking Area Reimbursement Site: ☐

Location: Naval Station Mayport, Jacksonville FL State Contract Site: ☐

EDI #: _____ FAC I.D.# _____ Other: Non-Prog. ☑

Date Reviewed: _____ Local Government: _____

(1) Source of Spill: Oily wastewater pipeline release Date of Spill: 12/28/2011

(2) Type of Product:

Gasoline Group	Gallons Lost	Unknown	Kerosene Group	Gallons Lost
☐ Leaded			☐ Kerosene	
☐ Unleaded Regular			☐ Diesel	
☐ Unleaded Premium			☐ JP-4 Jet Fuel	
☐ Gasohol			☐ Heating Fuel	
☑ Undetermined	approx. 6000		Unknown	

(3) Description of IRA: Pipeline secured and repaired.
Soil excavated for pipeline repair was returned to pipeline excavation.

☐ Free product Removal: _____ (gals)
☑ Soil Removal: _____ (cubic yds)
☐ Soil Incineration: _____ (cubic yds)

(4) Free Product still present (yes/no) no Maximum apparent product thickness: N/A (feet)

(5) Maximum Groundwater contamination levels (ppb): Total VOA: _____ lead: 4 U benzene: 0.21 U MTBE: 0.24 U EDB: _____ other: _____

(6) Brief lithologic description: Fine grain marine quartz sands with shell fragments

(7) Areal and vertical extent of soils contamination defined (yes/no) yes

Highest current soil concentration (OVA: 12.9 (FID) ppm) or (EPA method 5030/8020: _____ ppb)

(8) Lower aquifer contaminated? (yes/no) no Depth of vertical contamination: N/A

(9) Date of last complete round of groundwater sampling: 01/02/2013 Date of last soil sampling: 12/12/2012

(10) QAPP approved? (yes/no) Date: N/A

(11) Direction (e.g. NNW) of surficial groundwater flow: North (Fig. 3-1 on page _____)

(12) Average depth to groundwater: 4-5 (ft)

(13) Observed range of seasonal groundwater fluctuations: 1 ft (ft) (Based on water level data collected during the CAR investigation)

(14) Estimated rate of groundwater flow: 1.33 (ft/day)

(15) Hydraulic gradient across site: 0.0057 (ft/ft)

(16) Aquifer characteristics:

	Values	Units	Method
Hydraulic conductivity	70.0	ft/day	USDA, 2013
Storage coefficient	-	ft/ft	-
Aquifer thickness		ft	
Effective soil porosity		%	
Transmissivity		gal/day/ft	

(17) Other remarks:

None

APPENDIX B

CUSTOM NRCS SOIL RESOURCE REPORT

United States Department of Agriculture

Natural Resources Conservation Service

A product of the National Cooperative Soil Survey, a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local participants

Custom Soil Resource Report for

Duval County, Florida

NAVSTA Mayport, Site 1241 Parking Area

January 4, 2013

Preface

Soil surveys contain information that affects land use planning in survey areas. They highlight soil limitations that affect various land uses and provide information about the properties of the soils in the survey areas. Soil surveys are designed for many different users, including farmers, ranchers, foresters, agronomists, urban planners, community officials, engineers, developers, builders, and home buyers. Also, conservationists, teachers, students, and specialists in recreation, waste disposal, and pollution control can use the surveys to help them understand, protect, or enhance the environment.

Various land use regulations of Federal, State, and local governments may impose special restrictions on land use or land treatment. Soil surveys identify soil properties that are used in making various land use or land treatment decisions. The information is intended to help the land users identify and reduce the effects of soil limitations on various land uses. The landowner or user is responsible for identifying and complying with existing laws and regulations.

Although soil survey information can be used for general farm, local, and wider area planning, onsite investigation is needed to supplement this information in some cases. Examples include soil quality assessments (http://soils.usda.gov/sqi/) and certain conservation and engineering applications. For more detailed information, contact your local USDA Service Center (http://offices.sc.egov.usda.gov/locator/app?agency=nrcs) or your NRCS State Soil Scientist (http://soils.usda.gov/contact/state_offices/).

Great differences in soil properties can occur within short distances. Some soils are seasonally wet or subject to flooding. Some are too unstable to be used as a foundation for buildings or roads. Clayey or wet soils are poorly suited to use as septic tank absorption fields. A high water table makes a soil poorly suited to basements or underground installations.

The National Cooperative Soil Survey is a joint effort of the United States Department of Agriculture and other Federal agencies, State agencies including the Agricultural Experiment Stations, and local agencies. The Natural Resources Conservation Service (NRCS) has leadership for the Federal part of the National Cooperative Soil Survey.

Information about soils is updated periodically. Updated information is available through the NRCS Soil Data Mart Web site or the NRCS Web Soil Survey. The Soil Data Mart is the data storage site for the official soil survey information.

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How Soil Surveys Are Made

Soil surveys are made to provide information about the soils and miscellaneous areas in a specific area. They include a description of the soils and miscellaneous areas and their location on the landscape and tables that show soil properties and limitations affecting various uses. Soil scientists observed the steepness, length, and shape of the slopes; the general pattern of drainage; the kinds of crops and native plants; and the kinds of bedrock. They observed and described many soil profiles. A soil profile is the sequence of natural layers, or horizons, in a soil. The profile extends from the surface down into the unconsolidated material in which the soil formed or from the surface down to bedrock. The unconsolidated material is devoid of roots and other living organisms and has not been changed by other biological activity.

Currently, soils are mapped according to the boundaries of major land resource areas (MLRAs). MLRAs are geographically associated land resource units that share common characteristics related to physiography, geology, climate, water resources, soils, biological resources, and land uses (USDA, 2006). Soil survey areas typically consist of parts of one or more MLRA.

The soils and miscellaneous areas in a survey area occur in an orderly pattern that is related to the geology, landforms, relief, climate, and natural vegetation of the area. Each kind of soil and miscellaneous area is associated with a particular kind of landform or with a segment of the landform. By observing the soils and miscellaneous areas in the survey area and relating their position to specific segments of the landform, a soil scientist develops a concept, or model, of how they were formed. Thus, during mapping, this model enables the soil scientist to predict with a considerable degree of accuracy the kind of soil or miscellaneous area at a specific location on the landscape.

Commonly, individual soils on the landscape merge into one another as their characteristics gradually change. To construct an accurate soil map, however, soil scientists must determine the boundaries between the soils. They can observe only a limited number of soil profiles. Nevertheless, these observations, supplemented by an understanding of the soil-vegetation-landscape relationship, are sufficient to verify predictions of the kinds of soil in an area and to determine the boundaries.

Soil scientists recorded the characteristics of the soil profiles that they studied. They noted soil color, texture, size and shape of soil aggregates, kind and amount of rock fragments, distribution of plant roots, reaction, and other features that enable them to identify soils. After describing the soils in the survey area and determining their properties, the soil scientists assigned the soils to taxonomic classes (units). Taxonomic classes are concepts. Each taxonomic class has a set of soil characteristics with precisely defined limits. The classes are used as a basis for comparison to classify soils systematically. Soil taxonomy, the system of taxonomic classification used in the United States, is based mainly on the kind and character of soil properties and the arrangement of horizons within the profile. After the soil scientists classified and named the soils in the survey area, they compared the

individual soils with similar soils in the same taxonomic class in other areas so that they could confirm data and assemble additional data based on experience and research.

The objective of soil mapping is not to delineate pure map unit components; the objective is to separate the landscape into landforms or landform segments that have similar use and management requirements. Each map unit is defined by a unique combination of soil components and/or miscellaneous areas in predictable proportions. Some components may be highly contrasting to the other components of the map unit. The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The delineation of such landforms and landform segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, onsite investigation is needed to define and locate the soils and miscellaneous areas.

Soil scientists make many field observations in the process of producing a soil map. The frequency of observation is dependent upon several factors, including scale of mapping, intensity of mapping, design of map units, complexity of the landscape, and experience of the soil scientist. Observations are made to test and refine the soil-landscape model and predictions and to verify the classification of the soils at specific locations. Once the soil-landscape model is refined, a significantly smaller number of measurements of individual soil properties are made and recorded. These measurements may include field measurements, such as those for color, depth to bedrock, and texture, and laboratory measurements, such as those for content of sand, silt, clay, salt, and other components. Properties of each soil typically vary from one point to another across the landscape.

Observations for map unit components are aggregated to develop ranges of characteristics for the components. The aggregated values are presented. Direct measurements do not exist for every property presented for every map unit component. Values for some properties are estimated from combinations of other properties.

While a soil survey is in progress, samples of some of the soils in the area generally are collected for laboratory analyses and for engineering tests. Soil scientists interpret the data from these analyses and tests as well as the field-observed characteristics and the soil properties to determine the expected behavior of the soils under different uses. Interpretations for all of the soils are field tested through observation of the soils in different uses and under different levels of management. Some interpretations are modified to fit local conditions, and some new interpretations are developed to meet local needs. Data are assembled from other sources, such as research information, production records, and field experience of specialists. For example, data on crop yields under defined levels of management are assembled from farm records and from field or plot experiments on the same kinds of soil.

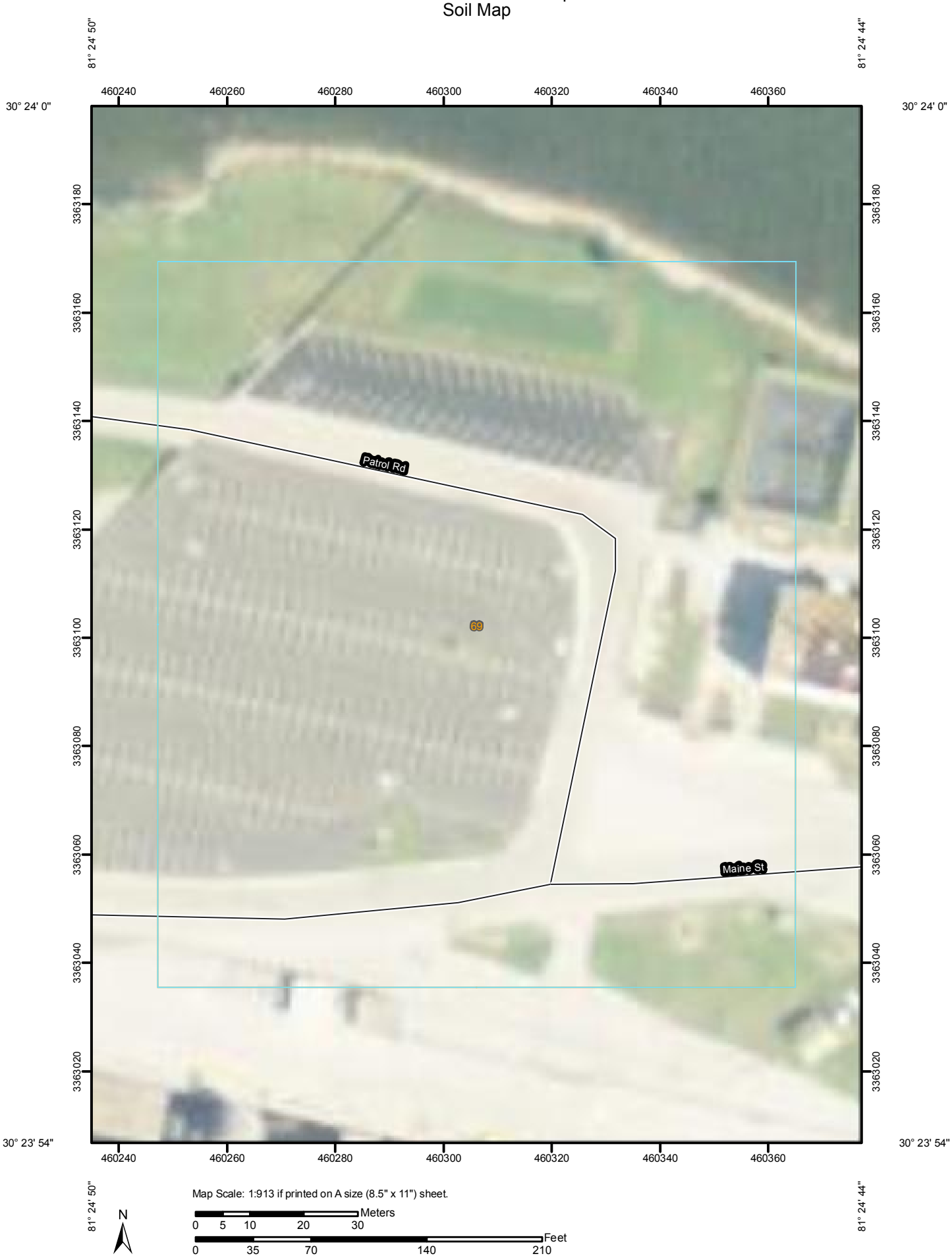
Predictions about soil behavior are based not only on soil properties but also on such variables as climate and biological activity. Soil conditions are predictable over long periods of time, but they are not predictable from year to year. For example, soil scientists can predict with a fairly high degree of accuracy that a given soil will have a high water table within certain depths in most years, but they cannot predict that a high water table will always be at a specific level in the soil on a specific date.

After soil scientists located and identified the significant natural bodies of soil in the survey area, they drew the boundaries of these bodies on aerial photographs and identified each as a specific map unit. Aerial photographs show trees, buildings, fields, roads, and rivers, all of which help in locating boundaries accurately.

Soil Map

The soil map section includes the soil map for the defined area of interest, a list of soil map units on the map and extent of each map unit, and cartographic symbols displayed on the map. Also presented are various metadata about data used to produce the map, and a description of each soil map unit.

Custom Soil Resource Report
Soil Map



MAP LEGEND

Area of Interest (AOI)

Area of Interest (AOI)

Soils

Soil Map Units

Special Point Features

Blowout

Borrow Pit

Clay Spot

Closed Depression

Gravel Pit

Gravelly Spot

Landfill

Lava Flow

Marsh or swamp

Mine or Quarry

Miscellaneous Water

Perennial Water

Rock Outcrop

Saline Spot

Sandy Spot

Severely Eroded Spot

Sinkhole

Slide or Slip

Sodic Spot

Spoil Area

Stony Spot

Very Stony Spot

Wet Spot

Other

Special Line Features

Gully

Short Steep Slope

Other

Political Features

Cities

Water Features

Streams and Canals

Transportation

Rails

Interstate Highways

US Routes

Major Roads

Local Roads

MAP INFORMATION

Map Scale: 1:913 if printed on A size (8.5" × 11") sheet.

The soil surveys that comprise your AOI were mapped at 1:24,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for accurate map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL: http://websoilsurvey.nrcs.usda.gov
Coordinate System: UTM Zone 17N NAD83

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Duval County, Florida
Survey Area Data: Version 7, Jan 28, 2010

Date(s) aerial images were photographed: 10/13/2007

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Duval County, Florida (FL031)			
Map Unit Symbol	**Map Unit Name**	**Acres in AOI**	**Percent of AOI**
69	Urban land	3.9	100.0%
Totals for Area of Interest		**3.9**	**100.0%**

Map Unit Descriptions

The map units delineated on the detailed soil maps in a soil survey represent the soils or miscellaneous areas in the survey area. The map unit descriptions, along with the maps, can be used to determine the composition and properties of a unit.

A map unit delineation on a soil map represents an area dominated by one or more major kinds of soil or miscellaneous areas. A map unit is identified and named according to the taxonomic classification of the dominant soils. Within a taxonomic class there are precisely defined limits for the properties of the soils. On the landscape, however, the soils are natural phenomena, and they have the characteristic variability of all natural phenomena. Thus, the range of some observed properties may extend beyond the limits defined for a taxonomic class. Areas of soils of a single taxonomic class rarely, if ever, can be mapped without including areas of other taxonomic classes. Consequently, every map unit is made up of the soils or miscellaneous areas for which it is named and some minor components that belong to taxonomic classes other than those of the major soils.

Most minor soils have properties similar to those of the dominant soil or soils in the map unit, and thus they do not affect use and management. These are called noncontrasting, or similar, components. They may or may not be mentioned in a particular map unit description. Other minor components, however, have properties and behavioral characteristics divergent enough to affect use or to require different management. These are called contrasting, or dissimilar, components. They generally are in small areas and could not be mapped separately because of the scale used. Some small areas of strongly contrasting soils or miscellaneous areas are identified by a special symbol on the maps. If included in the database for a given area, the contrasting minor components are identified in the map unit descriptions along with some characteristics of each. A few areas of minor components may not have been observed, and consequently they are not mentioned in the descriptions, especially where the pattern was so complex that it was impractical to make enough observations to identify all the soils and miscellaneous areas on the landscape.

The presence of minor components in a map unit in no way diminishes the usefulness or accuracy of the data. The objective of mapping is not to delineate pure taxonomic classes but rather to separate the landscape into landforms or landform segments that have similar use and management requirements. The delineation of such segments on the map provides sufficient information for the development of resource plans. If intensive use of small areas is planned, however, onsite investigation is needed to define and locate the soils and miscellaneous areas.

An identifying symbol precedes the map unit name in the map unit descriptions. Each description includes general facts about the unit and gives important soil properties and qualities.

Soils that have profiles that are almost alike make up a *soil series*. Except for differences in texture of the surface layer, all the soils of a series have major horizons that are similar in composition, thickness, and arrangement.

Soils of one series can differ in texture of the surface layer, slope, stoniness, salinity, degree of erosion, and other characteristics that affect their use. On the basis of such differences, a soil series is divided into *soil phases*. Most of the areas shown on the detailed soil maps are phases of soil series. The name of a soil phase commonly indicates a feature that affects use or management. For example, Alpha silt loam, 0 to 2 percent slopes, is a phase of the Alpha series.

Some map units are made up of two or more major soils or miscellaneous areas. These map units are complexes, associations, or undifferentiated groups.

A *complex* consists of two or more soils or miscellaneous areas in such an intricate pattern or in such small areas that they cannot be shown separately on the maps. The pattern and proportion of the soils or miscellaneous areas are somewhat similar in all areas. Alpha-Beta complex, 0 to 6 percent slopes, is an example.

An *association* is made up of two or more geographically associated soils or miscellaneous areas that are shown as one unit on the maps. Because of present or anticipated uses of the map units in the survey area, it was not considered practical or necessary to map the soils or miscellaneous areas separately. The pattern and relative proportion of the soils or miscellaneous areas are somewhat similar. Alpha-Beta association, 0 to 2 percent slopes, is an example.

An *undifferentiated group* is made up of two or more soils or miscellaneous areas that could be mapped individually but are mapped as one unit because similar interpretations can be made for use and management. The pattern and proportion of the soils or miscellaneous areas in a mapped area are not uniform. An area can be made up of only one of the major soils or miscellaneous areas, or it can be made up of all of them. Alpha and Beta soils, 0 to 2 percent slopes, is an example.

Some surveys include *miscellaneous areas*. Such areas have little or no soil material and support little or no vegetation. Rock outcrop is an example.

Duval County, Florida

69—Urban land

Map Unit Setting

Landscape: Coastal plains
Elevation: 0 to 190 feet
Mean annual precipitation: 48 to 56 inches
Mean annual air temperature: 64 to 72 degrees F
Frost-free period: 263 to 293 days

Map Unit Composition

Urban land: 95 percent
Minor components: 5 percent

Description of Urban Land

Setting

Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Linear
Across-slope shape: Linear
Parent material: No parent material

Minor Components

Albany

Percent of map unit: 1 percent
Landform: Knolls on marine terraces, ridges on marine terraces
Landform position (three-dimensional): Interfluve, talf
Down-slope shape: Convex
Across-slope shape: Linear

Ortega

Percent of map unit: 1 percent
Landform: Rises on marine terraces, knolls on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear

Leon

Percent of map unit: 1 percent
Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Hurricane

Percent of map unit: 1 percent
Landform: Flats on marine terraces, rises on marine terraces
Landform position (three-dimensional): Interfluve
Down-slope shape: Convex
Across-slope shape: Linear

Pelham, hydric

Percent of map unit: 1 percent

Landform: Flats on marine terraces
Landform position (three-dimensional): Talf
Down-slope shape: Convex
Across-slope shape: Linear

Soil Information for All Uses

Soil Reports

The Soil Reports section includes various formatted tabular and narrative reports (tables) containing data for each selected soil map unit and each component of each unit. No aggregation of data has occurred as is done in reports in the Soil Properties and Qualities and Suitabilities and Limitations sections.

The reports contain soil interpretive information as well as basic soil properties and qualities. A description of each report (table) is included.

Soil Physical Properties

This folder contains a collection of tabular reports that present soil physical properties. The reports (tables) include all selected map units and components for each map unit. Soil physical properties are measured or inferred from direct observations in the field or laboratory. Examples of soil physical properties include percent clay, organic matter, saturated hydraulic conductivity, available water capacity, and bulk density.

Physical Soil Properties

This table shows estimates of some physical characteristics and features that affect soil behavior. These estimates are given for the layers of each soil in the survey area. The estimates are based on field observations and on test data for these and similar soils.

Depth to the upper and lower boundaries of each layer is indicated.

Particle size is the effective diameter of a soil particle as measured by sedimentation, sieving, or micrometric methods. Particle sizes are expressed as classes with specific effective diameter class limits. The broad classes are sand, silt, and clay, ranging from the larger to the smaller.

Sand as a soil separate consists of mineral soil particles that are 0.05 millimeter to 2 millimeters in diameter. In this table, the estimated sand content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Silt as a soil separate consists of mineral soil particles that are 0.002 to 0.05 millimeter in diameter. In this table, the estimated silt content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

Clay as a soil separate consists of mineral soil particles that are less than 0.002 millimeter in diameter. In this table, the estimated clay content of each soil layer is given as a percentage, by weight, of the soil material that is less than 2 millimeters in diameter.

The content of sand, silt, and clay affects the physical behavior of a soil. Particle size is important for engineering and agronomic interpretations, for determination of soil hydrologic qualities, and for soil classification.

The amount and kind of clay affect the fertility and physical condition of the soil and the ability of the soil to adsorb cations and to retain moisture. They influence shrink-swell potential, saturated hydraulic conductivity (Ksat), plasticity, the ease of soil dispersion, and other soil properties. The amount and kind of clay in a soil also affect tillage and earthmoving operations.

Moist bulk density is the weight of soil (ovendry) per unit volume. Volume is measured when the soil is at field moisture capacity, that is, the moisture content at 1/3- or 1/10-bar (33kPa or 10kPa) moisture tension. Weight is determined after the soil is dried at 105 degrees C. In the table, the estimated moist bulk density of each soil horizon is expressed in grams per cubic centimeter of soil material that is less than 2 millimeters in diameter. Bulk density data are used to compute linear extensibility, shrink-swell potential, available water capacity, total pore space, and other soil properties. The moist bulk density of a soil indicates the pore space available for water and roots. Depending on soil texture, a bulk density of more than 1.4 can restrict water storage and root penetration. Moist bulk density is influenced by texture, kind of clay, content of organic matter, and soil structure.

Saturated hydraulic conductivity (Ksat) refers to the ease with which pores in a saturated soil transmit water. The estimates in the table are expressed in terms of micrometers per second. They are based on soil characteristics observed in the field, particularly structure, porosity, and texture. Saturated hydraulic conductivity (Ksat) is considered in the design of soil drainage systems and septic tank absorption fields.

Available water capacity refers to the quantity of water that the soil is capable of storing for use by plants. The capacity for water storage is given in inches of water per inch of soil for each soil layer. The capacity varies, depending on soil properties that affect retention of water. The most important properties are the content of organic matter, soil texture, bulk density, and soil structure. Available water capacity is an important factor in the choice of plants or crops to be grown and in the design and management of irrigation systems. Available water capacity is not an estimate of the quantity of water actually available to plants at any given time.

Linear extensibility refers to the change in length of an unconfined clod as moisture content is decreased from a moist to a dry state. It is an expression of the volume change between the water content of the clod at 1/3- or 1/10-bar tension (33kPa or 10kPa tension) and oven dryness. The volume change is reported in the table as percent change for the whole soil. The amount and type of clay minerals in the soil influence volume change.

Linear extensibility is used to determine the shrink-swell potential of soils. The shrink-swell potential is low if the soil has a linear extensibility of less than 3 percent; moderate if 3 to 6 percent; high if 6 to 9 percent; and very high if more than 9 percent. If the linear extensibility is more than 3, shrinking and swelling can cause damage to buildings, roads, and other structures and to plant roots. Special design commonly is needed.

Organic matter is the plant and animal residue in the soil at various stages of decomposition. In this table, the estimated content of organic matter is expressed as

a percentage, by weight, of the soil material that is less than 2 millimeters in diameter. The content of organic matter in a soil can be maintained by returning crop residue to the soil.

Organic matter has a positive effect on available water capacity, water infiltration, soil organism activity, and tilth. It is a source of nitrogen and other nutrients for crops and soil organisms.

Erosion factors are shown in the table as the K factor (Kw and Kf) and the T factor. Erosion factor K indicates the susceptibility of a soil to sheet and rill erosion by water. Factor K is one of six factors used in the Universal Soil Loss Equation (USLE) and the Revised Universal Soil Loss Equation (RUSLE) to predict the average annual rate of soil loss by sheet and rill erosion in tons per acre per year. The estimates are based primarily on percentage of silt, sand, and organic matter and on soil structure and Ksat. Values of K range from 0.02 to 0.69. Other factors being equal, the higher the value, the more susceptible the soil is to sheet and rill erosion by water.

Erosion factor Kw indicates the erodibility of the whole soil. The estimates are modified by the presence of rock fragments.

Erosion factor Kf indicates the erodibility of the fine-earth fraction, or the material less than 2 millimeters in size.

Erosion factor T is an estimate of the maximum average annual rate of soil erosion by wind and/or water that can occur without affecting crop productivity over a sustained period. The rate is in tons per acre per year.

Wind erodibility groups are made up of soils that have similar properties affecting their susceptibility to wind erosion in cultivated areas. The soils assigned to group 1 are the most susceptible to wind erosion, and those assigned to group 8 are the least susceptible. The groups are described in the "National Soil Survey Handbook."

Wind erodibility index is a numerical value indicating the susceptibility of soil to wind erosion, or the tons per acre per year that can be expected to be lost to wind erosion. There is a close correlation between wind erosion and the texture of the surface layer, the size and durability of surface clods, rock fragments, organic matter, and a calcareous reaction. Soil moisture and frozen soil layers also influence wind erosion.

Reference:
United States Department of Agriculture, Natural Resources Conservation Service. National soil survey handbook, title 430-VI. (http://soils.usda.gov)

Physical Soil Properties– Duval County, Florida														
Map symbol and soil name	**Depth**	**Sand**	**Silt**	**Clay**	**Moist bulk density**	**Saturated hydraulic conductivity**	**Available water capacity**	**Linear extensibility**	**Organic matter**	**Erosion factors**			**Wind erodibility group**	**Wind erodibility index**
										Kw	**Kf**	**T**		
	In	*Pct*	*Pct*	*Pct*	*g/cc*	*micro m/sec*	*In/In*	*Pct*	*Pct*					
69—Urban land														
Urban land	—	—	—	—	—	—	—	—	—					

Soil Qualities and Features

This folder contains tabular reports that present various soil qualities and features. The reports (tables) include all selected map units and components for each map unit. Soil qualities are behavior and performance attributes that are not directly measured, but are inferred from observations of dynamic conditions and from soil properties. Example soil qualities include natural drainage, and frost action. Soil features are attributes that are not directly part of the soil. Example soil features include slope and depth to restrictive layer. These features can greatly impact the use and management of the soil.

Soil Features

This table gives estimates of various soil features. The estimates are used in land use planning that involves engineering considerations.

A *restrictive layer* is a nearly continuous layer that has one or more physical, chemical, or thermal properties that significantly impede the movement of water and air through the soil or that restrict roots or otherwise provide an unfavorable root environment. Examples are bedrock, cemented layers, dense layers, and frozen layers. The table indicates the hardness and thickness of the restrictive layer, both of which significantly affect the ease of excavation. *Depth to top* is the vertical distance from the soil surface to the upper boundary of the restrictive layer.

Subsidence is the settlement of organic soils or of saturated mineral soils of very low density. Subsidence generally results from either desiccation and shrinkage, or oxidation of organic material, or both, following drainage. Subsidence takes place gradually, usually over a period of several years. The table shows the expected initial subsidence, which usually is a result of drainage, and total subsidence, which results from a combination of factors.

Potential for frost action is the likelihood of upward or lateral expansion of the soil caused by the formation of segregated ice lenses (frost heave) and the subsequent collapse of the soil and loss of strength on thawing. Frost action occurs when moisture moves into the freezing zone of the soil. Temperature, texture, density, saturated hydraulic conductivity (Ksat), content of organic matter, and depth to the water table are the most important factors considered in evaluating the potential for frost action. It is assumed that the soil is not insulated by vegetation or snow and is not artificially drained. Silty and highly structured, clayey soils that have a high water table in winter are the most susceptible to frost action. Well drained, very gravelly, or very sandy soils are the least susceptible. Frost heave and low soil strength during thawing cause damage to pavements and other rigid structures.

Risk of corrosion pertains to potential soil-induced electrochemical or chemical action that corrodes or weakens uncoated steel or concrete. The rate of corrosion of uncoated steel is related to such factors as soil moisture, particle-size distribution, acidity, and electrical conductivity of the soil. The rate of corrosion of concrete is based mainly on the sulfate and sodium content, texture, moisture content, and acidity of the soil. Special site examination and design may be needed if the combination of factors results in a severe hazard of corrosion. The steel or concrete in installations that intersect soil boundaries or soil layers is more susceptible to corrosion than the steel

or concrete in installations that are entirely within one kind of soil or within one soil layer.

For uncoated steel, the risk of corrosion, expressed as *low*, *moderate*, or *high*, is based on soil drainage class, total acidity, electrical resistivity near field capacity, and electrical conductivity of the saturation extract.

For concrete, the risk of corrosion also is expressed as *low*, *moderate*, or *high.* It is based on soil texture, acidity, and amount of sulfates in the saturation extract.

Soil Features– Duval County, Florida									
Map symbol and soil name	Restrictive Layer				Subsidence		Potential for frost action	Risk of corrosion	
	Kind	Depth to top	Thickness	Hardness	Initial	Total		Uncoated steel	Concrete
		In	*In*		*In*	*In*			
69—Urban land									
Urban land		—	—		0	—			

Water Features

This folder contains tabular reports that present soil hydrology information. The reports (tables) include all selected map units and components for each map unit. Water Features include ponding frequency, flooding frequency, and depth to water table.

Water Features

This table gives estimates of various soil water features. The estimates are used in land use planning that involves engineering considerations.

Hydrologic soil groups are based on estimates of runoff potential. Soils are assigned to one of four groups according to the rate of water infiltration when the soils are not protected by vegetation, are thoroughly wet, and receive precipitation from long-duration storms.

The four hydrologic soil groups are:

Group A. Soils having a high infiltration rate (low runoff potential) when thoroughly wet. These consist mainly of deep, well drained to excessively drained sands or gravelly sands. These soils have a high rate of water transmission.

Group B. Soils having a moderate infiltration rate when thoroughly wet. These consist chiefly of moderately deep or deep, moderately well drained or well drained soils that have moderately fine texture to moderately coarse texture. These soils have a moderate rate of water transmission.

Group C. Soils having a slow infiltration rate when thoroughly wet. These consist chiefly of soils having a layer that impedes the downward movement of water or soils of moderately fine texture or fine texture. These soils have a slow rate of water transmission.

Group D. Soils having a very slow infiltration rate (high runoff potential) when thoroughly wet. These consist chiefly of clays that have a high shrink-swell potential, soils that have a high water table, soils that have a claypan or clay layer at or near the surface, and soils that are shallow over nearly impervious material. These soils have a very slow rate of water transmission.

If a soil is assigned to a dual hydrologic group (A/D, B/D, or C/D), the first letter is for drained areas and the second is for undrained areas.

Surface runoff refers to the loss of water from an area by flow over the land surface. Surface runoff classes are based on slope, climate, and vegetative cover. The concept indicates relative runoff for very specific conditions. It is assumed that the surface of the soil is bare and that the retention of surface water resulting from irregularities in the ground surface is minimal. The classes are negligible, very low, low, medium, high, and very high.

The *months* in the table indicate the portion of the year in which a water table, ponding, and/or flooding is most likely to be a concern.

Water table refers to a saturated zone in the soil. The water features table indicates, by month, depth to the top (*upper limit*) and base (*lower limit*) of the saturated zone in most years. Estimates of the upper and lower limits are based mainly on observations of the water table at selected sites and on evidence of a saturated zone, namely

grayish colors or mottles (redoximorphic features) in the soil. A saturated zone that lasts for less than a month is not considered a water table.

Ponding is standing water in a closed depression. Unless a drainage system is installed, the water is removed only by percolation, transpiration, or evaporation. The table indicates *surface water depth* and the *duration* and *frequency* of ponding. Duration is expressed as *very brief* if less than 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, rare, occasional, and frequent. *None* means that ponding is not probable; *rare* that it is unlikely but possible under unusual weather conditions (the chance of ponding is nearly 0 percent to 5 percent in any year); *occasional* that it occurs, on the average, once or less in 2 years (the chance of ponding is 5 to 50 percent in any year); and *frequent* that it occurs, on the average, more than once in 2 years (the chance of ponding is more than 50 percent in any year).

Flooding is the temporary inundation of an area caused by overflowing streams, by runoff from adjacent slopes, or by tides. Water standing for short periods after rainfall or snowmelt is not considered flooding, and water standing in swamps and marshes is considered ponding rather than flooding.

Duration and *frequency* are estimated. Duration is expressed as *extremely brief* if 0.1 hour to 4 hours, *very brief* if 4 hours to 2 days, *brief* if 2 to 7 days, *long* if 7 to 30 days, and *very long* if more than 30 days. Frequency is expressed as none, very rare, rare, occasional, frequent, and very frequent. *None* means that flooding is not probable; *very rare* that it is very unlikely but possible under extremely unusual weather conditions (the chance of flooding is less than 1 percent in any year); *rare* that it is unlikely but possible under unusual weather conditions (the chance of flooding is 1 to 5 percent in any year); *occasional* that it occurs infrequently under normal weather conditions (the chance of flooding is 5 to 50 percent in any year); *frequent* that it is likely to occur often under normal weather conditions (the chance of flooding is more than 50 percent in any year but is less than 50 percent in all months in any year); and *very frequent* that it is likely to occur very often under normal weather conditions (the chance of flooding is more than 50 percent in all months of any year).

The information is based on evidence in the soil profile, namely thin strata of gravel, sand, silt, or clay deposited by floodwater; irregular decrease in organic matter content with increasing depth; and little or no horizon development.

Also considered are local information about the extent and levels of flooding and the relation of each soil on the landscape to historic floods. Information on the extent of flooding based on soil data is less specific than that provided by detailed engineering surveys that delineate flood-prone areas at specific flood frequency levels.

Water Features– Duval County, Florida										
Map unit symbol and soil name	Hydrologic group	Surface runoff	Month	Water table		Ponding			Flooding	
				Upper limit	Lower limit	Surface depth	Duration	Frequency	Duration	Frequency
				Ft	*Ft*	*Ft*				
69—Urban land										
Urban land	—	—	Jan-Dec	—	—	—	—	None	—	—

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APPENDIX C

SITE 1241 PARKING AREA POST SPILL REQUIREMENTS

Discharge Reporting Form

PLEASE PRINT OR TYPE

DEP Form # 62-761.900(1)
Form Title Discharge Reporting Form
Effective Date _____

Instructions are on the reverse side. Please complete all applicable blanks

1. Facility ID Number (if registered): _____ **2. Date of form completion:** 1/5/11

3. General information
Facility name: NAVAL STATION MAYPORT
Facility Owner or Operator: PUBLIC WORKS DEPARTMENT - UTILITIES BRANCH
Facility Contact Person CHERYL MITCHELL Telephone number: (904) 270-6070 County: DUVAL
Faciility Mailing address: PO BOX 280067, JACKSONVILLE FL 32228-0067
Location of discharge (facility street address): _____
Latitude and Longitude of discharge (If known.) _____

4. Date of receipt of test results or discovery of confirmed discharge: 12/28/11 month/day/year

5. Estimated number of gallons discharged: 3000 OF OILY WATER (EST < 1% OIL)

6. Discharge affected: [ ] Air [X] Soil [ ] Ground water [ ] Drinking water well(s) [ ] Shoreline [ ] Surface water (water body name) _____

7. Method of discovery (check all that apply)
[ ] Liquid detector (automatic or manual)
[ ] Vapor detector (automatic or manual)
[ ] Tightness test
[ ] Pressure test
[ ] Statistical Inventory Reconciliation
[ ] Internal inspection
[ ] Inventory control
[ ] Monitoring wells
[ ] Automatic tank gauging
[ ] Manual tank gauging
[ ] Closure/Closure Assessment
[ ] Groundwater analytical samples
[ ] Soil analytical tests or samples
[X] Visual observation
[ ] Other _____

8. Type of regulated substance discharged: (check one)
[ ] Unknown [ ] Used/waste oil [ ] Jet fuel [ ] Heating oil [ ] New/lube oil
[ ] Gasoline [ ] Aviation gas [ ] Diesel [ ] Kerosine [ ] Mineral acid
[ ] Hazardous substance - includes CERCLA substances from USTs above reportable quantities, pesticides, ammonia, chlorine, and derivatives (write in name or Chemical Abstract Service (CAS) number) _____
[X] Other OILY WATER

9. Discharge originated from a: (check all that apply)
[ ] Dispensing system [X] Pipe [ ] Barge [ ] Pipeline [ ] Vehicle
[ ] Tank [ ] Fitting [ ] Tanker ship [ ] Railroad tankcar [ ] Airplane
[ ] Unknown [ ] Valve failure [ ] Other Vessel [ ] Tank truck [ ] Drum
[ ] Other _____

10. Cause of the discharge: (check all that apply)
[ ] Loose connection [ ] Puncture [ ] Spill [ ] Collision [ ] Corrosion
[ ] Fire/explosion [ ] Overfill [ ] Human error [ ] Vehicle Accident [ ] Installation failure
[X] Other DEFECT IN PIPE (FORCE MAIN)

11. Actions taken in response to the discharge: FORCE MAIN TO OILY WASTE TREATMENT PLANT SECURED. AREA EXCAVATED & PIPE WAS REPAIRED. 3000 GALLONS OF OILY WATER WAS PUMPED OUT OF THE STORMWATER SYSTEM AND PLACED BACK INTO OILY WASTE TREATMENT SYSTEM. ~~VISIB~~ VISUALLY STAINED SOIL WAS CONTAINERIZED FOR DISPOSAL. SOILS THAT WERE NOT VISUALLY STAINED WERE

12. ~~Comments:~~ PLACED BACK INTO THE EXCAVATION AFTER REPAIRS WERE MADE. SITE WILL BE ASSESSED UNDER 62-770 TO DETERMINE WHETHER FURTHER REMEDIAL MEASURES ARE REQUIRED.

13. Agencies notified (as applicable):
[ ] State Warning Point *(904) 488-1320*
[ ] National Response Center *1-800-424-8802*
[ ] Fire Department. _____
[ ] County Tanks Program _____
[X] DEP (district/person) VIA EMAIL

14. To the best of my knowledge and belief all information submitted on this form is true, accurate, and complete.

CHERYL MITCHELL, ENVIRONMENTAL DIRECTOR
Printed Name of Owner, Operator or Authorized Representative

Signature of Owner, Operator or Authorized Representative.

IAP-HILL

Date: December 29, 2011

File No. 2301-334

Rhonda O'Connor
NAVFAC Southeast (IPT South Atlantic)
Box 30, Bldg 135 NAS JAX
Jacksonville, FL 32212-0030

Subject: Contract No. N69450-10-D-5073

Reference: Annex 4

Para 4.2.4.2a

Title Post Spill Requirements

Contract deliverable is forwarded pursuant to cited contract reference. Enclosed is the Spill/Clean-Up Report Form for spill response. On December 28, 2011, near the Mayport Steam Plant, bldg 1241, approximately 6000 gallons of oily wastewater bubbled up through asphalt parking lot and ran into a storm drain. The cause of the release was a ruptured oily wastewater force main.

Oily water transfer from C-pier was suspended. IAP-HILL executed an emergency dig to locate and repair the ruptured pipe. Oily water was removed by vacuum truck from the dig site as well as the parking lot storm drain and retention pond, and disposed at the OWWO for treatment. Approximately 5 cubic yards of contaminated soil was removed from the site during pipe repairs, and returned as fill per instructions of Base Environmental. Work was accomplished under work order #1041216.

If you have any questions, please contact the undersigned.

Name: Melissa Vergenz

Title: Environmental Manager, RBOS Jacksonville

Telephone: (904) 778-1452

Melissa Vergenz

_____

(Signature)

Cc:

☐ Mr. Ed Keen
NAS Jacksonville
P.O. Box 30, Bldg. 103
Jacksonville, FL 32212-0139

☐ Mr. David Burnett
NS Mayport
P.O. Box 2807, Bldg. 1966
Mayport, FL 32228-0157

IAP-H Contracts Manager

RBOS Jacksonville
Annex 4-Environmental

IAP-HILL

Spill / Clean Up Report Form

Spill Date:	Time of Spill:	Time IAP-HILL SCRD Received call:
12/28/2011	1530	1530

Time OSOT Leader w/OSOT Member Arrived On Site *(enter time here)*: 1545

Location: Oily WASTE UNDER GROUND FORCE MAIN

☐ NAS Jacksonville ☒ NAVSTA Mayport ☐ MCSF-BI Other:

Building Number: 124 Area / Bldg. : Oily WASTE LINE NEAR STEAM PLANT

Substance: WASTE OIL

Amount Spilled: Approx 6,000 gl Amount Recovered: Approx 6K

Source / Cause of Spill *(explain here)*:

Rate of Spilling:

Anticipated Movement of Spill: ~~NORTH~~ WEST

Injuries: *Be Specific*:

Approximate Temperature: 45°F Weather Condition: CLEAR

Immediate Dangers to Personnel or Environment: UNDERGROUND pipe LEAKING, bubbling oily WASTE UP THROUGH Asphault AND INTO STORM DRAIN

Spill Impact or Endanger Public Drinking Water Supplies? ☐ Yes ☒ No

Spill Contact Surface Water? ☐ Yes ☐ No?

Spill Enter Storm Drain? ☒ Yes ☐ No

Spill Contained on Impervious Surface? ☐ Yes ☒ No

Type of Surface: ☐ Concrete ☒ Asphalt ☐ Secondary Containment ☒ Soil Other:

Spill Extend Beyond Station Boundaries? ☐ Yes ☒ No

COTR Contacted? ☒ Yes ☐ No Time/Date: 12/28/11 1536

Station Fire Department Contacted? ☒ Yes ☐ No Time/Date: 12/28/11 1532

Station Environmental Contacted? ☒ Yes ☐ No Time/Date: 12/28/11 1532

Additional Comments/Hazard Assessment/Information: EMERGENCY DIG PERMIT TO LOCATE LEAK ISSUED. SUSPENDED oily H_2O TRANSFER FROM C-PIER.

Person Completing Report SNELLING

Name: Colette D. Snelling Title: ENV Phone: 339-3584

Signature: Date: 12/29/11

Additional Post Report Information

Environmental Damages:

Amount of Disposal Material: UNK. APPROX 6K LIQ AND 6x6x4 SOIL Hazardous Waste: ☐ Yes ☒ No

Spill Residue Disposal Source: 12/29/11 S. DOMBROSKY REQUESTED Location: 1241

Resources: Contaminated Soil be placed back AFTER Repair on pipe has been made.

Number of OSOT Members: 1 Total clean-up Time:

Equipment Used: BACK hoe, PIPE PATCH, VAC TRUCKS, ABSORBENT PADS

Additional Information/Remarks:

AP-HILL

Annex 4-Environmental
SPILL RESPONSE FORM

Spill Call Worksheet
Service Call Reception Desk (SCRD)

Work Call Number: 10412116 **Date:** 12-28-11
Location: Parking lot across from Steam Plant **Time:** 15:30
Name & Identification of Caller: Scott Morrison **Phone # of Caller:** 509-1578
****SPECIFIC DIRECTIONS TO SPILL SITE (Safe Route):**

****TYPE OF MATERIAL SPILLED** Oily waste

****Amount of Material Spilled:**

****Immediate Hazards Involved:**

****CAUSE OF Release (BE SPECIFIC):**

****Nearest Receiving Stream:**

****Danger to Public Safety:**

On Scene Incident Commander:

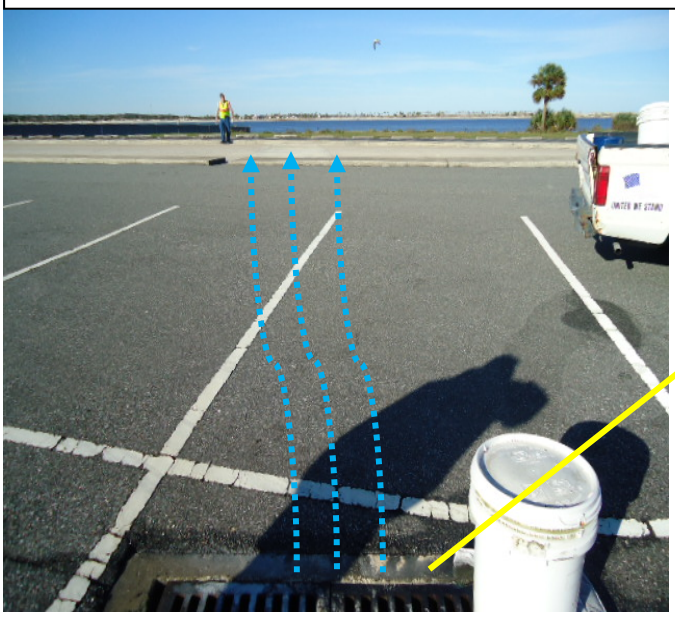
Contacts Made:

Environmental Manager: Colette Snelling **Time:** 15:32

OSOT Members:	Supervisor	Team Leader (Y or N)	Time:
Bennie Pickett	Doug Flanagan	N	15:38
Charles Irons	Allen Wingate	N	15:40

For Mayport Spills:
-Contact Harbor Ops for spills in the water at **270-5266**. **Name/Time:**
-Contact Mayport Emergency Services at **911**. **Name/Time:** Jerry 15:31
-Call Station Environmental at 509-1532. **Name/Time:**
-During normal working hours, contact the COTR/David Burnett (**270-6343**) **Name/Time:** Left message, 3:36 pm
-After normal working hours, contact the PWC CDO at **904/509-5125** **Name/Time:**
For NAS Jax Spills:
-Contact NAS Jax Emergency Services at **911**. **Name/Time:**
-During normal working hours, contact the COTR/J. Pacetti (**542-5571x209**) **Name/Time:**
-After normal working hours, contact the PWC CDO at **904/509-5125** **Name/Time:**
For BIC Spills:
- Contact the BIC ESOH/Shari Kennedy at **696-5140 OR 294-0885.** **Name/Time:**

When water reached the surface cracks in the asphalt lot, it flowed northerly across lot to catch basin (below left) and then flowed via under drain into pond located behind (north of) person in picture. Location of catch basin relative to excavation for damaged pipe is shown in picture on right.



View of pond from western edge looking east. Parking lot catch basin & excavation is to the right out of the picture. Pond overflow outlet to river (in circle) is at eastern end of pond; water would have to be ~6" below top of grate to overflow to river. Pond probably had some minor amount of water from rain on 27th.

Water leaking out of holes on left side of pipe in picture above, left; damaged pipe section removed and shown above, right. Repaired pipe below, left. Excavated dirt below, right. Approximately 18' – 20' of pipe was exposed / inspected and was in good condition. System returned to operation and no leaks observed. Stockpiled soils were returned to excavation.

APPENDIX D

FIELD LOGS

NAVSTA MAYPORT SITES 1596 + 1241

112C04630 SOIL SAMPLING 11-27-12

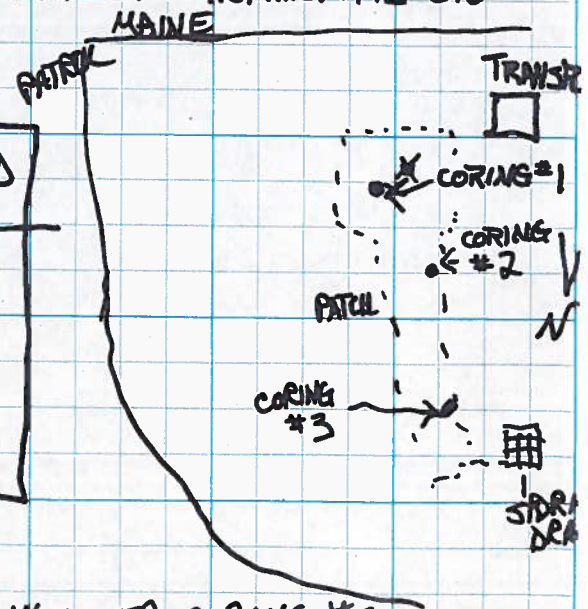
PERSONNEL: D. FEARS, K. WEICHERT (DF = FOL, SSO)
TRUCK: RENTAL
PPE: LEVEL "D"
WEATHER: PARTLY CLOUDY, 62°, LIGHT BREEZE
EQUIP: MICROFID, CORE SAW, GENERATOR
OBJ: SCREEN + COLLECT SOIL SAMPLES AT SITES 1596 + 1241

0900 DF, KW MEET B. PRICE AT MCDONALDS (NAVFAC PM) TO DISCUSS WORK - SITE H+S MEETING CONDUCTED
0910 DF BEGINS MARKING ADDITIONAL UTILITY LOCATES, KW CALIBRATES FID - SEE FIELD CAL LOG SHEET
0940 KW+DF AT 1241 - BEGIN SETTING UP.
0950 BEGAN CORING THROUGH ASPHALT NEAREST TRANSFORMER
1005 COMPLETED FIRST CORE. ASPHALT APPROX. 3 IN THICK. FID = 0.0
1015 BEGIN DRILLING SECOND CORE. S.OTT FROM OILY WASTE TREATMENT PLANT (OWTP) ARRIVED AND DISCUSSED LOCATION OF PIPELINE. BEGAN DRILLING/CORING.
1025 COMPLETED SECOND CORE, SAME DEPTH OF ASPHALT. FID = 0.0
1030 BEGIN CORING AT THIRD LOCATION AFTER REPOSITIONING TRUCK
1035 COMPLETED THIRD CORE, SAME DEPTH OF ASPHALT. FID = 0.0
1045 BEGIN AUGER FOR CORING #1

CORING #1

TIME SCREEN	INTERVAL	UNFILTERED	FILTERED
1105 CORING #1	0-1'	0.0 ppm	N/A
	1-2'*	0.0	N/A
	2-3'*	0.0	N/A
	3-4'	0.0	N/A
	4-5'	0.0	N/A

* NOTICED ODOR
WATER AT APPROX. 5.0 ft bls



1117 BEGIN AUGERING BORING #2

TIME	INTERVAL	UNFILTERED	FILTERED
1138 CORING #2	0-1'	0.0	N/A
	1-2'*	0.0	N/A
	2-3'**	0.0	N/A
	3-4'	0.0	N/A
	4-5'	0.0	N/A

WATER APPROX 4.9 ft bLS
* STRONG ODOR

Diane Feard

1148 BEGIN AUGER CORING #3

TIME	INTERVAL	UNFILTERED	FILTERED
1206 CORING #3	0-1'	0.0	N/A
	1-2'	9.1	0.0
	2-3'	12.9	0.0
	3-4'	9.7	0.0
	4-5'	12.2	0.0

WATER APPROX 4.9 ft BLS
PETROLEUM ODOR

Diane Feard

NAVSTA MAYPORT SITES 1596 + 1241

112S04630 SOIL SAMPLING 11/27/2012

1220 BEGIN CLEANING UP SITE AND LOADING EQUIPMENT TO GO TO SITE 1596.

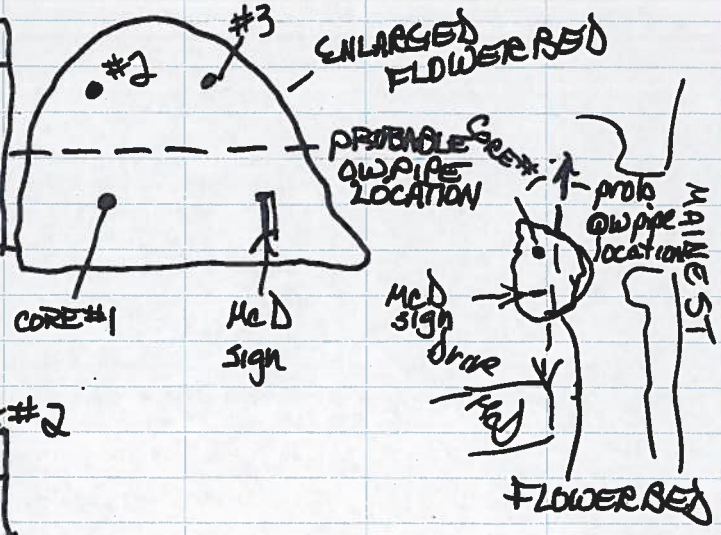
1240 ARRIVE AT McDONALDS, OBSERVING TRAFFIC AND WAITING FOR PARKED VEHICLES TO VACATE ADJACENT TO SAMPLING SITE. IDENTIFIED LOCATIONS FOR PIEZOMETERS FOR FUTURE INSTALLATION.

1335 MET WITH S. OTT TO IDENTIFY MOST PROBABLE LOCATION FOR OWLINE (OILY WASTE)

1341 BEGIN AUGERING SAMPLE #1 CORE.

TIME	INTERVAL	UNFILTERED	FILTERED
1352 Core#1	0-1	9.6	0.0
	1-2	11.7	0.0
	2-3	13.4	0.0
	3-4	0.0	0.0
	4-5*	0.0	0.0

* SHELL, NATURAL FORMATION
WATER @ APPROX 4.5 FT BLS



1410 BEGIN AUGERING SAMPLE CORE #2

TIME	INTERVAL	UNFILTERED	FILTERED
1430 CORE#2	0-1	0.0	N/A
	1-2	0.0	N/A
	2-3	0.0	N/A
	3-4	0.0	N/A
	4-5*	0.0	N/A

* SHELL, NATURAL FORMATION
WATER @ APPROX 4.5 FT BLS

1435 BEGIN AUGERING SAMPLE CORE #3

TIME	INTERVAL	UNFILTERED	FILTERED
1448 CORE#3	0-1	0.0	N/A
	1-2	0.0	N/A
	2-3	0.0	N/A
	3-4	0.0	N/A

WATER @ APPROX 4 FT BLS

1455 LOADED EQUIPMENT, SECURED SITE

1500 KW TO RETURN RENTAL EQUIPMENT AND PREPARE FOR SAMPLING IN AM

Diane Fears

NAVSTA MAYPORT SITES 1241 & 1596

112CD4630 SOIL AND GROUNDWATER SAMPLING 11/28/2012

PERSONNEL: D.F EARS, K. WEICHART (DF = FOL, SSO

TRUCK: RENTAL

PPE: LEVEL D

WEATHER: ~~PARTLY~~ OVERCAST, 56°, BREEZY

EQUIP: WSI 556, MICRO TPW, KECK WATER LEVEL, BARNANT PORT. SAMPLER

OBJ: COLLECT SOIL AND GROUNDWATER SAMPLES at SITES 1241 and 1596

0815 DF and KW met at McDONALDS PARKING LOT FOR TAILGATE SAFETY MEETING

0830 DF TO VERIFY DIG PERMITS AT BLDG 1966 WITH STATION PERSONNEL, KW TO SITE 1241 TO PREPARE FOR SAMPLING

0930 DF MARKING PARKING LOT AREA AT 1241 FOR DIG PERMITS

0900 KW BEGINS SOIL SAMPLE AT CORE #3

0915 MPT-1241-SS03-0102-112812 COLLECTED *
- MILD PETROLEUM ODOR

0947 MPT-1241-SB03-0405-112812 COLLECTED*

1000 KW BEGINS AUGERING PIEZOMETER. HIGH TIDE @ 0815, LOW TIDE @ 1415

1020 TEMPORARY WELL INSTALLED TO 11 FT BGS. 20-30 SAND POURED AROUND WELL SCREEN, WATER @ APPROX 9 FT BGS.

~~1040 KW BEGINS S~~

1045 MPT-1241-SS02-0102-112812 COLLECTED*
- PETROLEUM ODOR, MANY SHELLS

1100 BEGIN CALIBRATING EQUIPMENT FOR GW SAMPLING

1135 BEGIN PURGING WELL

1210 MPT-1241-GW03-112812 ~~SAMP~~ COLLECTED *

1245 WELL SCREEN REMOVED AND SITE CLEANUP COMPLETED

1300 ~~F~~ DF TO BLDG 2021 TO OBTAIN KEY FOR IDW SITE.

1345 INITIATE SAMPLING AT SITE 1596.

1400 MPT-1596-SB01-~~0405~~ 0203-112812 COLLECTED*

1410 MPT-1596-SB01-0405-112812 COLLECTED*

1420 WELL POINT INSTALLED IN SB01. 20-30 SAND POURED IN ANULAR SPACE

1435 INITIATE SAMPLING AT SB03

1445 MPT-1596-SB03-0203-~~1218~~ 112812 COLLECTED*

1505 BEGIN DEVELOPING MPT-1596-GW01.

1555 MPT-1596-GW01-112812 COLLECTED *

1630 CLEANED UP SITE AND PACKED UP SAMPLES AND EQUIPMENT. TRANSFERRING IDW TO CENTRAL STORAGE AREA. TWO 5-GAL CONTAINERS OF SOIL, GW IDW INTO PETROLEUM TOTE.

1700 SECURE FROM SAMPLING AT NAVSTA MAYPORT. ALL CREW DEPARTS

* SEE FIELD DATA LOGS

Deane Fears

NAVSTA MAYPORT - SITES 1241 & 1596

TETRA TECH NUS, INC. | **CHAIN OF CUSTODY** | **NUMBER** 2640 | **PAGE** 1 **OF** 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G04630	NS MAYPORT	SENR DFEARS	904-803-6353	ALS/CAL JERRY ALLEN
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
JC. WLL		DFEARS	904-803-6353	9143 PHILIPS HIGHWAY SUITE 300
		CARRIER/WAYBILL NUMBER		CITY, STATE
		DROP OFF		JACKSONVILLE FL 32256

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G G G G

PRESERVATIVE USED: - - - -

DATE YEAR 2012	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	VOC 8260B	SVOC 8270	TPH-FL PRO	4 METALS-6010	PCB 8270	VOC 8260	TPH FL PRO	8270	METALS 6010	SVOC 8270	COMMENTS
11/28	0915	MPT-1241-SS03-0102-112812		1	2	SO	G	5	✓	✓	✓	✓	✓						COOL TO 4°C
11/28	0940	MPT-1241-SB03-0405-112812		4	5	SO	G	5	✓	✓	✓	✓	✓						
11/28	1045	MPT-1241-SS02-0102-112812		1	2	SO	G	5	✓	✓	✓	✓	✓						
11/28	1210	MPT-1241-GW03-112812				GW	G	7	✓					✓	✓	✓	✓	✓	
11/28	1400	MPT-1596-SB01-0203-112812		2	3	SO	G	5	✓	✓	✓	✓	✓						
11/28	1410	MPT-1596-SB01-0405-112812		4	5	SO	G	5	✓	✓	✓	✓	✓						
11/28	1445	MPT-1596-SB03-0203-112812		2	3	SO	G	5	✓	✓	✓	✓	✓						
11/28	1555	MPT-1596-GW01-112812				GW	G	7						✓	✓	✓	✓	✓	
11/28	0000	TRIP BLANK				QC													TRIP BLANK

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
Diane Fears	11/29/2012	1000	[signature]	11.29.12	1000
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS: D- METALS - As, Cd, Cr, Pb only

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

Sample ID No.: HPT-1241-SS02-0102-112812
Sample Location: 1241-02
Sampled By: KW
C.O.C. No.: 2640

[X] Surface Soil
[] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 11/28/12 Time: 1045 Method: GRAB Monitor Reading (ppm):	1-2'	BLK/BRN	FINE sand, some shell fragments

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

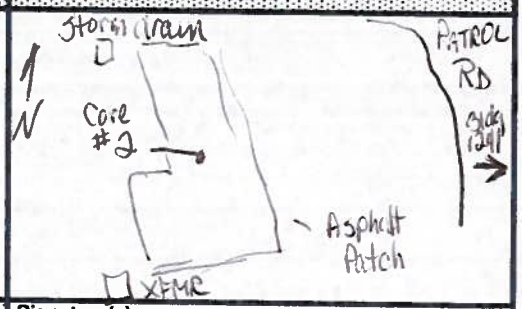
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC	Term Core Kit	✓	
SVOC	1-8oz jar	✓	
PCB		✓	
TRPH		✓	
Metals (As, Cd, Cr, Pb)		✓	

OBSERVATIONS / NOTES:

Petroleum odor

MAP:



Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s): K. WLT

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C041030

Sample ID No.: MPT-1241-SS03-0102-112812
Sample Location: 1241-03
Sampled By: KW
C.O.C. No.: 2640

[X] Surface Soil
[ ] Subsurface Soil
[ ] Sediment
[ ] Other:
[ ] QA Sample Type:

Type of Sample:
[ ] Low Concentration
[ ] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 11/28/2012 Time: 0915 Method: Grab Monitor Reading (ppm):	01-02'	Lt BRN	Sand, moist, tiny clay lense

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

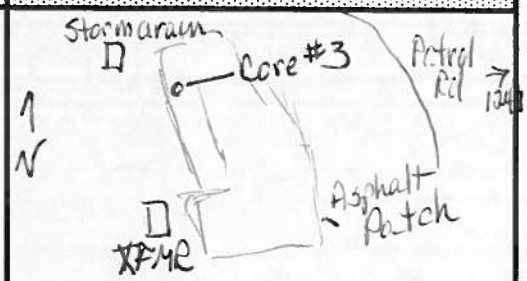
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC	Terra Core Kit	✓	
SVOC	1- 8oz jar	✓	
TRPH		✓	
PCB		✓	
Metals (As, Cd, Cr, Pb)		✓	

OBSERVATIONS / NOTES:

Slight petroleum odor observed

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. WLH

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112CO4630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-5503-0405-112812
Sample Location: 1241-03
Sampled By: KW
C.O.C. No.: 2640

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 11/28/12 Time: 0947 Method: Grab Monitor Reading (ppm):	04-05'	LT BRN	sand, moist, tiny clay lense

COMPOSITE SAMPLE DATA:

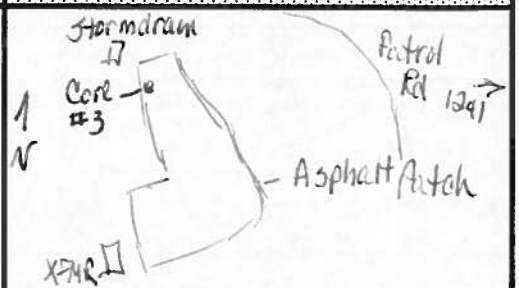
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC	Terra Core Kit	✓	
SVOC	1-8oz jar	✓	
TRPH		✓	
PCB		✓	
Metals (As, Cr, Cd, Pb)		✓	

OBSERVATIONS / NOTES:

MAP:



Circle If Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. WILT

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1596
Project No.: 112C041630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1596-SB01-0203-112812
Sample Location: 1596-01
Sampled By: RW
C.O.C. No.: 2640

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 1128 Time: 1400 Method: Grab Monitor Reading (ppm):	02-03'	Brown	Fine Sand

COMPOSITE SAMPLE DATA:

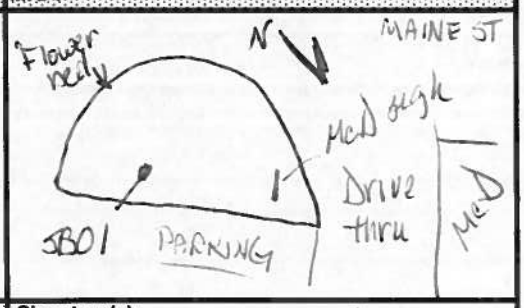
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC	Terra Core Kit	✓	
SVOC	1-8oz jar	✓	
TRPH		✓	
PCB		✓	
Metals (As, Cd, Cr, Pb		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): R. Wilt

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT Site 1596
Project No.: 112C04630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1596-SB01-0405-112812
Sample Location: 1596-01
Sampled By: KW
C.O.C. No.: 2640

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 11/28/12 Time: 1410 Method: Grab Monitor Reading (ppm):	4-5	DkGrey/Brn	Fine sand with some shell fragment

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

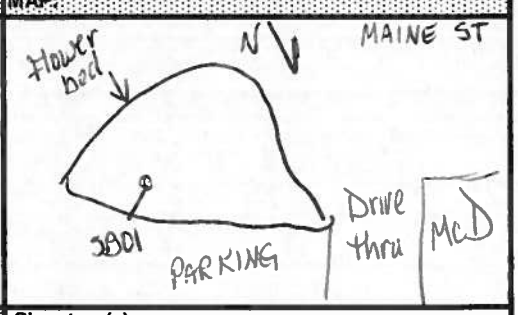
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC	Terra Core kit	✓	
SVOC	1-8oz jar	✓	
TRPH		✓	
PCB		✓	
Metals (As, Cd, Cr, Pb)		✓	

OBSERVATIONS / NOTES:

Water @ 4.5ft BGS
no odor

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): TL·WLT

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page ___ of ___

Project Site Name: NAVSTA MAYPORT Site 1596
Project No.: 112C04630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1596-SB03-0203-112812
Sample Location: 1596-03
Sampled By: KW
C.O.C. No.: 2640

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 11/28/12 Time: 1445 Method: Grab Monitor Reading (ppm):	2-3ft	BRN Gray	Fine sand, some shell, moist

COMPOSITE SAMPLE DATA:

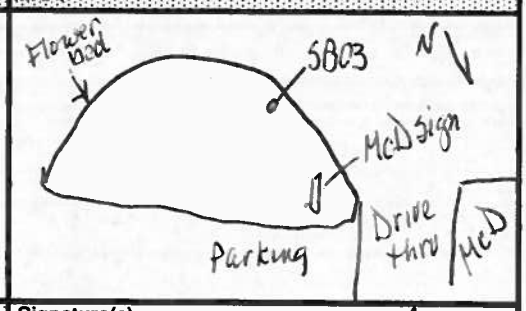
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
VOC	TerraCore Kit	✓	
SVOC	1- 8oz jar	✓	
TRPH		✓	
PCB		✓	
Metals (As, Cd, Cr, Pb)		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wilt

FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 1596		SITE LOCATION: NAVSTA MAYPORT	
WELL NO: MPT-1596-GW01	SAMPLE ID: MPT-1596-GW-01-112812		DATE: 11-28-12

PURGING DATA

WELL DIAMETER (Inches): 1	TUBING DIAMETER (Inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 0 feet to 10 feet *	STATIC DEPTH TO WATER (feet): 6.65	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= ((10 - 6.65) (.16) (3.9 L/GAL) = 2.1 L x5 = 10.5
feet – feet) X feet) X gallons/foot = gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 7.6'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 7.6'	PURGING INITIATED AT: 1505	PURGING ENDED AT: 1550	TOTAL VOLUME PURGED (gallons): 11.25 L

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (gpm)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1505	–	–	mL250	6.65	–	–	–	–	–	–	–
1520	3.75	3.75	250	6.83	7.19	21.14	716	2.70	35.91	CLOUDY	–
1530	2.50	6.25	250	6.85	7.13	21.07	711	1.01	11.52	CLEAR	ORGANIC
1535	1.25	7.50	250	6.85	7.05	21.23	716	0.68	9.77	CLEAR	ORGANIC
1540	1.25	8.75	250	6.85	7.09	21.15	716	0.58	7.24	CLEAR	ORGANIC
1545	1.25	10.0	250	6.85	7.09	21.19	717	0.54	4.62	CLEAR	ORGANIC
1550	1.25	11.25	250	6.85	7.08	21.20	718	0.52	3.79	CLEAR	ORGANIC
1555	– 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" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: K. WEICHERT	SAMPLER(S) SIGNATURES: [signature]	SAMPLING INITIATED AT: 1555	SAMPLING ENDED AT: 1630
PUMP OR TUBING DEPTH IN WELL (feet): 7.6' / RFPP	SAMPLE PUMP FLOW RATE (mL per minute): 250	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) FILTER SIZE: ____ µm Filtration Equipment Type:	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
1	3	CG	40mL	HCl	40mL		VOCs	
2	2	AG	1L	H_2SO_4	1L		TRPH	
3	1	P	250mL	HNO_3	250mL		METALS	
4	1	AG	1L	—	1L		SVOCs	
5	1	AG	1L	—	1L		PCBs	

REMARKS: * ~ 3' OF STICK UP

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 = Bailer; 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)

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

FS 2200 Groundwater Sampling
Form FD 9000-24

GROUNDWATER SAMPLING LOG

SITE NAME: 1241		SITE LOCATION: NAVSTA MAYPORT	
WELL NO: MPT-1241-GW003	SAMPLE ID: MPT-1241-GW-03-112812		DATE: 11-28-12

PURGING DATA

WELL DIAMETER (inches): 1	TUBING DIAMETER (inches): 3/16"	WELL SCREEN INTERVAL DEPTH: 0 feet to 15 feet *	STATIC DEPTH TO WATER (feet): 13.01	PURGE PUMP TYPE OR BAILER: PP

WELL VOLUME PURGE: 1 WELL VOLUME = (TOTAL WELL DEPTH – STATIC DEPTH TO WATER) X WELL CAPACITY
(only fill out if applicable)
= ((15 - 13.01) feet – (.16) (3.9 L/GAL) feet) X = 1.24 L gallons/foot = (X5 = 6.2 L) gallons

EQUIPMENT VOLUME PURGE: 1 EQUIPMENT VOL. = PUMP VOLUME + (TUBING CAPACITY X TUBING LENGTH) + FLOW CELL VOLUME
(only fill out if applicable)
= gallons + (gallons/foot X feet) + gallons = gallons

INITIAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0'	FINAL PUMP OR TUBING DEPTH IN WELL (feet): 12.0'	PURGING INITIATED AT: 1135	PURGING ENDED AT: 1206	TOTAL VOLUME PURGED (gallons): 7.75 L

TIME	VOLUME PURGED (gallons) L	CUMUL. VOLUME PURGED (gallons) L	PURGE RATE (mL/min)	DEPTH TO WATER (feet)	pH (standard units)	TEMP. (°C)	COND. (µmhos/cm or µS/cm)	DISSOLVED OXYGEN (circle mg/L or % saturation)	TURBIDITY (NTUs)	COLOR (describe)	ODOR (describe)
1135	0	0	250	13.01	–	–	–	–	–	–	–
1150	3.75	3.75	250	13.20	7.34	23.88	899	1.78	125.0	CLOUDY	–
1200	2.50	6.25	250	13.20	7.33	24.01	865	1.43	8.27	CLOUDY	–
1203	.75	7.00	250	13.20	7.33	23.99	864	1.39	6.08	CLEAR	–
1206	.75	7.75	250	13.20	7.32	23.99	863	1.38	5.92	CLEAR	–
1210 - 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" = 0.006; 1/2" = 0.010; 5/8" = 0.016

SAMPLING DATA

SAMPLED BY (PRINT) / AFFILIATION: KEVIN WEICHERT	SAMPLER(S) SIGNATURES: JL-WLT	SAMPLING INITIATED AT: 1210	SAMPLING ENDED AT: 1245
PUMP OR TUBING DEPTH IN WELL (feet): 12.0 / RFPP	SAMPLE PUMP FLOW RATE (mL per minute): 250	TUBING MATERIAL CODE: PE	
FIELD DECONTAMINATION: Y (N)	FIELD-FILTERED: Y (N) Filtration Equipment Type: ____ FILTER SIZE: ____ µm	DUPLICATE: Y (N)	

SAMPLE CONTAINER SPECIFICATION				SAMPLE PRESERVATION				
SAMPLE ID CODE	# CONTAINERS	MATERIAL CODE	VOLUME	PRESERVATIVE USED	TOTAL VOL ADDED IN FIELD (mL)	FINAL pH	INTENDED ANALYSIS AND/OR METHOD	SAMPLING EQUIPMENT CODE
1	3	CG	40mL	HCl	40mL		VOCs	
2	2	AG	1 L	H_2SO_4	1 L		TRPH	
3	1	P	250mL	HNO_3	250 mL		METALS	
4	1	AG	1 L	–	1 L		SVOCs	
5	1	AG	1 L	–	1 L		PCBs	

REMARKS: * 4' OF STICK UP

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 = Bailer; 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)

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

Tetra Tech NUS, Inc.

EQUIPMENT CALIBRATION LOG

PROJECT NAME : 1241 / 1596

SITE NAME: 1241 / 1596

PROJECT No.: 112C04630

INSTRUMENT NAME/MODEL: YSI 556 / MICRO TPW

MANUFACTURER: YSI, HF SCIENTIFIC

SERIAL NUMBER: 10J100598 / 200704133

Date of Calibration	Instrument I.D. Number	Person Performing Calibration	Instrument Settings		Instrument Readings		Calibration Standard (Lot No.)	Remarks and Comments
			Pre-calibration	Post-calibration	Pre-calibration	Post-calibration		
11-28-12	10J100598	KW	pH	4.00	3.97	4.00	–	–
				7.00	7.01	7.00	–	–
			COND	1413	1253	1413	–	–
			DO	100.0%	94.8%	100.3%	–	–
11-28-12	200704133	KW	TURB	1000	–	1000	–	–
				10.0	–	10.0	–	–
				.02	–	.02	–	–

Tetra Tech NUS, Inc.

EQUIPMENT CALIBRATION LOG

PROJECT NAME : 1241-1596

SITE NAME: 1241-1596

PROJECT No.: 112C04630

INSTRUMENT NAME/MODEL: PHOTOVAC MICROFID

MANUFACTURER: PHOTOVAC

SERIAL NUMBER: CZVJ302

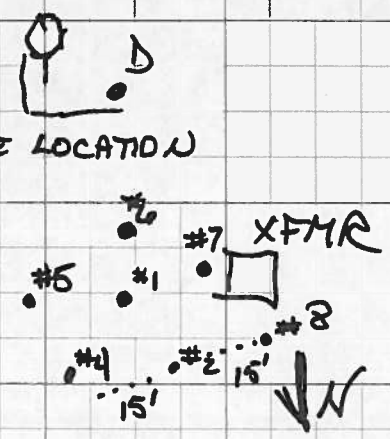
Date of Calibration	Instrument I.D. Number	Person Performing Calibration	Instrument Settings		Instrument Readings		Calibration Standard (Lot No.)	Remarks and Comments
			Pre-calibration	Post-calibration	Pre-calibration	Post-calibration		
11/27/12	CZVJ302	KJ	ZERO	0.0	14.2	0.0	—	
			SPAN	150.0	177.4	150.2	4224-06	EXP. AUG 2014

NAVSTA MAYPORT SITES 1241 + 1596

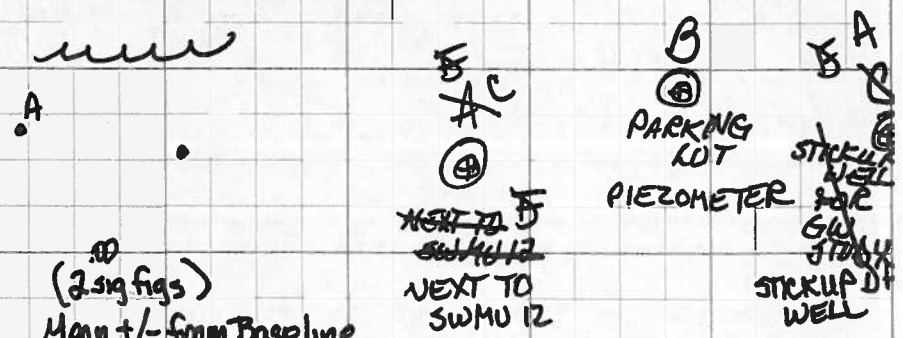
112C04630 SOIL SAMPLING/CORING 12/11/2012

PERSONNEL: DFEARS, K. WEICHERT (DF=FOL, 330
TRUCK: POV
PPE: LEVEL "D"
WEATHER: OVERCAST, PARTLY SUNNY, 68° LIGHT BREEZE
EQUIP: CORE SAW, GENERATOR, KECK WATER LEVEL
OBJ: COLLECT SOIL SAMPLES AND GROUNDWATER FLOW DATA AT SITES 1241 + 1596

0830 TAILGATE H+S MTG WITH DF+KW. DIG PERMITS FROM BLDG 1966
0845 PREPARE TO CORE THROUGH ASPHALT FOR SOIL SAMPLES AT SITE 1241 PARKING AREA
0900 CORE #4 COMPLETE
0915 CORE #5 COMPLETE
0930 SAM OTT HERE TO DISCUSS AND VERIFY OW LINE LOCATION
0945 CORE #6 COMPLETED
1000 CORE #7 COMPLETED
1010 CORE #8
1030 MONITORING WELLS PREVIOUSLY INSTALLED WERE CHECKED AND DETERMINED TO BE VIABLE.
1045 BEGIN AUGERING PIEZOMETER SOUTH SIDE OF PARKING AREA NEAR STOP SIGN
1150 PIEZOMETER INSTALLED APPROX 15 FT WEST OF PATROL RD IN GRASSY AREA ~~NEAR~~ NORTH OF STOP SIGN
1230 SHOT IN MW + PIEZOMETERS WITH SURVEY SCOPE
X IS CONSTANT ON NE CORNER OF TRANSFORMER (XFMR) PAD



	SHOT 1	SHOT 2	
A	2.82'	2.92'.	(+.10)
B	5.44'	5.54'	(+.10)
C	6.98'	7.07'	(+.09)
D	1.18	1.27'	(+.09
X	3.16	3.25'	(+.09



+/- FROM BASELINE			Mean +/- from Baseline (2 sig figs)	Adjusted elevation per estimated sea level* @ ft
X	3.16	3.25		
A	+0.34	~~+0.33~~ B +0.33	+0.34	17.34
B	~~C~~ B -2.28	-2.29	-2.29	14.71
C	-3.82	-3.82	-3.82	13.18
D	+1.98	+1.98	+1.98	18.98

*VERY ROUGH ESTIMATE

Diane Fears

NAVSTA MAYPORT SITES 1241 + 1596

112C04630 PIEZOMETER INSTALLATION 12/11/12

1255 GW MEASUREMENTS AT SITE 1241

DEPTH TO GW	GW ELEVATION *	WELL SITES	TOTAL WELL DEPTH	TIME
~~13.77~~ 1257	4.77	A ~~A C~~ ~~14.95~~ 18.55		~~12:55~~ 12:58
9.76	4.95	B	15.99	13:00
9.49	4.69	C ~~A~~	17.00	13:01
13.77	5.21	D	14.95	12:55

*BASED ON ROUGH VISUAL ESTIMATE

1315 SECURE FROM SITE 1241

1345 BEGIN INSTALLING PIEZOMETERS @ SITE 1596

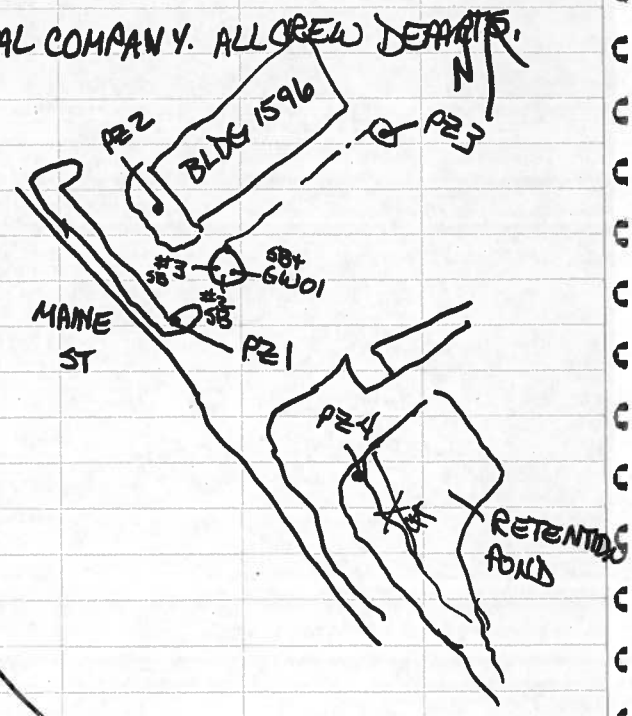
1405 PZ1 INSTALLED

1420 PZ2 INSTALLED

1450 PZ3 INSTALLED

1505 PZ4 INSTALLED

1510 KW TO RETURN EQUIPMENT TO RENTAL COMPANY. ALL CREW DEPARTS.



Diane Fears

NAVSTA MAYPORT SITES 1241 + 1596

112C04630 GW MONITORING + SOIL SAMPLING 12/12/2012

PERSONNEL : D FEARS, KWEICHBRT (DF = FOL, SSO)
E PER TRUCK: POV
PPE: LEVEL "D"
WEATHER: OVERCAST, WINDY, SPRINKLES, 59°
EQUIP: HAND AUGER
OBJ: WATER LEVELS OF PIEZOMETERS AT BOTH SITES AND SOIL SAMPLES AT SITE 1241

0715 ARRIVE @ 1241 SITE. HIGH TIDE AT 0600. SUNRISE 7:15AM

0730-0800 GW ELEVATION MEASUREMENTS

	DEPTH TO GW	GW ELEV
A	12.26	5.08
B	7.72	4.99
C	7.9	5.23
D	12.78	6.20

EST

0810 MEET WITH KW @ 1596. HEAVY RAIN, ANTICIPATE LIGHTENING OF RAIN.
1010 RAIN CONTINUES, INTERMITTANTLY HEAVY. PAPERWORK COMPLETED AS MUCH AS POSSIBLE FOR SAMPLING.
1015 AT SITE 1241, TENT SET UP, BEGIN/PREPARE TO SAMPLE
1030 BEGIN AUGERING SB01
1035 MPT-1241-SB01-0103-121212 COLLECTED*
1040 MPT-1241-SB01-0305-121212 COLLECTED*
1050 MPT-1241-SB01-0507-121212 COLLECTED*
1105 BEGIN AUGERING SB02
1115 MPT-1241-SB02-0305-121212 COLLECTED*
1120 MPT-1241-SB02-0507-121212 COLLECTED*
1130 BEGIN AUGERING SB04
1150 MPT-1241-SB04-0103-121212 COLLECTED*
1200 MPT-1241-SB04-0305-121212 COLLECTED*
1205 MPT-1241-SB04-0507-121212 COLLECTED*
1225 BEGIN AUGERING SB05
1230 MPT-1241-SB05-0103-121212 COLLECTED*
1240 MPT-1241-SB05-0305-~~121212~~ 121212 COLLECTED*
1245 MPT-1241-SB05-0507-121212 COLLECTED*
1330 BEGIN AUGERING SB06
1340 MPT-1241-SB06-0103-121212 COLLECTED*
1345 MPT-1241-SB06-0305-121212 COLLECTED*
1350 MPT-1241-SB06-0507-121212 COLLECTED*
1405 BEGIN AUGERING SB07
1425 MPT-1241-SB07-0103-1212 COLLECTED*

Diane Fears

NAVSTA MAYPORT SITES 1241 + 1596

112C04630 SOIL SAMPLING 12/12/12

1430 MPT-1241-SB07-0305-121212 COLLECTED*

1435 MPT-1241-SB07-0507-121212 COLLECTED*

1450 BEGIN AUGERING SB08

1505 MPT-1241-SB08-0103-121212 COLLECTED*

1510 MPT-1241-SB08-0305-121212 COLLECTED*

1515 MPT-1241-SB08-0507-121212 COLLECTED*

1545 SITE SECURED. ALL CREW DEPARTS.

* SEE FIELD DATA LOGS

NOTE: 0-1' INTERVAL IS ENTIRELY ROAD RACK/FILL MATERIAL, THEREFORE SAMPLING INITIATED AT 1' BLS AT ALL LOCATIONS.

Diane Fears

NAVSTA MAYPORT SITES 1241 + 1596

112C04630 GROUNDWATER LEVELS 12/13/12

PERSONNEL: DFEARS, KWEICHART (DF = FOL, 950)
TRUCK: POV
PPE: LEVEL "D"
WEATHER: OVERCAST, DRIZZLING, 54°F
EQUIP KECK WATER LEVEL
OBJ: COLLECT WATER LEVEL DATA AT SITES 1241 + 1596
HIGH TIDE: 0752

0600 DF ARRIVE ON SITE 1241 TO MEASURE GW LEVELS

0615		DEPTH TO GW	GW ELEV	ASSUMPTION + 17FT
	A	12.23	5.11	17.34
	B	9.60	5.11	14.71
	C	7.86	5.32	13.18
0635	D	10.40	8.58	18.98

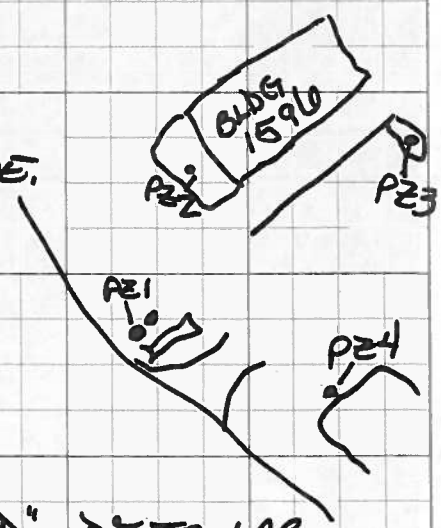
0640 DF ARRIVE AT SITE 1596 TO MEASURE GW LEVELS

0645	DEPTH TO GW	WELL DEPTH	GW ELEV
PZ1	7.92	9.88	16.40'
PZ2	6.26	9.62	16.51'
PZ3	5.48	8.32	16.23'
PZ4	1.89	5.12	16.61'

0700 COMPLETED WATER LEVELS

0730 BEGAN SHOOTING IN PZ LOCATIONS WITH SCOPE.

	SHOT 1	SHOT 2	Δ	MEAN	ADJ SEA LEVEL +20'
X	5.04	4.84	-.20		~~B 24.32'~~
1	0.72	0.52	-.20	4.32	~~B 22.77'~~ 24.32
2	2.27	2.07	-.20	2.77	~~B 21.71'~~ 22.77'
3	3.33	3.13	-.20	1.71	21.71'
4	6.54	6.34	-.20	-1.50	18.50'



0930 KW TO SITE 1241 TO MOVE PIEZOMETER "D". DF TO LAB.

0945 ALL CREW DEPARTS.

Diane Fears

TETRA TECH NUS, INC. | CHAIN OF CUSTODY | NUMBER № 2639 | PAGE 1 OF 2

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112C04630	NAVSTA MAYPORT	D. FEARS	904-636-6125	ALS
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
JC WLT		D. FEARS	904-636-6125	9143 PHILIPS HWY STE 200
		CARRIER/WAYBILL NUMBER		CITY, STATE
				JACKSONVILLE, FL

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

DATE YEAR 2012	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	TRPH-FL PRO	SVOCs	PAHs-8270D-SIM	SVOCs-8270D				COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G		G	G				
PRESERVATIVE USED									-		-	-				
12/12	1035	MPT-1241-SB01-0103-121212		1	3	SO	G	1	✓		NO HOLD	✓				COOL TO 4°C
12/12	1040	MPT-1241-SB01-0305-121212		3	5	SO	G	1	✓		NO HOLD	✓				
12/12	1050	MPT-1241-SB01-0507-121212		5	7	SO	G	1	✓		NO HOLD	✓		SEE NOTE BELOW (1)		
12/12	1115	MPT-1241-SB02-0305-121212		3	5	SO	G	1	✓		NO HOLD	✓				
12/12	1120	MPT-1241-SB02-0507-121212		5	7	SO	G	1	✓		NO HOLD	✓				
12/12	1150	MPT-1241-SB04-0103-121212		1	3	SO	G	1	✓		✓					- RUN ALL FOR TRPH - STANDARD TAT
12/12	1200	MPT-1241-SB04-0305-121212		3	5	SO	G	1	✓		✓					
12/12	1205	MPT-1241-SB04-0507-121212		5	7	SO	G	1	✓		✓		(2)			
12/12	1230	MPT-1241-SB05-0103-121212		1	3	SO	G	1	✓		✓					
12/12	1240	MPT-1241-SB05-0305-121212		3	5	SO	G	1	✓		✓					
12/12	1245	MPT-1241-SB05-0507-121212		5	7	SO	G	1	✓		✓					

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
Dave Fenn	12/13/12	1015	[illegible]	12/13/12	1015
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS (1) RUN FULL SVOC RUSH TURNAROUND ON THESE 5 SAMPLES

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

(2) HOLD PAH SAMPLE UNTIL THE PREVIOUS SVOC (1) SAMPLES ARE RUN

4/02R
FORM NO. TtNUS-001

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER № 2638 | PAGE 2 OF 2

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112C04630	NAVSTA MAYPORT	D. FEARS	904-636-6125	ALS
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
K. Wilt		D. FEARS	904-636-6125	9143 PHILIPS HWY STE 200
		CARRIER/WAYBILL NUMBER		CITY, STATE
				JACKSONVILLE, FL

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G
PRESERVATIVE USED: - -

DATE YEAR 2012	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	TRPH-FLPRD	PAHS-8270 SIM							COMMENTS
12/12	1340	MPT-1241-SB06-0103-121212		1	3	SO	G	1	✓	✓							-COOL TO 4°C
12/12	1345	MPT-1241-SB06-0305-121212		3	5	SO	G	1	✓	✓							
12/12	1350	MPT-1241-SB06-0507-121212		5	7	SO	G	1	✓	✓							
12/12	1425	MPT-1241-SB07-0103-121212		1	3	SO	G	1	✓	✓							
12/12	1430	MPT-1241-SB07-0305-121212		3	5	SO	G	1	✓	✓		(2)					-RUN ALL FOR
12/12	1435	MPT-1241-SB07-0507-121212		5	7	SO	G	1	✓	✓							TRPH - STANDARD
12/12	1505	MPT-1241-SB08-0103-121212		1	3	SO	G	1	✓	✓							TAT
12/12	1510	MPT-1241-SB08-0305-121212		3	5	SO	G	1	✓	✓							
12/12	1515	MPT-1241-SB08-0507-121212		5	7	SO	G	1	✓	✓							

1. RELINQUISHED BY Dave Fears	DATE 12/13/12	TIME 1015	1. RECEIVED BY [signature]	DATE 12/13/12	TIME 1015
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS (2) SEE NOTE ON PAGE 1

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

Sample ID No.: MPT-1241-SB01-0103-121212
Sample Location: SB01
Sampled By: KW
C.O.C. No.: 21639

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date: 12/12/12	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Time: 1035	01-03'	LT BRN	FINE TO MED Gram sand with shell fragments
Method: Grab			
Monitor Reading (ppm):			

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
	10			
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
~~SVOC~~ PAH 8270SIM	1-8oz jar	✓	
TPH FLPRO		✓	
SVOC 8270			

OBSERVATIONS / NOTES:

Light Petroleum odor

MAP:

XFMR

01

VN

Circle if Applicable:

MS/MSD

Duplicate ID No.:

Signature(s): K.W.

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112CO 4630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB01-0305-121212
Sample Location: SB01
Sampled By: RW
C.O.C. No.: 2639

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/17/12 Time: 1040 Method: Grab Monitor Reading (ppm):	03-05	LTBRN	LT to Med grain sand with shell fragments

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

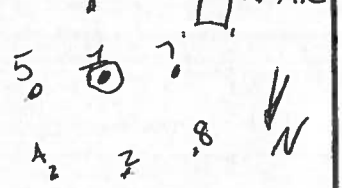
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
~~SVOC~~ PAH 8270 SIM	1-8oz jar	✓	
TPH FL PRO		✓	
SVOC 8270			

OBSERVATIONS / NOTES:

very light petroleum odor

MAP:



Circle If Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): R. Wilt

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112 CO 41050

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB01-0507-121212
Sample Location: SB01
Sampled By: RW
C.O.C. No.: 2639

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1050 Method: Grab Monitor Reading (ppm):	05-07'	LTBrn	Fine sand with shell fragments

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

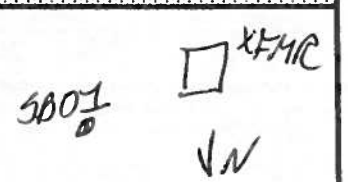
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM	1-8oz jar	✓	
TPH FLPRO		✓	
SVOC 8270			

OBSERVATIONS / NOTES:

very light petroleum odor

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): R. Will

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 124
Project No.: 112 CO 4630

Sample ID No.: MPT-1241-SB02-0305-121212
Sample Location: SB02
Sampled By: KW
C.O.C. No.: 2639

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1115 Method: Grab Monitor Reading (ppm):	3-5	Very light brown	Fine sand with shell fragments

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

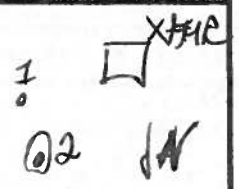
SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM pending	1-8oz jar	✓	
TPH FL PRO		✓	
SVOC 8270			

OBSERVATIONS / NOTES:

light petroleum odor

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wilt

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB02-0507-121212
Sample Location: SB02
Sampled By: KW
C.O.C. No.: 2639

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1120 Method: Grab Monitor Reading (ppm):	5-7'	white	Fine white sand

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270SIM	1-8oz jar		
TPH FLPRO			
SVOC 8270			

OBSERVATIONS / NOTES:

Light petroleum odor

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K.W.L.

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 124
Project No.: 112C04630

Sample ID No.: MPT-1241-SB04-0103-121212
Sample Location: SB04
Sampled By: RW
C.O.C. No.: 2639

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1150 Method: Grab Monitor Reading (ppm):	1-3'	LT-Med Brown	FINE-MED GRAIN SANDS MANY SHELLS AND FRAGMENTS

COMPOSITE SAMPLE DATA:

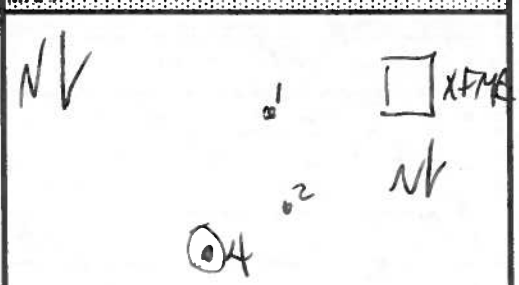
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM TPH FLPRO	1-8oz jar		

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): R. Wet

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

Sample ID No.: MPT-1241-SB04-0305-121212
Sample Location: SB04
Sampled By: KW
C.O.C. No.: 2639

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 12PM Method: Grab Monitor Reading (ppm):	3-5'	LTBRN	FINE SAND FEW SHELL FRAGMENTS

COMPOSITE SAMPLE DATA:

Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM	1-8oz jar	✓	
TPH FL PRO		✓	

OBSERVATIONS / NOTES:

MAP:

Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): JL. Wet

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112CO46.30

Sample ID No.: MNT-1241-SB04-0507-121212
Sample Location: SB04
Sampled By: RW
C.O.C. No.: 24639

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1205 Method: Grab Monitor Reading (ppm):	5-7'	LT Brown-white	Fine sand with shell fragments

COMPOSITE SAMPLE DATA:

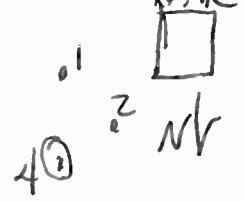
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270SIM	1-8oz jar	✓	
TPH FL PRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): TL-WLH

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB05-0103-121212
Sample Location: SB05
Sampled By: KW
C.O.C. No.: 21639

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1230 Method: Grab Monitor Reading (ppm):	1-3'	LT Brn Med Gray	Medium-fine sand with shell fragments

COMPOSITE SAMPLE DATA:

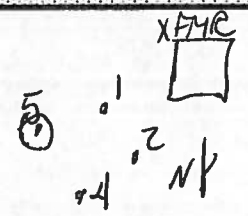
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM	1-8oz jar	✓	
TPH FL PRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wall

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB05-0305-121212
Sample Location: SB05
Sampled By: KW
C.O.C. No.: 2639

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1240 Method: Grab Monitor Reading (ppm):	3-5'	WHITE WITH RED/GRAY	MOSTLY WHITE SAND WITH RED/GRAY CLAY LENSES WITH FEW SHELL FRAGMENTS

COMPOSITE SAMPLE DATA:

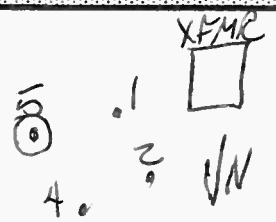
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM	1-8oz jar	✓	
TPH FL PRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [illegible]

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB05-0507-121212
Sample Location: SB05
Sampled By: KW
C.O.C. No.: 21639

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1245 Method: Grab Monitor Reading (ppm):	5-7'	WHITE	FINE WHITE SAND WITH SHELL FRAGMENTS

COMPOSITE SAMPLE DATA:

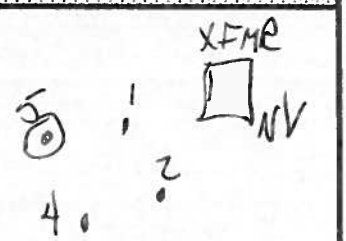
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM	1-8oz jar	✓	
TPH EPPRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wilt

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB06-0103-121212
Sample Location: SB06
Sampled By: KW
C.O.C. No.: 2638

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

Date: 12/12/12
Time: 1340
Method: Grab
Monitor Reading (ppm):

Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
1-3'	LT-Med Brn	fine to med grain sands with many shell fragments

COMPOSITE SAMPLE DATA:

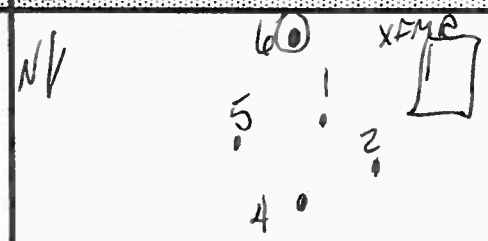
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270SIM	1-8oz jar	✓	
TPH FL PRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wet

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112CO4630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB06-0305-121212
Sample Location: SB06
Sampled By: KW
C.O.C. No.: 2638

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1345 Method: Grab Monitor Reading (ppm):	3-5'	White-Lt orn	fine sand with few shells

COMPOSITE SAMPLE DATA:

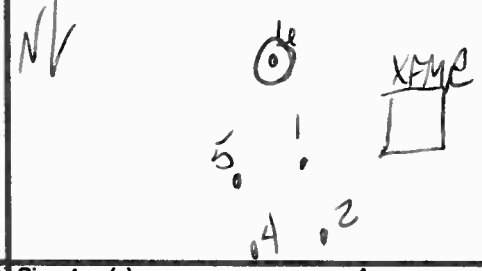
Date:	Time	Depth interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270SIM	1-8oz. jar	✓	
TPH FLPRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wolt

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04030

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB06 0507-121212
Sample Location: SB06
Sampled By: KW
C.O.C. No.: 2638

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1350 Method: Grab Monitor Reading (ppm):	5-7'	white	fine sands with few shells

COMPOSITE SAMPLE DATA:

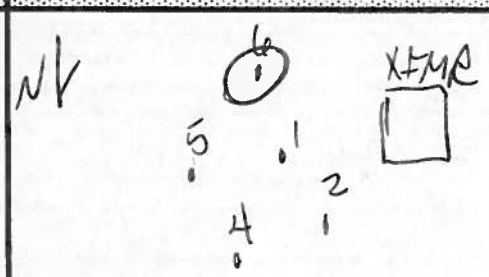
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270SIM	1-8oz jar	✓	
TPH FL PRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wolt

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

Sample ID No.: MPT-1241-SB07-0103-121212
Sample Location: SB07
Sampled By: RW
C.O.C. No.: 21638

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1425 Method: Grab Monitor Reading (ppm):	1-3'	Lt to Med BRN	Fine to med sands with many rocks + shells

COMPOSITE SAMPLE DATA:

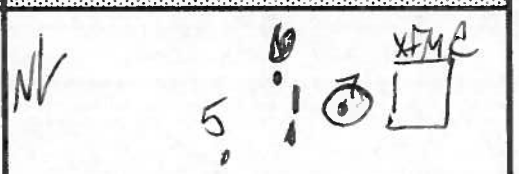
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270SIM	1-8oz jar	✓	
TPH FL PRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): [illegible]

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C04630

Sample ID No.: MPT-1241-SB07-0305-121212
Sample Location: SB07
Sampled By: KW
C.O.C. No.: 2638

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1430 Method: Grab Monitor Reading (ppm):	3-5'	LT BRN to white	fine sand with very few shells

COMPOSITE SAMPLE DATA:

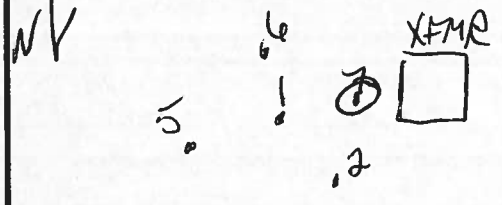
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270SIM	1-8oz jar	✓	
TPH FLPRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): TL-WCT

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112CO 4630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB07-0507-121212
Sample Location: SB07
Sampled By: KW
C.O.C. No.: 2638

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1435 Method: Grab Monitor Reading (ppm):	5-7'	White to Brn	white sand with brown sandy clay

COMPOSITE SAMPLE DATA:

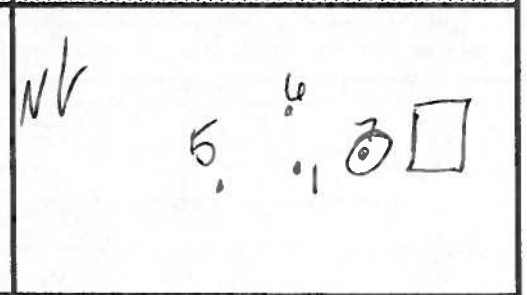
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM	1-8oz jar	✓	
TPH FLPRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wolf

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C041030

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB08-0103-121212
Sample Location: SB08
Sampled By: KD
C.O.C. No.: 21638

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1505 Method: Grab Monitor Reading (ppm):	1-3'	Lt to Med Brn	~~Lt Br~~ Fine to med grain sand with many shell fragments

COMPOSITE SAMPLE DATA:

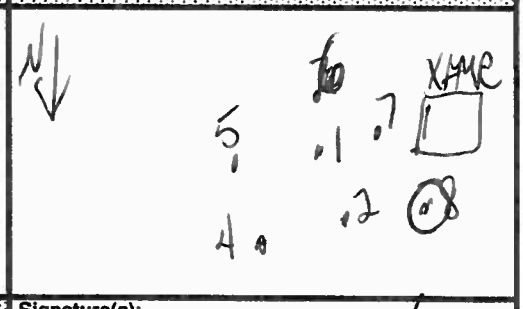
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM TPH FLPRO	1-8oz jar		

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wilch

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112CO 4630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB08-0305-121212
Sample Location: SB08
Sampled By: RW
C.O.C. No.: 2638

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1510 Method: Grab Monitor Reading (ppm):	3-5'	LT Brn	fine sand with few shell fragments

COMPOSITE SAMPLE DATA:

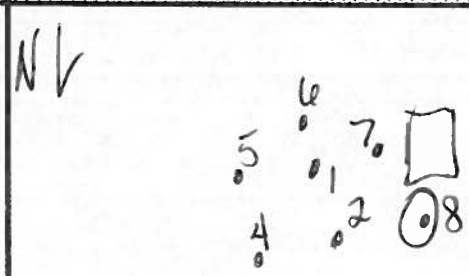
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270 SIM	1-8oz jar	✓	
TPH FL PRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): R. Wilt

Tetra Tech

SOIL & SEDIMENT SAMPLE LOG SHEET

Page___ of ___

Project Site Name: NAVSTA MAYPORT SITE 1241
Project No.: 112C03630

[] Surface Soil
[X] Subsurface Soil
[] Sediment
[] Other:
[] QA Sample Type:

Sample ID No.: MPT-1241-SB08-0507-121212
Sample Location: SB08
Sampled By: KW
C.O.C. No.: 2638

Type of Sample:
[] Low Concentration
[] High Concentration

GRAB SAMPLE DATA:

	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Date: 12/12/12 Time: 1515 Method: Grab Monitor Reading (ppm):	5-7'	WHITE to LT BROWN	Fine sand with light brown sandy clay interspersed

COMPOSITE SAMPLE DATA:

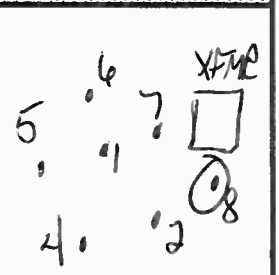
Date:	Time	Depth Interval	Color	Description (Sand, Silt, Clay, Moisture, etc.)
Method:				
Monitor Readings (Range in ppm):				

SAMPLE COLLECTION INFORMATION:

Analysis	Container Requirements	Collected	Other
PAH 8270SIM	1-8oz jar	✓	
TPH FL PRO		✓	

OBSERVATIONS / NOTES:

MAP:



Circle if Applicable:

MS/MSD	Duplicate ID No.:

Signature(s): K. Wilt

112C04630

NAVSTA MAYPORT SITES 1241 + 1596
INSTALL MONITORING WELL 12/20/2012

PERSONNEL: D. FEARS, K. WEICHERT, J. NIX, M. RICHARDS (PDI)
(DF = SSO, FOL) (PDI = PREFERRED DRILLING, INC

TRUCK: POV
WEATHER: SUNNY, 53°F
EQUIP: DRILL RIG, (GEOPROBE 66 DT) TRUCK, TRAILER
OBJ: INSTALL MONITORING WELL AT SITE 1241 PARKING AREA

0830 DRILLING SUBCONTRACTOR AND TRIECO AND TETRATECH meet at PARKING LOT AT A1A AND WONDERWOOD FOR INSPECTION AND SAFETY BRIEF. DRILLERS (PREFERRED DRILLING, INC) DID NOT HAVE INSURANCE PROOF OR CURRENT REGISTRATION. DF TO NAVSTA MAYPORT ENVIRONMENTAL OFFICE TO RECEIVE FAX.

0915 TO FRONT GATE FOR INSPECTION AND CONTRACTOR ACCESS. KW TO SITE 1596 TO REMOVE PIEZOMETERS

1000 AT SITE 1241 PARKING AREA, UNLOADING DIRECT PUSH RIG

1010 BEGIN DIRECT PUSH DRILLING AT CORE #2. LOCATION WAS CLEARED TO 7' BLS BY HAND AUGERING. SEE MW LOG MPT-1241-~~MW0~~ MW7

1025 BEGIN DEVELOPING WELL USING PERISTALTIC ~~PUMP~~ PUMP.

1055 WELL DEVELOPMENT COMPLETED TO 18 NTU PER MICROTDW TURBIDOMETER APPROX 5 GAL REMOVED FROM WELL (~10-15 WELL VOLUMES)

1130 WELL GROUTED; PAD AND COVER INSTALLED. SITE CLEANED UP. TO IDW STORAGE AREA.

1145 IDW WATER PUT INTO PETROLEUM WATER TOTE AND DRILL CUTTINGS PUT INTO ~~SOLID~~ PETROLEUM CONTAMINATED SOLIDS DRUM AT IDW STORAGE AREA. APPROX. 5 GALLONS WATER AND APPROX. 5 GALLON BUCKET VOLUME OF SOIL. SUBCONTRACTOR (PDI) COMPLETED/SIGNED DAILY ACTIVITY LOG. SITE SECURED AND ALL CREW DEPARTS. KEY TO STORAGE AREA ~~GO~~ RETURNED TO ENVIRONMENTAL OFFICE.

DF

Diane Fears

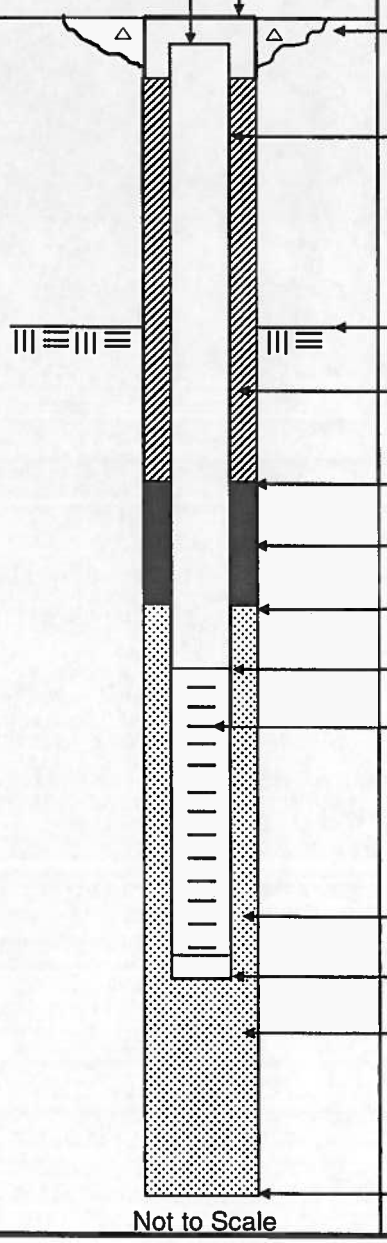
Tetra Tech NUS, Inc.

WELL No.: MPT-1241-MW07

MONITORING WELL SHEET

PROJECT:	1241 NAVSTA MAYPORT	DRILLING Co.:	PREFERRED	BORING No.:	SB02
PROJECT No.:	112C04630	DRILLER:	J. NIX	DATE COMPLETED:	12-20-12
SITE:	1241	DRILLING METHOD:	DPT	NORTHING:	
GEOLOGIST:	D. FEARS	DEV. METHOD:	PP/BLADDER	EASTING:	

Ground Elevation =
Datum:



Elevation / Depth of Top of Riser: / 0.0'

Elevation / Height of Top of Surface Casing: / 0.0'

I.D. of Surface Casing: 8"

Type of Surface Casing: STEEL

Type of Surface Seal: CONCRETE

I.D. of Riser: 1"

Type of Riser: PVC

Borehole Diameter: 4"

Elevation / Depth Top of Rock: / NA

Type of Backfill: GROUT

Elevation / Depth of Seal: / 4.0'

Type of Seal: 30/65 SAND

Elevation / Depth of Top of Filter Pack: / 6.0'

Elevation / Depth of Top of Screen: / 8.0'

Type of Screen: SCHED 40 PVC

Slot Size x Length: .0010

I.D. of Screen: 1"

Type of Filter Pack: 20/30 SAND

Elevation / Depth of Bottom of Screen: / 18.0'

Elevation / Depth of Bottom of Filter Pack: / 18.0'

Type of Backfill Below Well:

Elevation / Total Depth of Borehole: / 18.1'

Tetra Tech NUS, Inc.

DAILY ACTIVITIES RECORD

PROJECT NAME:	NAVSTA MAYPORT SITES 1241	**PROJECT NUMBER:**	112CO 4360
CLIENT:	US NAVY	**LOCATION:**	NAVSTA MAYPORT
DATE:	12/20/2012	**ARRIVAL TIME:**	0855
Tt NUS PERSONNEL:	DFEARS	**DEPARTURE TIME:**	
CONTRACTOR:	PREFERRED DRILLING	**DRILLER:**	JNX

ITEM	QUANTITY ESTIMATE	QUANTITY TODAY	PREVIOUS TOTAL QUANTITY	CUMULATIVE QUANTITY TO DATE
MONITORING WELL (1)	1	1	0	1
WELL COMPLETION	1	1	0	1
MOB/DEMOB	1	1	0	1

COMMENTS: (1) INSTALLED TO 18' BGS (FLUSH MOUNT)

APPROVED BY: Diane R Fears

~~Tt NUS~~ REPRESENTATIVE
F TRIECO, LLC

Joseph [illegible]

DRILLER

DATE: 12/20/2012

Equipment Inspection Checklist for Drill Rigs

Company: PREFERRED

Unit/Serial No#:

Inspection Date: 12 / 20 / 12 **Time:** 0830

Equipment Type: 66DT
(e.g., Drill Rigs Hollow Stem, Mud Rotary, Direct Push, HDD)

Project Name: NAVSTA MAYPORT SITES 1241 + 1596

Project No#: 112C041030

Yes	No	NA	Requirement	Comments
			Emergency Stop Devices	
☒	☐	☐	• Emergency Stop Devices (At points of operation)	
☒	☐	☐	• Have all emergency shut offs identified been communicated to the field crew?	
☒	☐	☐	• Has a person been designated as the Emergency Stop Device Operator?	
			Highway Use	
☒	☐	☐	• Cab, mirrors, safety glass?	
☒	☐	☐	• Turn signals, lights, brake lights, etc. (front/rear) for equipment approved for highway use?	
☒	☐	☐	• Seat Belts?	
☐	☒	☐	• Is the equipment equipped with audible back-up alarms and back-up lights?	
☒	☐	☐	• Horn and gauges	
☒	☐	☐	• Brake condition (dynamic, park, etc.)	
☒	☐	☐	• Tires (Tread) or tracks	
☒	☐	☐	• Windshield wipers	
☒	☐	☐	• Exhaust system	
☒	☐	☐	• Steering (standard and emergency)	
☐	☐	☒	• Wheel Chocks?	
☒	☐	☐	• Are tools and material secured to prevent movement during transport? Especially those within the cab?	
☐	☒	☐	• Are there flammables or solvents or other prohibited substances stored within the cab?	
☐	☒	☐	• Are tools or debris in the cab that may adversely influence operation of the vehicle (in and around brakes, clutch, gas pedals)	

Yes	No	NA	Requirement	Comments
			Fluid Levels:	
☒	☐	☐	• Engine oil	
☒	☐	☐	• Transmission fluid	
☒	☐	☐	• Brake fluid	
☒	☐	☐	• Cooling system fluid	
☒	☐	☐	• Hoses and belts	
☒	☐	☐	• Hydraulic oil	
			High Pressure Hydraulic Lines	
☐	☒	☐	• Obvious damage	
☐	☒	☐	• Operator protected from accidental release	
☐	☒	☐	• Coupling devices, connectors, retention cables/pins are in good condition and in place	
			Mast Condition	
☒	☐	☐	• Structural components/tubing	
☒	☐	☐	• Connection points	
☒	☐	☐	• Pins	
☒	☐	☐	• Welds	
☒	☐	☐	• Outriggers	
☒	☐	☐	• Operational	
☒	☐	☐	• Plumb (when raised)	
			Hooks	
☐	☐	☒	• Are the hooks equipped with Safety Latches?	
☐	☐	☒	• Does it appear that the hook is showing signs of wear in excess of 10% original dimension?	
☐	☐	☒	• Is there a bend or twist exceeding 10% from the plane of an unbent hook?	
☐	☐	☒	• Increase in throat opening exceeding 15% from new condition	
☐	☐	☒	• Excessive nicks and/or gouges	
☐	☐	☒	• Clips	
☐	☐	☒	• Number of U-Type (Crosby) Clips (cable size 5/16 – 5/8 = 3 clips minimum) (cable size 3/4 – 1 inch = 4 clips minimum) (cable size 1 1/8 – 1 3/8 inch = 5 clips minimum)	

Equipment Inspection Checklist for Drill Rigs

Yes	No	NA	Requirement	Comments
			Power cable and/or hoist cable	
☐	☐	☒	• Reduction in Rope diameter π (5/16 wire rope>1/64 reduction nominal size -replace) (3/8 to 1/2 wire rope>1/32 reduction nominal size-replace) (9/16 to 3/4 wire rope>3/64 reduction nominal size-replace)	
☐	☐	☒	• Number of broken wires (6 randomly broken wires in one rope lay) (3 broken wires in one strand)	
☐	☐	☒	• Number of wire rope wraps left on the Running Drum at nominal use (≥3 required)	
☐	☐	☒	- Lead (primary) sheave is centered on the running drum	
☐	☐	☒	• Lubrication of wire rope (adequate?)	
☐	☐	☒	• Kinks, bends – Flattened to > 50% diameter	
			Hemp/Fiber rope (Cathead/Split Spoon Hammer)	
☐	☐	☒	• Minimum ¾; maximum 1 inch rope diameter (Inspect for physical damage)	
☐	☐	☒	• Rope to hammer is securely fastened	
			Safety Guards –	
☐	☐	☒	• Around rotating apparatus (belts, pulleys, sprockets, spindles, drums, flywheels, chains) all points of operations protected from accidental contact?	
☒	☐	☐	• Hot pipes and surfaces exposed to accidental contact?	
☒	☐	☐	• High pressure lines	
☒	☐	☐	• Nip/pinch points	
			Operator Qualifications	
☒	☐	☐	• Does the operator have proper licensing where applicable, (e.g., CDL)?	
☒	☐	☐	• Does the operator, understand the equipment's operating instructions?	
☒	☐	☐	• Is the operator experienced with this equipment?	
☒	☐	☐	• Is the operator 21 years of age or more?	

Equipment Inspection Checklist for Drill Rigs

904-270-7398

Yes	No	NA	Requirement	Comments
			PPE Required for Drill Rig Exclusion Zone	
☒	☐	☐	• Hardhat	
☒	☐	☐	• Safety glasses	
☐	☒	☐	• Work gloves	
☒	☐	☐	• Chemical resistant gloves_____	
☒	☐	☐	• Steel toed Work Boots	
☐	☒	☐	• Chemical resistant Boot Covers	
☐	☒	☐	• Apron	
☐	☒	☐	• Coveralls Tyvek, Saranex, cotton)_____	
			Other Hazards	
☒	☐	☐	• Excessive Noise Levels? — HEARING PROTECTION REQUIRED _____dBA	
☒	☐	☐	• Chemical hazards (Drilling supplies - Sand, bentonite, grout, fuel, etc.)	
☒	☐	☐	- MSDSs available?	
☐	☒	☐	• Will On-site fueling occur	
☐	☐	☐	- Safety cans available?	
☒	☐	☐	- Fire extinguisher (Type/Rating - ABC _____)	

Approved for Use ☒ Yes ☐ No ☐ See Comments

Site Health and Safety Officer

Operator

APPENDIX E

LABORATORY ANALYTICAL RESULTS

December 07, 2012 Service Request No:J1205834

Diane Fears
TriEco, LLC
8640 Philips Highway
Suite 16
Jacksonville, FL 32256

Laboratory Results for: NS Mayport

Dear Diane,

Enclosed are the results of the sample(s) submitted to our laboratory November 29, 2012
For your reference, these analyses have been assigned our service request number **J1205834.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at Craig.Myers@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Enviromental

Craig Myers
Project Manager

ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256
PHONE +1 904 739 2277 | FAX +1 904 739 2011
Columbia Analytical Services, Inc.
Part of the ALS Group A Campbell Brothers Limited Company

ALS Environmental

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request: J1205834
Date Received: 11/29/12

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

Two water samples, six soil samples, and one trip blank were received for analysis at Columbia Analytical Services on 11/29/12. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at ≤6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Volatile Organic Analyses:

Method 8260B: Method Blank JQ1207825-02 contained a low level of Methylene Chloride above the Method Detection Limit (MDL), but less than the Method Reporting Limit (MRL). All soil samples exhibited Methylene Chloride in approximately the same concentration as the method blank. The data is flagged with a qualifier to indicate the results are estimated values. The method blank results may indicate the potential for a false positive.

Semi-Volatile Organic Analyses:

Method 8270C: The upper control criterion was exceeded for the following surrogate in Method Blank JQ1207672-01: 2-Fluorophenol. No target analytes were detected in the Method Blank. Since the apparent problem equates to a high bias, the data quality is not significantly affected. No further corrective action was appropriate.

Method 8270C: The upper control criterion was exceeded for the following surrogate in sample J1205834-008: 2-Fluorophenol. No target analytes were detected in the sample. The error associated with an elevated recovery equates to a high bias. The quality of the sample data is not significantly affected and no further corrective action was appropriate.

Method 8270C: The control criterion was exceeded for the following surrogate in sample J1205834-003 due to suspected matrix interference: 2,4,6-Tribromophenol. The sample contained non-target background components that adversely affected the surrogate recovery. No further corrective action was appropriate.

Method 8270C: The reporting limit is elevated for all analytes in sample J1205834-002. The sample extract was diluted prior to instrumental analysis due to relatively high levels of non-target background components. The extract was highly colored and odorous, which indicated the need to perform a dilution prior to injection into the instrument.

Method 8082: The confirmation comparison criterion of 40% difference for Aroclor-1260 was exceeded in sample J1205834-003. The higher of the two values is reported because no evidence of matrix interference was observed.

Method 8082: The reporting limit is elevated for Aroclor-1016, Aroclor-1221, Aroclor-1232, and Aroclor-1242 in sample J1205834-008. The sample extract was diluted prior to instrumental analysis due to relatively high levels of non-target background

Approved by _____ Date 12/7/2012

components (Sulfur). Clean-up of the extract was performed within the scope of the method, but did not eliminate enough of the background components to prevent dilution.

Metals Analyses:

No significant data anomalies were noted with this analysis.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

ALS Environmental

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Florida Department of Health	E82502	6/30/2013
North Carolina Department of Environment and Natural Resources	527	12/31/2012
Virginia Environmental Accreditation Program	460191	12/14/2012
Louisiana Department of Environmental Quality	02086	6/30/2013
Georgia Department of Natural Resources	958	6/30/2013
Kentucky Division of Waste Management	63	7/5/2013
South Carolina Department of Health and Environmental Control	96021001	6/30/2013
Texas Commision on Environmental Quality	T104704197-09-TX	5/31/2013
Maine Department of Health and Human Services	2011006	2/3/2013
Department of Defense	66206	5/31/2013

Data Qualifiers

Florida-DEP

!	Data deviates from historically established concentration ranges
*	Not reported due to interference
?	Data is rejected and should not be used
A	Value reported is the arithmetic mean of two or more determininations
B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory PQL.
J	Estimated value.
K	Off scale low. The value is less than the lowest calibration standard.
L	Off scale high. The analyte is above the acceptable level of quantitation.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed
Q	Sample held beyond the acceptable holding time.
R	Significant rain in the past 48 hours (typically in excess of 0.5 inches)
T	Estimated value, less than the MDL
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
X	Insufficient individuals were present in the sample to achieve a minimum of 280 organisms for identification (Stream Condition Index Analysis only)
Y	The laboratory analysis was from an unpreserved or improperly preserved sample.
Z	Too many colonies were present, the numeric value represents the filtration volume

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: TriEco, LLC **Service Request:**J1205834
Project: NS Mayport/112CO4630

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1205834-001	MPT-1241-SS03-0102-112812	11/28/2012	0915
J1205834-002	MPT-1241-SB03-0405-112812	11/28/2012	0947
J1205834-003	MPT-1241-SS02-0102-112812	11/28/2012	1045
J1205834-004	MPT-1241-GW03-112812	11/28/2012	1210
J1205834-005	MPT-1596-SB01-0203-112812	11/28/2012	1400
J1205834-006	MPT-1596-SB01-0405-112812	11/28/2012	1410
J1205834-007	MPT-1596-SB03-0203-112812	11/28/2012	1445
J1205834-008	MPT-1596-GW01-112812	11/28/2012	1555
J1205834-009	Trip Blank	11/28/2012	0000

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:15
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS03-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,1,1,2-Tetrachloroethane	0.473	U	5.76	0.473	1	12/05/12 22:45	12/5/12	
1,1,1-Trichloroethane (TCA)	0.265	U	5.76	0.265	1	12/05/12 22:45	12/5/12	
1,1,2,2-Tetrachloroethane	0.265	U	5.76	0.265	1	12/05/12 22:45	12/5/12	
1,1,2-Trichloroethane	0.450	U	5.76	0.450	1	12/05/12 22:45	12/5/12	
1,1-Dichloroethane (1,1-DCA)	0.358	U	5.76	0.358	1	12/05/12 22:45	12/5/12	
1,1-Dichloroethene (1,1-DCE)	0.795	U	5.76	0.795	1	12/05/12 22:45	12/5/12	
1,2,3-Trichloropropane	0.876	U	5.76	0.876	1	12/05/12 22:45	12/5/12	
1,2-Dibromo-3-chloropropane (DBCP)	0.611	U	11.5	0.611	1	12/05/12 22:45	12/5/12	
1,2-Dibromoethane (EDB)	0.668	U	5.76	0.668	1	12/05/12 22:45	12/5/12	
1,2-Dichlorobenzene	0.369	U	5.76	0.369	1	12/05/12 22:45	12/5/12	
1,2-Dichloroethane	0.346	U	5.76	0.346	1	12/05/12 22:45	12/5/12	
1,2-Dichloropropane	0.473	U	5.76	0.473	1	12/05/12 22:45	12/5/12	
1,3-Dichlorobenzene	0.346	U	5.76	0.346	1	12/05/12 22:45	12/5/12	
1,4-Dichlorobenzene	0.116	U	5.76	0.116	1	12/05/12 22:45	12/5/12	
2-Butanone (MEK)	1.85	U	28.8	1.85	1	12/05/12 22:45	12/5/12	
2-Hexanone	2.54	U	11.5	2.54	1	12/05/12 22:45	12/5/12	
4-Methyl-2-pentanone (MIBK)	1.73	U	11.5	1.73	1	12/05/12 22:45	12/5/12	
Acetone	**13.4**	**I**	144	2.65	1	12/05/12 22:45	12/5/12	
Benzene	0.196	U	5.76	0.196	1	12/05/12 22:45	12/5/12	
Bromochloromethane	0.692	U	5.76	0.692	1	12/05/12 22:45	12/5/12	
Bromodichloromethane	0.427	U	5.76	0.427	1	12/05/12 22:45	12/5/12	
Bromoform	0.392	U	5.76	0.392	1	12/05/12 22:45	12/5/12	
Bromomethane	0.311	U	5.76	0.311	1	12/05/12 22:45	12/5/12	
Carbon Disulfide	0.922	U	11.5	0.922	1	12/05/12 22:45	12/5/12	
Carbon Tetrachloride	0.219	U	5.76	0.219	1	12/05/12 22:45	12/5/12	
Chlorobenzene	0.162	U	5.76	0.162	1	12/05/12 22:45	12/5/12	
Chloroethane	0.381	U	5.76	0.381	1	12/05/12 22:45	12/5/12	
Chloroform	0.208	U	5.76	0.208	1	12/05/12 22:45	12/5/12	
Chloromethane	0.242	U	5.76	0.242	1	12/05/12 22:45	12/5/12	
cis-1,2-Dichloroethene	0.381	U	5.76	0.381	1	12/05/12 22:45	12/5/12	
cis-1,3-Dichloropropene	0.162	U	5.76	0.162	1	12/05/12 22:45	12/5/12	
Dibromochloromethane	0.254	U	5.76	0.254	1	12/05/12 22:45	12/5/12	
Dibromomethane	0.450	U	5.76	0.450	1	12/05/12 22:45	12/5/12	
Dichlorodifluoromethane	0.208	U	23.0	0.208	1	12/05/12 22:45	12/5/12	
Ethylbenzene	0.139	U	5.76	0.139	1	12/05/12 22:45	12/5/12	
Iodomethane	1.27	U	11.5	1.27	1	12/05/12 22:45	12/5/12	
m,p-Xylenes	0.242	U	11.5	0.242	1	12/05/12 22:45	12/5/12	
Methyl tert-Butyl Ether	0.300	U	5.76	0.300	1	12/05/12 22:45	12/5/12	
Methylene Chloride	**1.60**	**IV**	11.5	0.358	1	12/05/12 22:45	12/5/12	
o-Xylene	0.185	U	5.76	0.185	1	12/05/12 22:45	12/5/12	
Styrene	0.311	U	5.76	0.311	1	12/05/12 22:45	12/5/12	
Tetrachloroethene (PCE)	0.288	U	5.76	0.288	1	12/05/12 22:45	12/5/12	
Toluene	0.311	U	5.76	0.311	1	12/05/12 22:45	12/5/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:15
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS03-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-001	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
trans-1,2-Dichloroethene	0.450 U	5.76	0.450	1	12/05/12 22:45	12/5/12	
trans-1,3-Dichloropropene	0.254 U	5.76	0.254	1	12/05/12 22:45	12/5/12	
trans-1,4-Dichloro-2-butene	0.622 U	23.0	0.622	1	12/05/12 22:45	12/5/12	
Trichloroethene (TCE)	0.288 U	5.76	0.288	1	12/05/12 22:45	12/5/12	
Trichlorofluoromethane	0.242 U	23.0	0.242	1	12/05/12 22:45	12/5/12	
Vinyl Acetate	1.39 U	11.5	1.39	1	12/05/12 22:45	12/5/12	
Vinyl Chloride	0.300 U	5.76	0.300	1	12/05/12 22:45	12/5/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	80 - 120	12/05/12 22:45	
4-Bromofluorobenzene	99	64 - 135	12/05/12 22:45	
Dibromofluoromethane	101	74 - 125	12/05/12 22:45	
Toluene-d8	99	46 - 156	12/05/12 22:45	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:15
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS03-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	68.4 U	184	68.4	1	12/05/12 07:07	12/3/12	
1,2-Dichlorobenzene	34.8 U	184	34.8	1	12/05/12 07:07	12/3/12	
1,3-Dichlorobenzene	41.3 U	184	41.3	1	12/05/12 07:07	12/3/12	
1,4-Dichlorobenzene	44.5 U	184	44.5	1	12/05/12 07:07	12/3/12	
1-Methylnaphthalene	71.7 U	184	71.7	1	12/05/12 07:07	12/3/12	
2,4,5-Trichlorophenol	61.9 U	184	61.9	1	12/05/12 07:07	12/3/12	
2,4,6-Trichlorophenol	54.3 U	184	54.3	1	12/05/12 07:07	12/3/12	
2,4-Dichlorophenol	68.4 U	184	68.4	1	12/05/12 07:07	12/3/12	
2,4-Dimethylphenol	90.1 U	184	90.1	1	12/05/12 07:07	12/3/12	
2,4-Dinitrophenol	25.0 U	727	25.0	1	12/05/12 07:07	12/3/12	
2,4-Dinitrotoluene	44.5 U	184	44.5	1	12/05/12 07:07	12/3/12	
2,6-Dinitrotoluene	52.1 U	184	52.1	1	12/05/12 07:07	12/3/12	
2-Chloronaphthalene	46.7 U	184	46.7	1	12/05/12 07:07	12/3/12	
2-Chlorophenol	38.0 U	184	38.0	1	12/05/12 07:07	12/3/12	
2-Methylnaphthalene	64.1 U	184	64.1	1	12/05/12 07:07	12/3/12	
2-Methylphenol	52.1 U	184	52.1	1	12/05/12 07:07	12/3/12	
2-Nitroaniline	55.4 U	184	55.4	1	12/05/12 07:07	12/3/12	
2-Nitrophenol	56.5 U	727	56.5	1	12/05/12 07:07	12/3/12	
3- and 4-Methylphenol Coelution	46.7 U	184	46.7	1	12/05/12 07:07	12/3/12	
3,3'-Dichlorobenzidine	92.3 U	727	92.3	1	12/05/12 07:07	12/3/12	
3-Nitroaniline	55.4 U	184	55.4	1	12/05/12 07:07	12/3/12	
4,6-Dinitro-2-methylphenol	52.1 U	184	52.1	1	12/05/12 07:07	12/3/12	
4-Bromophenyl Phenyl Ether	56.5 U	184	56.5	1	12/05/12 07:07	12/3/12	
4-Chloro-3-methylphenol	57.6 U	184	57.6	1	12/05/12 07:07	12/3/12	
4-Chloroaniline	74.9 U	184	74.9	1	12/05/12 07:07	12/3/12	
4-Chlorophenyl Phenyl Ether	56.5 U	184	56.5	1	12/05/12 07:07	12/3/12	
4-Nitroaniline	59.7 U	184	59.7	1	12/05/12 07:07	12/3/12	
4-Nitrophenol	60.8 U	727	60.8	1	12/05/12 07:07	12/3/12	
Acenaphthene	57.6 U	184	57.6	1	12/05/12 07:07	12/3/12	
Acenaphthylene	51.1 U	184	51.1	1	12/05/12 07:07	12/3/12	
Acetophenone	50.0 U	369	50.0	1	12/05/12 07:07	12/3/12	
Anthracene	46.7 U	184	46.7	1	12/05/12 07:07	12/3/12	
Benz(a)anthracene	51.1 U	184	51.1	1	12/05/12 07:07	12/3/12	
Benzo(a)pyrene	40.2 U	184	40.2	1	12/05/12 07:07	12/3/12	
Benzo(b)fluoranthene	28.3 U	184	28.3	1	12/05/12 07:07	12/3/12	
Benzo(g,h,i)perylene	56.5 U	184	56.5	1	12/05/12 07:07	12/3/12	
Benzo(k)fluoranthene	64.1 U	184	64.1	1	12/05/12 07:07	12/3/12	
Benzyl Alcohol	41.3 U	369	41.3	1	12/05/12 07:07	12/3/12	
Bis(2-chloroethoxy)methane	57.6 U	184	57.6	1	12/05/12 07:07	12/3/12	
Bis(2-chloroethyl) Ether	45.6 U	184	45.6	1	12/05/12 07:07	12/3/12	
Bis(2-chloroisopropyl) Ether	38.0 U	184	38.0	1	12/05/12 07:07	12/3/12	
Bis(2-ethylhexyl) Phthalate	47.8 U	184	47.8	1	12/05/12 07:07	12/3/12	
Butyl Benzyl Phthalate	51.1 U	369	51.1	1	12/05/12 07:07	12/3/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:15
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS03-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	61.9 U	184	61.9	1	12/05/12 07:07	12/3/12	
Chrysene	48.9 U	184	48.9	1	12/05/12 07:07	12/3/12	
Dibenz(a,h)anthracene	50.0 U	184	50.0	1	12/05/12 07:07	12/3/12	
Dibenzofuran	50.0 U	184	50.0	1	12/05/12 07:07	12/3/12	
Diethyl Phthalate	55.4 U	184	55.4	1	12/05/12 07:07	12/3/12	
Dimethyl Phthalate	57.6 U	184	57.6	1	12/05/12 07:07	12/3/12	
Di-n-butyl Phthalate	36.9 U	184	36.9	1	12/05/12 07:07	12/3/12	
Di-n-octyl Phthalate	56.5 U	184	56.5	1	12/05/12 07:07	12/3/12	
Diphenylamine + n-Nitrosodiphenylamine	40.2 U	184	40.2	1	12/05/12 07:07	12/3/12	
Fluoranthene	52.1 U	184	52.1	1	12/05/12 07:07	12/3/12	
Fluorene	51.1 U	184	51.1	1	12/05/12 07:07	12/3/12	
Hexachlorobenzene	52.1 U	184	52.1	1	12/05/12 07:07	12/3/12	
Hexachlorobutadiene	59.7 U	184	59.7	1	12/05/12 07:07	12/3/12	
Hexachlorocyclopentadiene	36.9 U	184	36.9	1	12/05/12 07:07	12/3/12	
Hexachloroethane	33.7 U	184	33.7	1	12/05/12 07:07	12/3/12	
Indeno(1,2,3-cd)pyrene	44.5 U	184	44.5	1	12/05/12 07:07	12/3/12	
Isophorone	63.0 U	184	63.0	1	12/05/12 07:07	12/3/12	
Naphthalene	53.2 U	184	53.2	1	12/05/12 07:07	12/3/12	
Nitrobenzene	42.4 U	184	42.4	1	12/05/12 07:07	12/3/12	
N-Nitrosodi-n-propylamine	54.3 U	184	54.3	1	12/05/12 07:07	12/3/12	
Pentachlorophenol (PCP)	38.0 U	727	38.0	1	12/05/12 07:07	12/3/12	
Phenanthrene	45.6 U	184	45.6	1	12/05/12 07:07	12/3/12	
Phenol	50.0 U	184	50.0	1	12/05/12 07:07	12/3/12	
Pyrene	50.0 U	184	50.0	1	12/05/12 07:07	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	82	28 - 164	12/05/12 07:07	
2-Fluorobiphenyl	61	33 - 133	12/05/12 07:07	
2-Fluorophenol	77	10 - 126	12/05/12 07:07	
Nitrobenzene-d5	56	25 - 138	12/05/12 07:07	
Phenol-d6	63	10 - 170	12/05/12 07:07	
p-Terphenyl-d14	78	16 - 168	12/05/12 07:07	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:15
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS03-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-001	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	9.06 U	32.2	9.06	1	12/04/12 05:01	12/1/12	
Aroclor 1221	6.68 U	32.2	6.68	1	12/04/12 05:01	12/1/12	
Aroclor 1232	21.6 U	32.2	21.6	1	12/04/12 05:01	12/1/12	
Aroclor 1242	8.89 U	32.2	8.89	1	12/04/12 05:01	12/1/12	
Aroclor 1248	16.1 U	32.2	16.1	1	12/04/12 05:01	12/1/12	
Aroclor 1254	12.2 U	32.2	12.2	1	12/04/12 05:01	12/1/12	
Aroclor 1260	9.30 U	32.2	9.30	1	12/04/12 05:01	12/1/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	92	10 - 258	12/04/12 05:01	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:15
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS03-0102-112812	**Units:**	mg/Kg
Lab Code:	J1205834-001	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.04 U	20.3	2.04	1	12/04/12 22:09	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	90	62 - 109	12/04/12 22:09	
n-Nonatriacontane	98	60 - 118	12/04/12 22:09	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:15
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS03-0102-112812	**Basis:**	Dry
Lab Code:	J1205834-001		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	**0.88**	mg/Kg	0.49	0.12	1	12/04/12 17:46	12/3/12	
Cadmium, Total Recoverable	6010B	0.007 U	mg/Kg	0.24	0.007	1	12/04/12 17:46	12/3/12	
Chromium, Total Recoverable	6010B	**1.36**	mg/Kg	0.49	0.02	1	12/04/12 17:46	12/3/12	
Lead, Total Recoverable	6010B	**0.68**	mg/Kg	0.49	0.13	1	12/04/12 17:46	12/3/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:47
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SB03-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,1,1,2-Tetrachloroethane	0.483	U	5.89	0.483	1	12/05/12 23:14	12/5/12	
1,1,1-Trichloroethane (TCA)	0.271	U	5.89	0.271	1	12/05/12 23:14	12/5/12	
1,1,2,2-Tetrachloroethane	0.271	U	5.89	0.271	1	12/05/12 23:14	12/5/12	
1,1,2-Trichloroethane	0.460	U	5.89	0.460	1	12/05/12 23:14	12/5/12	
1,1-Dichloroethane (1,1-DCA)	0.366	U	5.89	0.366	1	12/05/12 23:14	12/5/12	
1,1-Dichloroethene (1,1-DCE)	0.813	U	5.89	0.813	1	12/05/12 23:14	12/5/12	
1,2,3-Trichloropropane	0.896	U	5.89	0.896	1	12/05/12 23:14	12/5/12	
1,2-Dibromo-3-chloropropane (DBCP)	0.625	U	11.8	0.625	1	12/05/12 23:14	12/5/12	
1,2-Dibromoethane (EDB)	0.684	U	5.89	0.684	1	12/05/12 23:14	12/5/12	
1,2-Dichlorobenzene	0.377	U	5.89	0.377	1	12/05/12 23:14	12/5/12	
1,2-Dichloroethane	0.354	U	5.89	0.354	1	12/05/12 23:14	12/5/12	
1,2-Dichloropropane	0.483	U	5.89	0.483	1	12/05/12 23:14	12/5/12	
1,3-Dichlorobenzene	0.354	U	5.89	0.354	1	12/05/12 23:14	12/5/12	
1,4-Dichlorobenzene	0.118	U	5.89	0.118	1	12/05/12 23:14	12/5/12	
2-Butanone (MEK)	1.89	U	29.5	1.89	1	12/05/12 23:14	12/5/12	
2-Hexanone	2.60	U	11.8	2.60	1	12/05/12 23:14	12/5/12	
4-Methyl-2-pentanone (MIBK)	1.77	U	11.8	1.77	1	12/05/12 23:14	12/5/12	
Acetone	2.71	U	147	2.71	1	12/05/12 23:14	12/5/12	
Benzene	0.201	U	5.89	0.201	1	12/05/12 23:14	12/5/12	
Bromochloromethane	0.707	U	5.89	0.707	1	12/05/12 23:14	12/5/12	
Bromodichloromethane	0.436	U	5.89	0.436	1	12/05/12 23:14	12/5/12	
Bromoform	0.401	U	5.89	0.401	1	12/05/12 23:14	12/5/12	
Bromomethane	0.319	U	5.89	0.319	1	12/05/12 23:14	12/5/12	
Carbon Disulfide	0.943	U	11.8	0.943	1	12/05/12 23:14	12/5/12	
Carbon Tetrachloride	0.224	U	5.89	0.224	1	12/05/12 23:14	12/5/12	
Chlorobenzene	0.165	U	5.89	0.165	1	12/05/12 23:14	12/5/12	
Chloroethane	0.389	U	5.89	0.389	1	12/05/12 23:14	12/5/12	
Chloroform	0.213	U	5.89	0.213	1	12/05/12 23:14	12/5/12	
Chloromethane	0.248	U	5.89	0.248	1	12/05/12 23:14	12/5/12	
cis-1,2-Dichloroethene	0.389	U	5.89	0.389	1	12/05/12 23:14	12/5/12	
cis-1,3-Dichloropropene	0.165	U	5.89	0.165	1	12/05/12 23:14	12/5/12	
Dibromochloromethane	0.260	U	5.89	0.260	1	12/05/12 23:14	12/5/12	
Dibromomethane	0.460	U	5.89	0.460	1	12/05/12 23:14	12/5/12	
Dichlorodifluoromethane	0.213	U	23.6	0.213	1	12/05/12 23:14	12/5/12	
Ethylbenzene	0.142	U	5.89	0.142	1	12/05/12 23:14	12/5/12	
Iodomethane	1.30	U	11.8	1.30	1	12/05/12 23:14	12/5/12	
m,p-Xylenes	0.248	U	11.8	0.248	1	12/05/12 23:14	12/5/12	
Methyl tert-Butyl Ether	0.307	U	5.89	0.307	1	12/05/12 23:14	12/5/12	
Methylene Chloride	**4.75**	**IV**	11.8	0.366	1	12/05/12 23:14	12/5/12	
o-Xylene	0.189	U	5.89	0.189	1	12/05/12 23:14	12/5/12	
Styrene	0.319	U	5.89	0.319	1	12/05/12 23:14	12/5/12	
Tetrachloroethene (PCE)	0.295	U	5.89	0.295	1	12/05/12 23:14	12/5/12	
Toluene	**0.389**	**I**	5.89	0.319	1	12/05/12 23:14	12/5/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:47
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SB03-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-002	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
trans-1,2-Dichloroethene	0.460 U	5.89	0.460	1	12/05/12 23:14	12/5/12	
trans-1,3-Dichloropropene	0.260 U	5.89	0.260	1	12/05/12 23:14	12/5/12	
trans-1,4-Dichloro-2-butene	0.637 U	23.6	0.637	1	12/05/12 23:14	12/5/12	
Trichloroethene (TCE)	0.295 U	5.89	0.295	1	12/05/12 23:14	12/5/12	
Trichlorofluoromethane	0.248 U	23.6	0.248	1	12/05/12 23:14	12/5/12	
Vinyl Acetate	1.42 U	11.8	1.42	1	12/05/12 23:14	12/5/12	
Vinyl Chloride	0.307 U	5.89	0.307	1	12/05/12 23:14	12/5/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	80 - 120	12/05/12 23:14	
4-Bromofluorobenzene	100	64 - 135	12/05/12 23:14	
Dibromofluoromethane	100	74 - 125	12/05/12 23:14	
Toluene-d8	100	46 - 156	12/05/12 23:14	

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:47
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SB03-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	406 U	1090	406	5	12/05/12 07:45	12/3/12	
1,2-Dichlorobenzene	206 U	1090	206	5	12/05/12 07:45	12/3/12	
1,3-Dichlorobenzene	245 U	1090	245	5	12/05/12 07:45	12/3/12	
1,4-Dichlorobenzene	264 U	1090	264	5	12/05/12 07:45	12/3/12	
1-Methylnaphthalene	425 U	1090	425	5	12/05/12 07:45	12/3/12	
2,4,5-Trichlorophenol	367 U	1090	367	5	12/05/12 07:45	12/3/12	
2,4,6-Trichlorophenol	322 U	1090	322	5	12/05/12 07:45	12/3/12	
2,4-Dichlorophenol	406 U	1090	406	5	12/05/12 07:45	12/3/12	
2,4-Dimethylphenol	534 U	1090	534	5	12/05/12 07:45	12/3/12	
2,4-Dinitrophenol	148 U	4310	148	5	12/05/12 07:45	12/3/12	
2,4-Dinitrotoluene	264 U	1090	264	5	12/05/12 07:45	12/3/12	
2,6-Dinitrotoluene	309 U	1090	309	5	12/05/12 07:45	12/3/12	
2-Chloronaphthalene	277 U	1090	277	5	12/05/12 07:45	12/3/12	
2-Chlorophenol	226 U	1090	226	5	12/05/12 07:45	12/3/12	
2-Methylnaphthalene	380 U	1090	380	5	12/05/12 07:45	12/3/12	
2-Methylphenol	309 U	1090	309	5	12/05/12 07:45	12/3/12	
2-Nitroaniline	328 U	1090	328	5	12/05/12 07:45	12/3/12	
2-Nitrophenol	335 U	4310	335	5	12/05/12 07:45	12/3/12	
3- and 4-Methylphenol Coelution	277 U	1090	277	5	12/05/12 07:45	12/3/12	
3,3'-Dichlorobenzidine	547 U	4310	547	5	12/05/12 07:45	12/3/12	
3-Nitroaniline	328 U	1090	328	5	12/05/12 07:45	12/3/12	
4,6-Dinitro-2-methylphenol	309 U	1090	309	5	12/05/12 07:45	12/3/12	
4-Bromophenyl Phenyl Ether	335 U	1090	335	5	12/05/12 07:45	12/3/12	
4-Chloro-3-methylphenol	341 U	1090	341	5	12/05/12 07:45	12/3/12	
4-Chloroaniline	444 U	1090	444	5	12/05/12 07:45	12/3/12	
4-Chlorophenyl Phenyl Ether	335 U	1090	335	5	12/05/12 07:45	12/3/12	
4-Nitroaniline	354 U	1090	354	5	12/05/12 07:45	12/3/12	
4-Nitrophenol	361 U	4310	361	5	12/05/12 07:45	12/3/12	
Acenaphthene	341 U	1090	341	5	12/05/12 07:45	12/3/12	
Acenaphthylene	303 U	1090	303	5	12/05/12 07:45	12/3/12	
Acetophenone	296 U	2190	296	5	12/05/12 07:45	12/3/12	
Anthracene	277 U	1090	277	5	12/05/12 07:45	12/3/12	
Benz(a)anthracene	303 U	1090	303	5	12/05/12 07:45	12/3/12	
Benzo(a)pyrene	238 U	1090	238	5	12/05/12 07:45	12/3/12	
Benzo(b)fluoranthene	168 U	1090	168	5	12/05/12 07:45	12/3/12	
Benzo(g,h,i)perylene	335 U	1090	335	5	12/05/12 07:45	12/3/12	
Benzo(k)fluoranthene	380 U	1090	380	5	12/05/12 07:45	12/3/12	
Benzyl Alcohol	245 U	2190	245	5	12/05/12 07:45	12/3/12	
Bis(2-chloroethoxy)methane	341 U	1090	341	5	12/05/12 07:45	12/3/12	
Bis(2-chloroethyl) Ether	271 U	1090	271	5	12/05/12 07:45	12/3/12	
Bis(2-chloroisopropyl) Ether	226 U	1090	226	5	12/05/12 07:45	12/3/12	
Bis(2-ethylhexyl) Phthalate	283 U	1090	283	5	12/05/12 07:45	12/3/12	
Butyl Benzyl Phthalate	303 U	2190	303	5	12/05/12 07:45	12/3/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:47
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SB03-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	367 U	1090	367	5	12/05/12 07:45	12/3/12	
Chrysene	290 U	1090	290	5	12/05/12 07:45	12/3/12	
Dibenz(a,h)anthracene	296 U	1090	296	5	12/05/12 07:45	12/3/12	
Dibenzofuran	296 U	1090	296	5	12/05/12 07:45	12/3/12	
Diethyl Phthalate	328 U	1090	328	5	12/05/12 07:45	12/3/12	
Dimethyl Phthalate	341 U	1090	341	5	12/05/12 07:45	12/3/12	
Di-n-butyl Phthalate	219 U	1090	219	5	12/05/12 07:45	12/3/12	
Di-n-octyl Phthalate	335 U	1090	335	5	12/05/12 07:45	12/3/12	
Diphenylamine + n-Nitrosodiphenylamine	238 U	1090	238	5	12/05/12 07:45	12/3/12	
Fluoranthene	309 U	1090	309	5	12/05/12 07:45	12/3/12	
Fluorene	303 U	1090	303	5	12/05/12 07:45	12/3/12	
Hexachlorobenzene	309 U	1090	309	5	12/05/12 07:45	12/3/12	
Hexachlorobutadiene	354 U	1090	354	5	12/05/12 07:45	12/3/12	
Hexachlorocyclopentadiene	219 U	1090	219	5	12/05/12 07:45	12/3/12	
Hexachloroethane	200 U	1090	200	5	12/05/12 07:45	12/3/12	
Indeno(1,2,3-cd)pyrene	264 U	1090	264	5	12/05/12 07:45	12/3/12	
Isophorone	373 U	1090	373	5	12/05/12 07:45	12/3/12	
Naphthalene	316 U	1090	316	5	12/05/12 07:45	12/3/12	
Nitrobenzene	251 U	1090	251	5	12/05/12 07:45	12/3/12	
N-Nitrosodi-n-propylamine	322 U	1090	322	5	12/05/12 07:45	12/3/12	
Pentachlorophenol (PCP)	226 U	4310	226	5	12/05/12 07:45	12/3/12	
Phenanthrene	271 U	1090	271	5	12/05/12 07:45	12/3/12	
Phenol	296 U	1090	296	5	12/05/12 07:45	12/3/12	
Pyrene	296 U	1090	296	5	12/05/12 07:45	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	65	28 - 164	12/05/12 07:45	
2-Fluorobiphenyl	60	33 - 133	12/05/12 07:45	
2-Fluorophenol	61	10 - 126	12/05/12 07:45	
Nitrobenzene-d5	48	25 - 138	12/05/12 07:45	
Phenol-d6	50	10 - 170	12/05/12 07:45	
p-Terphenyl-d14	63	16 - 168	12/05/12 07:45	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:47
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SB03-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-002	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	9.93 U	36.2	9.93	1	12/04/12 05:27	12/1/12	
Aroclor 1221	7.32 U	36.2	7.32	1	12/04/12 05:27	12/1/12	
Aroclor 1232	23.7 U	36.2	23.7	1	12/04/12 05:27	12/1/12	
Aroclor 1242	9.75 U	36.2	9.75	1	12/04/12 05:27	12/1/12	
Aroclor 1248	17.7 U	36.2	17.7	1	12/04/12 05:27	12/1/12	
Aroclor 1254	13.4 U	36.2	13.4	1	12/04/12 05:27	12/1/12	
Aroclor 1260	10.2 U	36.2	10.2	1	12/04/12 05:27	12/1/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	50	10 - 258	12/04/12 05:27	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:47
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SB03-0405-112812	**Units:**	mg/Kg
Lab Code:	J1205834-002	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**220**	24.1	2.41	1	12/04/12 22:37	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	97	62 - 109	12/04/12 22:37	
n-Nonatriacontane	102	60 - 118	12/04/12 22:37	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 09:47
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SB03-0405-112812	**Basis:**	Dry
Lab Code:	J1205834-002		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	**1.40**	mg/Kg	0.58	0.14	1	12/04/12 17:55	12/3/12	
Cadmium, Total Recoverable	6010B	0.009 U	mg/Kg	0.29	0.009	1	12/04/12 17:55	12/3/12	
Chromium, Total Recoverable	6010B	**4.83**	mg/Kg	0.58	0.03	1	12/04/12 17:55	12/3/12	
Lead, Total Recoverable	6010B	**8.04**	mg/Kg	0.58	0.16	1	12/04/12 17:55	12/3/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 10:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS02-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,1,1,2-Tetrachloroethane	0.410 U	4.89	0.410	1	12/05/12 23:42	12/5/12	
1,1,1-Trichloroethane (TCA)	0.230 U	4.89	0.230	1	12/05/12 23:42	12/5/12	
1,1,2,2-Tetrachloroethane	0.230 U	4.89	0.230	1	12/05/12 23:42	12/5/12	
1,1,2-Trichloroethane	0.390 U	4.89	0.390	1	12/05/12 23:42	12/5/12	
1,1-Dichloroethane (1,1-DCA)	0.310 U	4.89	0.310	1	12/05/12 23:42	12/5/12	
1,1-Dichloroethene (1,1-DCE)	0.690 U	4.89	0.690	1	12/05/12 23:42	12/5/12	
1,2,3-Trichloropropane	0.760 U	4.89	0.760	1	12/05/12 23:42	12/5/12	
1,2-Dibromo-3-chloropropane (DBCP)	0.530 U	9.77	0.530	1	12/05/12 23:42	12/5/12	
1,2-Dibromoethane (EDB)	0.580 U	4.89	0.580	1	12/05/12 23:42	12/5/12	
1,2-Dichlorobenzene	0.320 U	4.89	0.320	1	12/05/12 23:42	12/5/12	
1,2-Dichloroethane	0.300 U	4.89	0.300	1	12/05/12 23:42	12/5/12	
1,2-Dichloropropane	0.410 U	4.89	0.410	1	12/05/12 23:42	12/5/12	
1,3-Dichlorobenzene	0.300 U	4.89	0.300	1	12/05/12 23:42	12/5/12	
1,4-Dichlorobenzene	0.100 U	4.89	0.100	1	12/05/12 23:42	12/5/12	
2-Butanone (MEK)	1.60 U	24.4	1.60	1	12/05/12 23:42	12/5/12	
2-Hexanone	2.20 U	9.77	2.20	1	12/05/12 23:42	12/5/12	
4-Methyl-2-pentanone (MIBK)	1.50 U	9.77	1.50	1	12/05/12 23:42	12/5/12	
Acetone	**13.4 I**	122	2.30	1	12/05/12 23:42	12/5/12	
Benzene	0.170 U	4.89	0.170	1	12/05/12 23:42	12/5/12	
Bromochloromethane	0.600 U	4.89	0.600	1	12/05/12 23:42	12/5/12	
Bromodichloromethane	0.370 U	4.89	0.370	1	12/05/12 23:42	12/5/12	
Bromoform	0.340 U	4.89	0.340	1	12/05/12 23:42	12/5/12	
Bromomethane	0.270 U	4.89	0.270	1	12/05/12 23:42	12/5/12	
Carbon Disulfide	0.800 U	9.77	0.800	1	12/05/12 23:42	12/5/12	
Carbon Tetrachloride	0.190 U	4.89	0.190	1	12/05/12 23:42	12/5/12	
Chlorobenzene	0.140 U	4.89	0.140	1	12/05/12 23:42	12/5/12	
Chloroethane	0.330 U	4.89	0.330	1	12/05/12 23:42	12/5/12	
Chloroform	0.180 U	4.89	0.180	1	12/05/12 23:42	12/5/12	
Chloromethane	0.210 U	4.89	0.210	1	12/05/12 23:42	12/5/12	
cis-1,2-Dichloroethene	0.330 U	4.89	0.330	1	12/05/12 23:42	12/5/12	
cis-1,3-Dichloropropene	0.140 U	4.89	0.140	1	12/05/12 23:42	12/5/12	
Dibromochloromethane	0.220 U	4.89	0.220	1	12/05/12 23:42	12/5/12	
Dibromomethane	0.390 U	4.89	0.390	1	12/05/12 23:42	12/5/12	
Dichlorodifluoromethane	0.180 U	19.5	0.180	1	12/05/12 23:42	12/5/12	
Ethylbenzene	0.120 U	4.89	0.120	1	12/05/12 23:42	12/5/12	
Iodomethane	1.10 U	9.77	1.10	1	12/05/12 23:42	12/5/12	
m,p-Xylenes	0.210 U	9.77	0.210	1	12/05/12 23:42	12/5/12	
Methyl tert-Butyl Ether	0.260 U	4.89	0.260	1	12/05/12 23:42	12/5/12	
Methylene Chloride	**2.31 IV**	9.77	0.310	1	12/05/12 23:42	12/5/12	
o-Xylene	0.160 U	4.89	0.160	1	12/05/12 23:42	12/5/12	
Styrene	0.270 U	4.89	0.270	1	12/05/12 23:42	12/5/12	
Tetrachloroethene (PCE)	0.250 U	4.89	0.250	1	12/05/12 23:42	12/5/12	
Toluene	0.270 U	4.89	0.270	1	12/05/12 23:42	12/5/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 10:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS02-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-003	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
trans-1,2-Dichloroethene	0.390 U	4.89	0.390	1	12/05/12 23:42	12/5/12	
trans-1,3-Dichloropropene	0.220 U	4.89	0.220	1	12/05/12 23:42	12/5/12	
trans-1,4-Dichloro-2-butene	0.540 U	19.5	0.540	1	12/05/12 23:42	12/5/12	
Trichloroethene (TCE)	0.250 U	4.89	0.250	1	12/05/12 23:42	12/5/12	
Trichlorofluoromethane	0.210 U	19.5	0.210	1	12/05/12 23:42	12/5/12	
Vinyl Acetate	1.20 U	9.77	1.20	1	12/05/12 23:42	12/5/12	
Vinyl Chloride	0.260 U	4.89	0.260	1	12/05/12 23:42	12/5/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	80 - 120	12/05/12 23:42	
4-Bromofluorobenzene	97	64 - 135	12/05/12 23:42	
Dibromofluoromethane	98	74 - 125	12/05/12 23:42	
Toluene-d8	104	46 - 156	12/05/12 23:42	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 10:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS02-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	68.6 U	185	68.6	1	12/05/12 08:24	12/3/12	
1,2-Dichlorobenzene	34.9 U	185	34.9	1	12/05/12 08:24	12/3/12	
1,3-Dichlorobenzene	41.4 U	185	41.4	1	12/05/12 08:24	12/3/12	
1,4-Dichlorobenzene	44.7 U	185	44.7	1	12/05/12 08:24	12/3/12	
1-Methylnaphthalene	71.9 U	185	71.9	1	12/05/12 08:24	12/3/12	
2,4,5-Trichlorophenol	62.1 U	185	62.1	1	12/05/12 08:24	12/3/12	
2,4,6-Trichlorophenol	54.5 U	185	54.5	1	12/05/12 08:24	12/3/12	
2,4-Dichlorophenol	68.6 U	185	68.6	1	12/05/12 08:24	12/3/12	
2,4-Dimethylphenol	90.4 U	185	90.4	1	12/05/12 08:24	12/3/12	
2,4-Dinitrophenol	25.1 U	730	25.1	1	12/05/12 08:24	12/3/12	
2,4-Dinitrotoluene	44.7 U	185	44.7	1	12/05/12 08:24	12/3/12	
2,6-Dinitrotoluene	52.3 U	185	52.3	1	12/05/12 08:24	12/3/12	
2-Chloronaphthalene	46.9 U	185	46.9	1	12/05/12 08:24	12/3/12	
2-Chlorophenol	38.2 U	185	38.2	1	12/05/12 08:24	12/3/12	
2-Methylnaphthalene	64.3 U	185	64.3	1	12/05/12 08:24	12/3/12	
2-Methylphenol	52.3 U	185	52.3	1	12/05/12 08:24	12/3/12	
2-Nitroaniline	55.6 U	185	55.6	1	12/05/12 08:24	12/3/12	
2-Nitrophenol	56.7 U	730	56.7	1	12/05/12 08:24	12/3/12	
3- and 4-Methylphenol Coelution	46.9 U	185	46.9	1	12/05/12 08:24	12/3/12	
3,3'-Dichlorobenzidine	92.6 U	730	92.6	1	12/05/12 08:24	12/3/12	
3-Nitroaniline	55.6 U	185	55.6	1	12/05/12 08:24	12/3/12	
4,6-Dinitro-2-methylphenol	52.3 U	185	52.3	1	12/05/12 08:24	12/3/12	
4-Bromophenyl Phenyl Ether	56.7 U	185	56.7	1	12/05/12 08:24	12/3/12	
4-Chloro-3-methylphenol	57.8 U	185	57.8	1	12/05/12 08:24	12/3/12	
4-Chloroaniline	75.2 U	185	75.2	1	12/05/12 08:24	12/3/12	
4-Chlorophenyl Phenyl Ether	56.7 U	185	56.7	1	12/05/12 08:24	12/3/12	
4-Nitroaniline	59.9 U	185	59.9	1	12/05/12 08:24	12/3/12	
4-Nitrophenol	61.0 U	730	61.0	1	12/05/12 08:24	12/3/12	
Acenaphthene	57.8 U	185	57.8	1	12/05/12 08:24	12/3/12	
Acenaphthylene	51.2 U	185	51.2	1	12/05/12 08:24	12/3/12	
Acetophenone	50.1 U	370	50.1	1	12/05/12 08:24	12/3/12	
Anthracene	46.9 U	185	46.9	1	12/05/12 08:24	12/3/12	
Benz(a)anthracene	51.2 U	185	51.2	1	12/05/12 08:24	12/3/12	
Benzo(a)pyrene	40.3 U	185	40.3	1	12/05/12 08:24	12/3/12	
Benzo(b)fluoranthene	28.4 U	185	28.4	1	12/05/12 08:24	12/3/12	
Benzo(g,h,i)perylene	56.7 U	185	56.7	1	12/05/12 08:24	12/3/12	
Benzo(k)fluoranthene	64.3 U	185	64.3	1	12/05/12 08:24	12/3/12	
Benzyl Alcohol	41.4 U	370	41.4	1	12/05/12 08:24	12/3/12	
Bis(2-chloroethoxy)methane	57.8 U	185	57.8	1	12/05/12 08:24	12/3/12	
Bis(2-chloroethyl) Ether	45.8 U	185	45.8	1	12/05/12 08:24	12/3/12	
Bis(2-chloroisopropyl) Ether	38.2 U	185	38.2	1	12/05/12 08:24	12/3/12	
Bis(2-ethylhexyl) Phthalate	**166 I**	185	48.0	1	12/05/12 08:24	12/3/12	
Butyl Benzyl Phthalate	51.2 U	370	51.2	1	12/05/12 08:24	12/3/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 10:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS02-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	62.1 U	185	62.1	1	12/05/12 08:24	12/3/12	
Chrysene	49.0 U	185	49.0	1	12/05/12 08:24	12/3/12	
Dibenz(a,h)anthracene	50.1 U	185	50.1	1	12/05/12 08:24	12/3/12	
Dibenzofuran	50.1 U	185	50.1	1	12/05/12 08:24	12/3/12	
Diethyl Phthalate	55.6 U	185	55.6	1	12/05/12 08:24	12/3/12	
Dimethyl Phthalate	57.8 U	185	57.8	1	12/05/12 08:24	12/3/12	
Di-n-butyl Phthalate	37.1 U	185	37.1	1	12/05/12 08:24	12/3/12	
Di-n-octyl Phthalate	56.7 U	185	56.7	1	12/05/12 08:24	12/3/12	
Diphenylamine + n-Nitrosodiphenylamine	40.3 U	185	40.3	1	12/05/12 08:24	12/3/12	
Fluoranthene	52.3 U	185	52.3	1	12/05/12 08:24	12/3/12	
Fluorene	51.2 U	185	51.2	1	12/05/12 08:24	12/3/12	
Hexachlorobenzene	52.3 U	185	52.3	1	12/05/12 08:24	12/3/12	
Hexachlorobutadiene	59.9 U	185	59.9	1	12/05/12 08:24	12/3/12	
Hexachlorocyclopentadiene	37.1 U	185	37.1	1	12/05/12 08:24	12/3/12	
Hexachloroethane	33.8 U	185	33.8	1	12/05/12 08:24	12/3/12	
Indeno(1,2,3-cd)pyrene	44.7 U	185	44.7	1	12/05/12 08:24	12/3/12	
Isophorone	63.2 U	185	63.2	1	12/05/12 08:24	12/3/12	
Naphthalene	53.4 U	185	53.4	1	12/05/12 08:24	12/3/12	
Nitrobenzene	42.5 U	185	42.5	1	12/05/12 08:24	12/3/12	
N-Nitrosodi-n-propylamine	54.5 U	185	54.5	1	12/05/12 08:24	12/3/12	
Pentachlorophenol (PCP)	38.2 U	730	38.2	1	12/05/12 08:24	12/3/12	
Phenanthrene	45.8 U	185	45.8	1	12/05/12 08:24	12/3/12	
Phenol	50.1 U	185	50.1	1	12/05/12 08:24	12/3/12	
Pyrene	**644**	185	50.1	1	12/05/12 08:24	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	190	28 - 164	12/05/12 08:24	*
2-Fluorobiphenyl	117	33 - 133	12/05/12 08:24	
2-Fluorophenol	82	10 - 126	12/05/12 08:24	
Nitrobenzene-d5	68	25 - 138	12/05/12 08:24	
Phenol-d6	67	10 - 170	12/05/12 08:24	
p-Terphenyl-d14	152	16 - 168	12/05/12 08:24	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 10:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS02-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-003	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	9.38 U	34.1	9.38	1	12/04/12 05:53	12/1/12	
Aroclor 1221	6.92 U	34.1	6.92	1	12/04/12 05:53	12/1/12	
Aroclor 1232	22.4 U	34.1	22.4	1	12/04/12 05:53	12/1/12	
Aroclor 1242	9.20 U	34.1	9.20	1	12/04/12 05:53	12/1/12	
Aroclor 1248	16.7 U	34.1	16.7	1	12/04/12 05:53	12/1/12	
Aroclor 1254	12.6 U	34.1	12.6	1	12/04/12 05:53	12/1/12	
Aroclor 1260	**13.4 I**	34.1	9.63	1	12/04/12 05:53	12/1/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	43	10 - 258	12/04/12 05:53	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 10:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS02-0102-112812	**Units:**	mg/Kg
Lab Code:	J1205834-003	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**2970**	98.9	10.0	5	12/05/12 13:04	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	66	62 - 109	12/04/12 23:06	
n-Nonatriacontane	84	60 - 118	12/04/12 23:06	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 10:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-SS02-0102-112812	**Basis:**	Dry
Lab Code:	J1205834-003		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	**0.81**	mg/Kg	0.39	0.12	1	12/04/12 18:12	12/3/12	
Cadmium, Total Recoverable	6010B	0.007 U	mg/Kg	0.19	0.007	1	12/04/12 18:12	12/3/12	
Chromium, Total Recoverable	6010B	**3.82**	mg/Kg	0.39	0.02	1	12/04/12 18:12	12/3/12	
Lead, Total Recoverable	6010B	**4.63**	mg/Kg	0.39	0.13	1	12/04/12 18:12	12/3/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 12:10
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-GW03-112812	**Units:**	ug/L
Lab Code:	J1205834-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	12/01/12 03:51	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/01/12 03:51	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/01/12 03:51	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/01/12 03:51	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/01/12 03:51	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/01/12 03:51	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	12/01/12 03:51	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	12/01/12 03:51	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	12/01/12 03:51	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/01/12 03:51	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/01/12 03:51	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/01/12 03:51	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/01/12 03:51	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/01/12 03:51	
2-Butanone (MEK)	3.8 U	10	3.8	1	12/01/12 03:51	
2-Hexanone	2.2 U	25	2.2	1	12/01/12 03:51	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	12/01/12 03:51	
Acetone	5.6 U	50	5.6	1	12/01/12 03:51	
Benzene	0.21 U	1.0	0.21	1	12/01/12 03:51	
Bromochloromethane	0.27 U	5.0	0.27	1	12/01/12 03:51	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/01/12 03:51	
Bromoform	0.42 U	2.0	0.42	1	12/01/12 03:51	
Bromomethane	0.23 U	5.0	0.23	1	12/01/12 03:51	
Carbon Disulfide	2.4 U	10	2.4	1	12/01/12 03:51	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/01/12 03:51	
Chlorobenzene	0.16 U	1.0	0.16	1	12/01/12 03:51	
Chloroethane	0.52 U	5.0	0.52	1	12/01/12 03:51	
Chloroform	0.35 U	1.0	0.35	1	12/01/12 03:51	
Chloromethane	0.36 U	1.0	0.36	1	12/01/12 03:51	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/01/12 03:51	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/01/12 03:51	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/01/12 03:51	
Dibromomethane	0.36 U	5.0	0.36	1	12/01/12 03:51	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/01/12 03:51	
Ethylbenzene	0.21 U	1.0	0.21	1	12/01/12 03:51	
Iodomethane	2.7 U	5.0	2.7	1	12/01/12 03:51	
m,p-Xylenes	0.31 U	2.0	0.31	1	12/01/12 03:51	
Methyl tert-Butyl Ether	0.24 U	2.0	0.24	1	12/01/12 03:51	
Methylene Chloride	0.21 U	5.0	0.21	1	12/01/12 03:51	
o-Xylene	0.14 U	1.0	0.14	1	12/01/12 03:51	
Styrene	0.29 U	1.0	0.29	1	12/01/12 03:51	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/01/12 03:51	
Toluene	0.19 U	1.0	0.19	1	12/01/12 03:51	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 12:10
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-GW03-112812	**Units:**	ug/L
Lab Code:	J1205834-004	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/01/12 03:51	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/01/12 03:51	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	12/01/12 03:51	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/01/12 03:51	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/01/12 03:51	
Vinyl Acetate	1.9 U	10	1.9	1	12/01/12 03:51	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/01/12 03:51	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	72 - 121	12/01/12 03:51	
4-Bromofluorobenzene	107	86 - 113	12/01/12 03:51	
Dibromofluoromethane	100	86 - 112	12/01/12 03:51	
Toluene-d8	107	88 - 115	12/01/12 03:51	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 12:10
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-GW03-112812	**Units:**	ug/L
Lab Code:	J1205834-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	0.625 U	5.21	0.625	1	12/01/12 12:45	11/29/12	
1,2-Dichlorobenzene	0.667 U	5.21	0.667	1	12/01/12 12:45	11/29/12	
1,3-Dichlorobenzene	0.959 U	5.21	0.959	1	12/01/12 12:45	11/29/12	
1,4-Dichlorobenzene	0.948 U	5.21	0.948	1	12/01/12 12:45	11/29/12	
1-Methylnaphthalene	0.761 U	5.21	0.761	1	12/01/12 12:45	11/29/12	
2,4,5-Trichlorophenol	1.36 U	5.21	1.36	1	12/01/12 12:45	11/29/12	
2,4,6-Trichlorophenol	0.928 U	5.21	0.928	1	12/01/12 12:45	11/29/12	
2,4-Dichlorophenol	1.25 U	5.21	1.25	1	12/01/12 12:45	11/29/12	
2,4-Dimethylphenol	1.57 U	5.21	1.57	1	12/01/12 12:45	11/29/12	
2,4-Dinitrophenol	0.792 U	20.8	0.792	1	12/01/12 12:45	11/29/12	
2,4-Dinitrotoluene	1.36 U	5.21	1.36	1	12/01/12 12:45	11/29/12	
2,6-Dinitrotoluene	1.15 U	5.21	1.15	1	12/01/12 12:45	11/29/12	
2-Chloronaphthalene	4.80 U	5.21	4.80	1	12/01/12 12:45	11/29/12	
2-Chlorophenol	1.25 U	5.21	1.25	1	12/01/12 12:45	11/29/12	
2-Methylnaphthalene	0.657 U	5.21	0.657	1	12/01/12 12:45	11/29/12	
2-Methylphenol	1.36 U	5.21	1.36	1	12/01/12 12:45	11/29/12	
2-Nitroaniline	1.57 U	5.21	1.57	1	12/01/12 12:45	11/29/12	
2-Nitrophenol	1.46 U	20.8	1.46	1	12/01/12 12:45	11/29/12	
3- and 4-Methylphenol Coelution	1.05 U	5.21	1.05	1	12/01/12 12:45	11/29/12	
3,3'-Dichlorobenzidine	1.46 U	20.8	1.46	1	12/01/12 12:45	11/29/12	
3-Nitroaniline	1.15 U	5.21	1.15	1	12/01/12 12:45	11/29/12	
4,6-Dinitro-2-methylphenol	1.05 U	20.8	1.05	1	12/01/12 12:45	11/29/12	
4-Bromophenyl Phenyl Ether	1.36 U	5.21	1.36	1	12/01/12 12:45	11/29/12	
4-Chloro-3-methylphenol	1.88 U	5.21	1.88	1	12/01/12 12:45	11/29/12	
4-Chloroaniline	1.46 U	5.21	1.46	1	12/01/12 12:45	11/29/12	
4-Chlorophenyl Phenyl Ether	1.00 U	5.21	1.00	1	12/01/12 12:45	11/29/12	
4-Nitroaniline	1.05 U	5.21	1.05	1	12/01/12 12:45	11/29/12	
4-Nitrophenol	1.88 U	20.8	1.88	1	12/01/12 12:45	11/29/12	
Acenaphthene	4.38 U	5.21	4.38	1	12/01/12 12:45	11/29/12	
Acenaphthylene	1.04 U	5.21	1.04	1	12/01/12 12:45	11/29/12	
Acetophenone	1.67 U	10.4	1.67	1	12/01/12 12:45	11/29/12	
Anthracene	1.67 U	5.21	1.67	1	12/01/12 12:45	11/29/12	
Benz(a)anthracene	1.05 U	5.21	1.05	1	12/01/12 12:45	11/29/12	
Benzo(a)pyrene	1.25 U	5.21	1.25	1	12/01/12 12:45	11/29/12	
Benzo(b)fluoranthene	1.05 U	5.21	1.05	1	12/01/12 12:45	11/29/12	
Benzo(g,h,i)perylene	1.46 U	5.21	1.46	1	12/01/12 12:45	11/29/12	
Benzo(k)fluoranthene	1.88 U	5.21	1.88	1	12/01/12 12:45	11/29/12	
Benzyl Alcohol	1.46 U	5.21	1.46	1	12/01/12 12:45	11/29/12	
Bis(2-chloroethoxy)methane	1.25 U	5.21	1.25	1	12/01/12 12:45	11/29/12	
Bis(2-chloroethyl) Ether	1.98 U	5.21	1.98	1	12/01/12 12:45	11/29/12	
Bis(2-chloroisopropyl) Ether	1.57 U	5.21	1.57	1	12/01/12 12:45	11/29/12	
Bis(2-ethylhexyl) Phthalate	1.57 U	5.21	1.57	1	12/01/12 12:45	11/29/12	
Butyl Benzyl Phthalate	0.896 U	10.4	0.896	1	12/01/12 12:45	11/29/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 12:10
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-GW03-112812	**Units:**	ug/L
Lab Code:	J1205834-004	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.88 U	5.21	1.88	1	12/01/12 12:45	11/29/12	
Chrysene	1.25 U	5.21	1.25	1	12/01/12 12:45	11/29/12	
Dibenz(a,h)anthracene	1.57 U	5.21	1.57	1	12/01/12 12:45	11/29/12	
Dibenzofuran	1.36 U	5.21	1.36	1	12/01/12 12:45	11/29/12	
Diethyl Phthalate	1.78 U	5.21	1.78	1	12/01/12 12:45	11/29/12	
Dimethyl Phthalate	1.36 U	5.21	1.36	1	12/01/12 12:45	11/29/12	
Di-n-butyl Phthalate	2.30 U	5.21	2.30	1	12/01/12 12:45	11/29/12	
Di-n-octyl Phthalate	2.92 U	5.21	2.92	1	12/01/12 12:45	11/29/12	
Diphenylamine + n-Nitrosodiphenylamine	1.15 U	5.21	1.15	1	12/01/12 12:45	11/29/12	
Fluoranthene	1.46 U	5.21	1.46	1	12/01/12 12:45	11/29/12	
Fluorene	0.875 U	5.21	0.875	1	12/01/12 12:45	11/29/12	
Hexachlorobenzene	1.78 U	5.21	1.78	1	12/01/12 12:45	11/29/12	
Hexachlorobutadiene	1.25 U	5.21	1.25	1	12/01/12 12:45	11/29/12	
Hexachlorocyclopentadiene	0.521 U	5.21	0.521	1	12/01/12 12:45	11/29/12	
Hexachloroethane	0.844 U	5.21	0.844	1	12/01/12 12:45	11/29/12	
Indeno(1,2,3-cd)pyrene	1.78 U	5.21	1.78	1	12/01/12 12:45	11/29/12	
Isophorone	1.88 U	5.21	1.88	1	12/01/12 12:45	11/29/12	
Naphthalene	0.553 U	5.21	0.553	1	12/01/12 12:45	11/29/12	
Nitrobenzene	2.19 U	5.21	2.19	1	12/01/12 12:45	11/29/12	
N-Nitrosodi-n-propylamine	2.30 U	5.21	2.30	1	12/01/12 12:45	11/29/12	
Pentachlorophenol (PCP)	1.15 U	20.8	1.15	1	12/01/12 12:45	11/29/12	
Phenanthrene	1.46 U	5.21	1.46	1	12/01/12 12:45	11/29/12	
Phenol	0.615 U	5.21	0.615	1	12/01/12 12:45	11/29/12	
Pyrene	0.771 U	5.21	0.771	1	12/01/12 12:45	11/29/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	85	13 - 133	12/01/12 12:45	
2-Fluorobiphenyl	73	22 - 105	12/01/12 12:45	
2-Fluorophenol	60	10 - 69	12/01/12 12:45	*
Nitrobenzene-d5	66	10 - 123	12/01/12 12:45	
Phenol-d6	42	10 - 59	12/01/12 12:45	
p-Terphenyl-d14	80	20 - 128	12/01/12 12:45	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 12:10
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-GW03-112812	**Units:**	ug/L
Lab Code:	J1205834-004	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.131 U	0.503	0.131	1	12/04/12 09:45	12/3/12	
Aroclor 1221	0.292 U	0.503	0.292	1	12/04/12 09:45	12/3/12	
Aroclor 1232	0.202 U	0.503	0.202	1	12/04/12 09:45	12/3/12	
Aroclor 1242	0.131 U	0.503	0.131	1	12/04/12 09:45	12/3/12	
Aroclor 1248	0.262 U	0.503	0.262	1	12/04/12 09:45	12/3/12	
Aroclor 1254	0.332 U	0.503	0.332	1	12/04/12 09:45	12/3/12	
Aroclor 1260	0.269 U	0.503	0.269	1	12/04/12 09:45	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	99	10 - 151	12/04/12 09:45	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 12:10
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-GW03-112812	**Units:**	mg/L
Lab Code:	J1205834-004	**Basis:**	NA

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	0.126 U	0.412	0.126	1	12/04/12 16:23	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	100	82 - 142	12/04/12 16:23	
n-Nonatriacontane	109	42 - 193	12/04/12 16:23	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 12:10
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1241-GW03-112812	**Basis:**	NA
Lab Code:	J1205834-004		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	**7**	**I**	ug/L	10	4	1	12/01/12 16:23	11/30/12	
Cadmium, Total Recoverable	6010B	0.2	U	ug/L	5.0	0.2	1	12/01/12 16:23	11/30/12	
Chromium, Total Recoverable	6010B	0.5	U	ug/L	10	0.5	1	12/01/12 16:23	11/30/12	
Lead, Total Recoverable	6010B	4	U	ug/L	10	4	1	12/01/12 16:23	11/30/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:00
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,1,1,2-Tetrachloroethane	0.473	U	5.76	0.473	1	12/06/12 00:11	12/5/12	
1,1,1-Trichloroethane (TCA)	0.266	U	5.76	0.266	1	12/06/12 00:11	12/5/12	
1,1,2,2-Tetrachloroethane	0.266	U	5.76	0.266	1	12/06/12 00:11	12/5/12	
1,1,2-Trichloroethane	0.450	U	5.76	0.450	1	12/06/12 00:11	12/5/12	
1,1-Dichloroethane (1,1-DCA)	0.358	U	5.76	0.358	1	12/06/12 00:11	12/5/12	
1,1-Dichloroethene (1,1-DCE)	0.796	U	5.76	0.796	1	12/06/12 00:11	12/5/12	
1,2,3-Trichloropropane	0.877	U	5.76	0.877	1	12/06/12 00:11	12/5/12	
1,2-Dibromo-3-chloropropane (DBCP)	0.611	U	11.5	0.611	1	12/06/12 00:11	12/5/12	
1,2-Dibromoethane (EDB)	0.669	U	5.76	0.669	1	12/06/12 00:11	12/5/12	
1,2-Dichlorobenzene	0.369	U	5.76	0.369	1	12/06/12 00:11	12/5/12	
1,2-Dichloroethane	0.346	U	5.76	0.346	1	12/06/12 00:11	12/5/12	
1,2-Dichloropropane	0.473	U	5.76	0.473	1	12/06/12 00:11	12/5/12	
1,3-Dichlorobenzene	0.346	U	5.76	0.346	1	12/06/12 00:11	12/5/12	
1,4-Dichlorobenzene	0.116	U	5.76	0.116	1	12/06/12 00:11	12/5/12	
2-Butanone (MEK)	1.85	U	28.8	1.85	1	12/06/12 00:11	12/5/12	
2-Hexanone	2.54	U	11.5	2.54	1	12/06/12 00:11	12/5/12	
4-Methyl-2-pentanone (MIBK)	1.73	U	11.5	1.73	1	12/06/12 00:11	12/5/12	
Acetone	2.66	U	144	2.66	1	12/06/12 00:11	12/5/12	
Benzene	0.196	U	5.76	0.196	1	12/06/12 00:11	12/5/12	
Bromochloromethane	0.692	U	5.76	0.692	1	12/06/12 00:11	12/5/12	
Bromodichloromethane	0.427	U	5.76	0.427	1	12/06/12 00:11	12/5/12	
Bromoform	0.392	U	5.76	0.392	1	12/06/12 00:11	12/5/12	
Bromomethane	0.312	U	5.76	0.312	1	12/06/12 00:11	12/5/12	
Carbon Disulfide	0.923	U	11.5	0.923	1	12/06/12 00:11	12/5/12	
Carbon Tetrachloride	0.220	U	5.76	0.220	1	12/06/12 00:11	12/5/12	
Chlorobenzene	0.162	U	5.76	0.162	1	12/06/12 00:11	12/5/12	
Chloroethane	0.381	U	5.76	0.381	1	12/06/12 00:11	12/5/12	
Chloroform	0.208	U	5.76	0.208	1	12/06/12 00:11	12/5/12	
Chloromethane	0.243	U	5.76	0.243	1	12/06/12 00:11	12/5/12	
cis-1,2-Dichloroethene	0.381	U	5.76	0.381	1	12/06/12 00:11	12/5/12	
cis-1,3-Dichloropropene	0.162	U	5.76	0.162	1	12/06/12 00:11	12/5/12	
Dibromochloromethane	0.254	U	5.76	0.254	1	12/06/12 00:11	12/5/12	
Dibromomethane	0.450	U	5.76	0.450	1	12/06/12 00:11	12/5/12	
Dichlorodifluoromethane	0.208	U	23.1	0.208	1	12/06/12 00:11	12/5/12	
Ethylbenzene	0.139	U	5.76	0.139	1	12/06/12 00:11	12/5/12	
Iodomethane	1.27	U	11.5	1.27	1	12/06/12 00:11	12/5/12	
m,p-Xylenes	0.243	U	11.5	0.243	1	12/06/12 00:11	12/5/12	
Methyl tert-Butyl Ether	0.300	U	5.76	0.300	1	12/06/12 00:11	12/5/12	
Methylene Chloride	**3.05**	**IV**	11.5	0.358	1	12/06/12 00:11	12/5/12	
o-Xylene	0.185	U	5.76	0.185	1	12/06/12 00:11	12/5/12	
Styrene	0.312	U	5.76	0.312	1	12/06/12 00:11	12/5/12	
Tetrachloroethene (PCE)	0.289	U	5.76	0.289	1	12/06/12 00:11	12/5/12	
Toluene	**0.426**	**I**	5.76	0.312	1	12/06/12 00:11	12/5/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:00
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-005	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
trans-1,2-Dichloroethene	0.450 U	5.76	0.450	1	12/06/12 00:11	12/5/12	
trans-1,3-Dichloropropene	0.254 U	5.76	0.254	1	12/06/12 00:11	12/5/12	
trans-1,4-Dichloro-2-butene	0.623 U	23.1	0.623	1	12/06/12 00:11	12/5/12	
Trichloroethene (TCE)	0.289 U	5.76	0.289	1	12/06/12 00:11	12/5/12	
Trichlorofluoromethane	0.243 U	23.1	0.243	1	12/06/12 00:11	12/5/12	
Vinyl Acetate	1.39 U	11.5	1.39	1	12/06/12 00:11	12/5/12	
Vinyl Chloride	0.300 U	5.76	0.300	1	12/06/12 00:11	12/5/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	80 - 120	12/06/12 00:11	
4-Bromofluorobenzene	99	64 - 135	12/06/12 00:11	
Dibromofluoromethane	97	74 - 125	12/06/12 00:11	
Toluene-d8	101	46 - 156	12/06/12 00:11	

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:00
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	70.3 U	190	70.3	1	12/05/12 09:03	12/3/12	
1,2-Dichlorobenzene	35.7 U	190	35.7	1	12/05/12 09:03	12/3/12	
1,3-Dichlorobenzene	42.4 U	190	42.4	1	12/05/12 09:03	12/3/12	
1,4-Dichlorobenzene	45.8 U	190	45.8	1	12/05/12 09:03	12/3/12	
1-Methylnaphthalene	73.7 U	190	73.7	1	12/05/12 09:03	12/3/12	
2,4,5-Trichlorophenol	63.6 U	190	63.6	1	12/05/12 09:03	12/3/12	
2,4,6-Trichlorophenol	55.8 U	190	55.8	1	12/05/12 09:03	12/3/12	
2,4-Dichlorophenol	70.3 U	190	70.3	1	12/05/12 09:03	12/3/12	
2,4-Dimethylphenol	92.6 U	190	92.6	1	12/05/12 09:03	12/3/12	
2,4-Dinitrophenol	25.7 U	747	25.7	1	12/05/12 09:03	12/3/12	
2,4-Dinitrotoluene	45.8 U	190	45.8	1	12/05/12 09:03	12/3/12	
2,6-Dinitrotoluene	53.6 U	190	53.6	1	12/05/12 09:03	12/3/12	
2-Chloronaphthalene	48.0 U	190	48.0	1	12/05/12 09:03	12/3/12	
2-Chlorophenol	39.1 U	190	39.1	1	12/05/12 09:03	12/3/12	
2-Methylnaphthalene	65.9 U	190	65.9	1	12/05/12 09:03	12/3/12	
2-Methylphenol	53.6 U	190	53.6	1	12/05/12 09:03	12/3/12	
2-Nitroaniline	56.9 U	190	56.9	1	12/05/12 09:03	12/3/12	
2-Nitrophenol	58.1 U	747	58.1	1	12/05/12 09:03	12/3/12	
3- and 4-Methylphenol Coelution	48.0 U	190	48.0	1	12/05/12 09:03	12/3/12	
3,3'-Dichlorobenzidine	94.9 U	747	94.9	1	12/05/12 09:03	12/3/12	
3-Nitroaniline	56.9 U	190	56.9	1	12/05/12 09:03	12/3/12	
4,6-Dinitro-2-methylphenol	53.6 U	190	53.6	1	12/05/12 09:03	12/3/12	
4-Bromophenyl Phenyl Ether	58.1 U	190	58.1	1	12/05/12 09:03	12/3/12	
4-Chloro-3-methylphenol	59.2 U	190	59.2	1	12/05/12 09:03	12/3/12	
4-Chloroaniline	77.0 U	190	77.0	1	12/05/12 09:03	12/3/12	
4-Chlorophenyl Phenyl Ether	58.1 U	190	58.1	1	12/05/12 09:03	12/3/12	
4-Nitroaniline	61.4 U	190	61.4	1	12/05/12 09:03	12/3/12	
4-Nitrophenol	62.5 U	747	62.5	1	12/05/12 09:03	12/3/12	
Acenaphthene	59.2 U	190	59.2	1	12/05/12 09:03	12/3/12	
Acenaphthylene	52.5 U	190	52.5	1	12/05/12 09:03	12/3/12	
Acetophenone	51.4 U	379	51.4	1	12/05/12 09:03	12/3/12	
Anthracene	48.0 U	190	48.0	1	12/05/12 09:03	12/3/12	
Benz(a)anthracene	52.5 U	190	52.5	1	12/05/12 09:03	12/3/12	
Benzo(a)pyrene	41.3 U	190	41.3	1	12/05/12 09:03	12/3/12	
Benzo(b)fluoranthene	29.1 U	190	29.1	1	12/05/12 09:03	12/3/12	
Benzo(g,h,i)perylene	58.1 U	190	58.1	1	12/05/12 09:03	12/3/12	
Benzo(k)fluoranthene	65.9 U	190	65.9	1	12/05/12 09:03	12/3/12	
Benzyl Alcohol	42.4 U	379	42.4	1	12/05/12 09:03	12/3/12	
Bis(2-chloroethoxy)methane	59.2 U	190	59.2	1	12/05/12 09:03	12/3/12	
Bis(2-chloroethyl) Ether	46.9 U	190	46.9	1	12/05/12 09:03	12/3/12	
Bis(2-chloroisopropyl) Ether	39.1 U	190	39.1	1	12/05/12 09:03	12/3/12	
Bis(2-ethylhexyl) Phthalate	49.1 U	190	49.1	1	12/05/12 09:03	12/3/12	
Butyl Benzyl Phthalate	52.5 U	379	52.5	1	12/05/12 09:03	12/3/12	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:00
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	63.6 U	190	63.6	1	12/05/12 09:03	12/3/12	
Chrysene	50.2 U	190	50.2	1	12/05/12 09:03	12/3/12	
Dibenz(a,h)anthracene	51.4 U	190	51.4	1	12/05/12 09:03	12/3/12	
Dibenzofuran	51.4 U	190	51.4	1	12/05/12 09:03	12/3/12	
Diethyl Phthalate	56.9 U	190	56.9	1	12/05/12 09:03	12/3/12	
Dimethyl Phthalate	59.2 U	190	59.2	1	12/05/12 09:03	12/3/12	
Di-n-butyl Phthalate	38.0 U	190	38.0	1	12/05/12 09:03	12/3/12	
Di-n-octyl Phthalate	58.1 U	190	58.1	1	12/05/12 09:03	12/3/12	
Diphenylamine + n-Nitrosodiphenylamine	41.3 U	190	41.3	1	12/05/12 09:03	12/3/12	
Fluoranthene	53.6 U	190	53.6	1	12/05/12 09:03	12/3/12	
Fluorene	52.5 U	190	52.5	1	12/05/12 09:03	12/3/12	
Hexachlorobenzene	53.6 U	190	53.6	1	12/05/12 09:03	12/3/12	
Hexachlorobutadiene	61.4 U	190	61.4	1	12/05/12 09:03	12/3/12	
Hexachlorocyclopentadiene	38.0 U	190	38.0	1	12/05/12 09:03	12/3/12	
Hexachloroethane	34.6 U	190	34.6	1	12/05/12 09:03	12/3/12	
Indeno(1,2,3-cd)pyrene	45.8 U	190	45.8	1	12/05/12 09:03	12/3/12	
Isophorone	64.7 U	190	64.7	1	12/05/12 09:03	12/3/12	
Naphthalene	54.7 U	190	54.7	1	12/05/12 09:03	12/3/12	
Nitrobenzene	43.6 U	190	43.6	1	12/05/12 09:03	12/3/12	
N-Nitrosodi-n-propylamine	55.8 U	190	55.8	1	12/05/12 09:03	12/3/12	
Pentachlorophenol (PCP)	39.1 U	747	39.1	1	12/05/12 09:03	12/3/12	
Phenanthrene	46.9 U	190	46.9	1	12/05/12 09:03	12/3/12	
Phenol	51.4 U	190	51.4	1	12/05/12 09:03	12/3/12	
Pyrene	51.4 U	190	51.4	1	12/05/12 09:03	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	81	28 - 164	12/05/12 09:03	
2-Fluorobiphenyl	55	33 - 133	12/05/12 09:03	
2-Fluorophenol	64	10 - 126	12/05/12 09:03	
Nitrobenzene-d5	49	25 - 138	12/05/12 09:03	
Phenol-d6	53	10 - 170	12/05/12 09:03	
p-Terphenyl-d14	59	16 - 168	12/05/12 09:03	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:00
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-005	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	10.5 U	38.2	10.5	1	12/04/12 06:19	12/1/12	
Aroclor 1221	7.74 U	38.2	7.74	1	12/04/12 06:19	12/1/12	
Aroclor 1232	25.0 U	38.2	25.0	1	12/04/12 06:19	12/1/12	
Aroclor 1242	10.3 U	38.2	10.3	1	12/04/12 06:19	12/1/12	
Aroclor 1248	18.7 U	38.2	18.7	1	12/04/12 06:19	12/1/12	
Aroclor 1254	14.1 U	38.2	14.1	1	12/04/12 06:19	12/1/12	
Aroclor 1260	10.8 U	38.2	10.8	1	12/04/12 06:19	12/1/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	80	10 - 258	12/04/12 06:19	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:00
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0203-112812	**Units:**	mg/Kg
Lab Code:	J1205834-005	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**23.1 I**	25.4	2.55	1	12/04/12 23:35	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	96	62 - 109	12/04/12 23:35	
n-Nonatriacontane	107	60 - 118	12/04/12 23:35	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:00
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0203-112812	**Basis:**	Dry
Lab Code:	J1205834-005		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	**1.90**	mg/Kg	0.58	0.14	1	12/04/12 18:55	12/3/12	
Cadmium, Total Recoverable	6010B	**0.06 I**	mg/Kg	0.29	0.008	1	12/04/12 18:55	12/3/12	
Chromium, Total Recoverable	6010B	**3.16**	mg/Kg	0.58	0.03	1	12/04/12 18:55	12/3/12	
Lead, Total Recoverable	6010B	**1.50**	mg/Kg	0.58	0.15	1	12/04/12 18:55	12/3/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:10
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,1,1,2-Tetrachloroethane	0.473	U	5.76	0.473	1	12/06/12 00:40	12/5/12	
1,1,1-Trichloroethane (TCA)	0.265	U	5.76	0.265	1	12/06/12 00:40	12/5/12	
1,1,2,2-Tetrachloroethane	0.265	U	5.76	0.265	1	12/06/12 00:40	12/5/12	
1,1,2-Trichloroethane	0.450	U	5.76	0.450	1	12/06/12 00:40	12/5/12	
1,1-Dichloroethane (1,1-DCA)	0.358	U	5.76	0.358	1	12/06/12 00:40	12/5/12	
1,1-Dichloroethene (1,1-DCE)	0.795	U	5.76	0.795	1	12/06/12 00:40	12/5/12	
1,2,3-Trichloropropane	0.876	U	5.76	0.876	1	12/06/12 00:40	12/5/12	
1,2-Dibromo-3-chloropropane (DBCP)	0.611	U	11.5	0.611	1	12/06/12 00:40	12/5/12	
1,2-Dibromoethane (EDB)	0.668	U	5.76	0.668	1	12/06/12 00:40	12/5/12	
1,2-Dichlorobenzene	0.369	U	5.76	0.369	1	12/06/12 00:40	12/5/12	
1,2-Dichloroethane	0.346	U	5.76	0.346	1	12/06/12 00:40	12/5/12	
1,2-Dichloropropane	0.473	U	5.76	0.473	1	12/06/12 00:40	12/5/12	
1,3-Dichlorobenzene	0.346	U	5.76	0.346	1	12/06/12 00:40	12/5/12	
1,4-Dichlorobenzene	0.116	U	5.76	0.116	1	12/06/12 00:40	12/5/12	
2-Butanone (MEK)	**4.89**	**I**	28.8	1.85	1	12/06/12 00:40	12/5/12	
2-Hexanone	2.54	U	11.5	2.54	1	12/06/12 00:40	12/5/12	
4-Methyl-2-pentanone (MIBK)	1.73	U	11.5	1.73	1	12/06/12 00:40	12/5/12	
Acetone	**40.8**	**I**	144	2.65	1	12/06/12 00:40	12/5/12	
Benzene	0.196	U	5.76	0.196	1	12/06/12 00:40	12/5/12	
Bromochloromethane	0.691	U	5.76	0.691	1	12/06/12 00:40	12/5/12	
Bromodichloromethane	0.427	U	5.76	0.427	1	12/06/12 00:40	12/5/12	
Bromoform	0.392	U	5.76	0.392	1	12/06/12 00:40	12/5/12	
Bromomethane	0.311	U	5.76	0.311	1	12/06/12 00:40	12/5/12	
Carbon Disulfide	**3.22**	**I**	11.5	0.922	1	12/06/12 00:40	12/5/12	
Carbon Tetrachloride	0.219	U	5.76	0.219	1	12/06/12 00:40	12/5/12	
Chlorobenzene	0.162	U	5.76	0.162	1	12/06/12 00:40	12/5/12	
Chloroethane	0.381	U	5.76	0.381	1	12/06/12 00:40	12/5/12	
Chloroform	0.208	U	5.76	0.208	1	12/06/12 00:40	12/5/12	
Chloromethane	0.242	U	5.76	0.242	1	12/06/12 00:40	12/5/12	
cis-1,2-Dichloroethene	0.381	U	5.76	0.381	1	12/06/12 00:40	12/5/12	
cis-1,3-Dichloropropene	0.162	U	5.76	0.162	1	12/06/12 00:40	12/5/12	
Dibromochloromethane	0.254	U	5.76	0.254	1	12/06/12 00:40	12/5/12	
Dibromomethane	0.450	U	5.76	0.450	1	12/06/12 00:40	12/5/12	
Dichlorodifluoromethane	0.208	U	23.0	0.208	1	12/06/12 00:40	12/5/12	
Ethylbenzene	0.139	U	5.76	0.139	1	12/06/12 00:40	12/5/12	
Iodomethane	1.27	U	11.5	1.27	1	12/06/12 00:40	12/5/12	
m,p-Xylenes	**0.495**	**I**	11.5	0.242	1	12/06/12 00:40	12/5/12	
Methyl tert-Butyl Ether	0.300	U	5.76	0.300	1	12/06/12 00:40	12/5/12	
Methylene Chloride	**2.64**	**IV**	11.5	0.358	1	12/06/12 00:40	12/5/12	
o-Xylene	**0.472**	**I**	5.76	0.185	1	12/06/12 00:40	12/5/12	
Styrene	0.311	U	5.76	0.311	1	12/06/12 00:40	12/5/12	
Tetrachloroethene (PCE)	0.288	U	5.76	0.288	1	12/06/12 00:40	12/5/12	
Toluene	0.311	U	5.76	0.311	1	12/06/12 00:40	12/5/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:10
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-006	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
trans-1,2-Dichloroethene	0.450 U	5.76	0.450	1	12/06/12 00:40	12/5/12	
trans-1,3-Dichloropropene	0.254 U	5.76	0.254	1	12/06/12 00:40	12/5/12	
trans-1,4-Dichloro-2-butene	0.622 U	23.0	0.622	1	12/06/12 00:40	12/5/12	
Trichloroethene (TCE)	0.288 U	5.76	0.288	1	12/06/12 00:40	12/5/12	
Trichlorofluoromethane	0.242 U	23.0	0.242	1	12/06/12 00:40	12/5/12	
Vinyl Acetate	1.39 U	11.5	1.39	1	12/06/12 00:40	12/5/12	
Vinyl Chloride	0.300 U	5.76	0.300	1	12/06/12 00:40	12/5/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	101	80 - 120	12/06/12 00:40	
4-Bromofluorobenzene	116	64 - 135	12/06/12 00:40	
Dibromofluoromethane	100	74 - 125	12/06/12 00:40	
Toluene-d8	105	46 - 156	12/06/12 00:40	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:10
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	78.3 U	211	78.3	1	12/05/12 09:41	12/3/12	
1,2-Dichlorobenzene	39.8 U	211	39.8	1	12/05/12 09:41	12/3/12	
1,3-Dichlorobenzene	47.3 U	211	47.3	1	12/05/12 09:41	12/3/12	
1,4-Dichlorobenzene	51.0 U	211	51.0	1	12/05/12 09:41	12/3/12	
1-Methylnaphthalene	82.1 U	211	82.1	1	12/05/12 09:41	12/3/12	
2,4,5-Trichlorophenol	70.9 U	211	70.9	1	12/05/12 09:41	12/3/12	
2,4,6-Trichlorophenol	62.2 U	211	62.2	1	12/05/12 09:41	12/3/12	
2,4-Dichlorophenol	78.3 U	211	78.3	1	12/05/12 09:41	12/3/12	
2,4-Dimethylphenol	104 U	211	104	1	12/05/12 09:41	12/3/12	
2,4-Dinitrophenol	28.6 U	833	28.6	1	12/05/12 09:41	12/3/12	
2,4-Dinitrotoluene	51.0 U	211	51.0	1	12/05/12 09:41	12/3/12	
2,6-Dinitrotoluene	59.7 U	211	59.7	1	12/05/12 09:41	12/3/12	
2-Chloronaphthalene	53.5 U	211	53.5	1	12/05/12 09:41	12/3/12	
2-Chlorophenol	43.5 U	211	43.5	1	12/05/12 09:41	12/3/12	
2-Methylnaphthalene	73.4 U	211	73.4	1	12/05/12 09:41	12/3/12	
2-Methylphenol	59.7 U	211	59.7	1	12/05/12 09:41	12/3/12	
2-Nitroaniline	63.4 U	211	63.4	1	12/05/12 09:41	12/3/12	
2-Nitrophenol	64.7 U	833	64.7	1	12/05/12 09:41	12/3/12	
3- and 4-Methylphenol Coelution	53.5 U	211	53.5	1	12/05/12 09:41	12/3/12	
3,3'-Dichlorobenzidine	106 U	833	106	1	12/05/12 09:41	12/3/12	
3-Nitroaniline	63.4 U	211	63.4	1	12/05/12 09:41	12/3/12	
4,6-Dinitro-2-methylphenol	59.7 U	211	59.7	1	12/05/12 09:41	12/3/12	
4-Bromophenyl Phenyl Ether	64.7 U	211	64.7	1	12/05/12 09:41	12/3/12	
4-Chloro-3-methylphenol	65.9 U	211	65.9	1	12/05/12 09:41	12/3/12	
4-Chloroaniline	85.8 U	211	85.8	1	12/05/12 09:41	12/3/12	
4-Chlorophenyl Phenyl Ether	64.7 U	211	64.7	1	12/05/12 09:41	12/3/12	
4-Nitroaniline	68.4 U	211	68.4	1	12/05/12 09:41	12/3/12	
4-Nitrophenol	69.6 U	833	69.6	1	12/05/12 09:41	12/3/12	
Acenaphthene	65.9 U	211	65.9	1	12/05/12 09:41	12/3/12	
Acenaphthylene	58.5 U	211	58.5	1	12/05/12 09:41	12/3/12	
Acetophenone	57.2 U	423	57.2	1	12/05/12 09:41	12/3/12	
Anthracene	53.5 U	211	53.5	1	12/05/12 09:41	12/3/12	
Benz(a)anthracene	58.5 U	211	58.5	1	12/05/12 09:41	12/3/12	
Benzo(a)pyrene	46.0 U	211	46.0	1	12/05/12 09:41	12/3/12	
Benzo(b)fluoranthene	32.4 U	211	32.4	1	12/05/12 09:41	12/3/12	
Benzo(g,h,i)perylene	64.7 U	211	64.7	1	12/05/12 09:41	12/3/12	
Benzo(k)fluoranthene	73.4 U	211	73.4	1	12/05/12 09:41	12/3/12	
Benzyl Alcohol	47.3 U	423	47.3	1	12/05/12 09:41	12/3/12	
Bis(2-chloroethoxy)methane	65.9 U	211	65.9	1	12/05/12 09:41	12/3/12	
Bis(2-chloroethyl) Ether	52.2 U	211	52.2	1	12/05/12 09:41	12/3/12	
Bis(2-chloroisopropyl) Ether	43.5 U	211	43.5	1	12/05/12 09:41	12/3/12	
Bis(2-ethylhexyl) Phthalate	54.7 U	211	54.7	1	12/05/12 09:41	12/3/12	
Butyl Benzyl Phthalate	58.5 U	423	58.5	1	12/05/12 09:41	12/3/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:10
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-006	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	70.9 U	211	70.9	1	12/05/12 09:41	12/3/12	
Chrysene	56.0 U	211	56.0	1	12/05/12 09:41	12/3/12	
Dibenz(a,h)anthracene	57.2 U	211	57.2	1	12/05/12 09:41	12/3/12	
Dibenzofuran	57.2 U	211	57.2	1	12/05/12 09:41	12/3/12	
Diethyl Phthalate	63.4 U	211	63.4	1	12/05/12 09:41	12/3/12	
Dimethyl Phthalate	65.9 U	211	65.9	1	12/05/12 09:41	12/3/12	
Di-n-butyl Phthalate	42.3 U	211	42.3	1	12/05/12 09:41	12/3/12	
Di-n-octyl Phthalate	64.7 U	211	64.7	1	12/05/12 09:41	12/3/12	
Diphenylamine + n-Nitrosodiphenylamine	46.0 U	211	46.0	1	12/05/12 09:41	12/3/12	
Fluoranthene	59.7 U	211	59.7	1	12/05/12 09:41	12/3/12	
Fluorene	58.5 U	211	58.5	1	12/05/12 09:41	12/3/12	
Hexachlorobenzene	59.7 U	211	59.7	1	12/05/12 09:41	12/3/12	
Hexachlorobutadiene	68.4 U	211	68.4	1	12/05/12 09:41	12/3/12	
Hexachlorocyclopentadiene	42.3 U	211	42.3	1	12/05/12 09:41	12/3/12	
Hexachloroethane	38.6 U	211	38.6	1	12/05/12 09:41	12/3/12	
Indeno(1,2,3-cd)pyrene	51.0 U	211	51.0	1	12/05/12 09:41	12/3/12	
Isophorone	72.1 U	211	72.1	1	12/05/12 09:41	12/3/12	
Naphthalene	60.9 U	211	60.9	1	12/05/12 09:41	12/3/12	
Nitrobenzene	48.5 U	211	48.5	1	12/05/12 09:41	12/3/12	
N-Nitrosodi-n-propylamine	62.2 U	211	62.2	1	12/05/12 09:41	12/3/12	
Pentachlorophenol (PCP)	43.5 U	833	43.5	1	12/05/12 09:41	12/3/12	
Phenanthrene	52.2 U	211	52.2	1	12/05/12 09:41	12/3/12	
Phenol	57.2 U	211	57.2	1	12/05/12 09:41	12/3/12	
Pyrene	57.2 U	211	57.2	1	12/05/12 09:41	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	109	28 - 164	12/05/12 09:41	
2-Fluorobiphenyl	69	33 - 133	12/05/12 09:41	
2-Fluorophenol	83	10 - 126	12/05/12 09:41	
Nitrobenzene-d5	63	25 - 138	12/05/12 09:41	
Phenol-d6	67	10 - 170	12/05/12 09:41	
p-Terphenyl-d14	70	16 - 168	12/05/12 09:41	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:10
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0405-112812	**Units:**	ug/Kg
Lab Code:	J1205834-006	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	11.4 U	41.3	11.4	1	12/04/12 06:44	12/1/12	
Aroclor 1221	8.36 U	41.3	8.36	1	12/04/12 06:44	12/1/12	
Aroclor 1232	27.1 U	41.3	27.1	1	12/04/12 06:44	12/1/12	
Aroclor 1242	11.2 U	41.3	11.2	1	12/04/12 06:44	12/1/12	
Aroclor 1248	20.2 U	41.3	20.2	1	12/04/12 06:44	12/1/12	
Aroclor 1254	15.3 U	41.3	15.3	1	12/04/12 06:44	12/1/12	
Aroclor 1260	11.7 U	41.3	11.7	1	12/04/12 06:44	12/1/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	73	10 - 258	12/04/12 06:44	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:10
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0405-112812	**Units:**	mg/Kg
Lab Code:	J1205834-006	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**36.7**	25.7	2.58	1	12/05/12 00:04	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	93	62 - 109	12/05/12 00:04	
n-Nonatriacontane	102	60 - 118	12/05/12 00:04	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:10
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB01-0405-112812	**Basis:**	Dry
Lab Code:	J1205834-006		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	**1.96**	mg/Kg	0.48	0.12	1	12/04/12 18:59	12/3/12	
Cadmium, Total Recoverable	6010B	**0.10 I**	mg/Kg	0.24	0.007	1	12/04/12 18:59	12/3/12	
Chromium, Total Recoverable	6010B	**6.84**	mg/Kg	0.48	0.02	1	12/04/12 18:59	12/3/12	
Lead, Total Recoverable	6010B	**9.67**	mg/Kg	0.48	0.13	1	12/04/12 18:59	12/3/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB03-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,1,1,2-Tetrachloroethane	0.429	U	5.23	0.429	1	12/06/12 01:08	12/5/12	
1,1,1-Trichloroethane (TCA)	0.241	U	5.23	0.241	1	12/06/12 01:08	12/5/12	
1,1,2,2-Tetrachloroethane	0.241	U	5.23	0.241	1	12/06/12 01:08	12/5/12	
1,1,2-Trichloroethane	0.408	U	5.23	0.408	1	12/06/12 01:08	12/5/12	
1,1-Dichloroethane (1,1-DCA)	0.325	U	5.23	0.325	1	12/06/12 01:08	12/5/12	
1,1-Dichloroethene (1,1-DCE)	0.722	U	5.23	0.722	1	12/06/12 01:08	12/5/12	
1,2,3-Trichloropropane	0.795	U	5.23	0.795	1	12/06/12 01:08	12/5/12	
1,2-Dibromo-3-chloropropane (DBCP)	0.555	U	10.5	0.555	1	12/06/12 01:08	12/5/12	
1,2-Dibromoethane (EDB)	0.607	U	5.23	0.607	1	12/06/12 01:08	12/5/12	
1,2-Dichlorobenzene	0.335	U	5.23	0.335	1	12/06/12 01:08	12/5/12	
1,2-Dichloroethane	0.314	U	5.23	0.314	1	12/06/12 01:08	12/5/12	
1,2-Dichloropropane	0.429	U	5.23	0.429	1	12/06/12 01:08	12/5/12	
1,3-Dichlorobenzene	0.314	U	5.23	0.314	1	12/06/12 01:08	12/5/12	
1,4-Dichlorobenzene	0.105	U	5.23	0.105	1	12/06/12 01:08	12/5/12	
2-Butanone (MEK)	1.68	U	26.1	1.68	1	12/06/12 01:08	12/5/12	
2-Hexanone	2.31	U	10.5	2.31	1	12/06/12 01:08	12/5/12	
4-Methyl-2-pentanone (MIBK)	1.57	U	10.5	1.57	1	12/06/12 01:08	12/5/12	
Acetone	**19.0**	**I**	131	2.41	1	12/06/12 01:08	12/5/12	
Benzene	0.178	U	5.23	0.178	1	12/06/12 01:08	12/5/12	
Bromochloromethane	0.628	U	5.23	0.628	1	12/06/12 01:08	12/5/12	
Bromodichloromethane	0.387	U	5.23	0.387	1	12/06/12 01:08	12/5/12	
Bromoform	0.356	U	5.23	0.356	1	12/06/12 01:08	12/5/12	
Bromomethane	0.283	U	5.23	0.283	1	12/06/12 01:08	12/5/12	
Carbon Disulfide	0.837	U	10.5	0.837	1	12/06/12 01:08	12/5/12	
Carbon Tetrachloride	0.199	U	5.23	0.199	1	12/06/12 01:08	12/5/12	
Chlorobenzene	0.147	U	5.23	0.147	1	12/06/12 01:08	12/5/12	
Chloroethane	0.346	U	5.23	0.346	1	12/06/12 01:08	12/5/12	
Chloroform	0.189	U	5.23	0.189	1	12/06/12 01:08	12/5/12	
Chloromethane	0.220	U	5.23	0.220	1	12/06/12 01:08	12/5/12	
cis-1,2-Dichloroethene	0.346	U	5.23	0.346	1	12/06/12 01:08	12/5/12	
cis-1,3-Dichloropropene	0.147	U	5.23	0.147	1	12/06/12 01:08	12/5/12	
Dibromochloromethane	0.231	U	5.23	0.231	1	12/06/12 01:08	12/5/12	
Dibromomethane	0.408	U	5.23	0.408	1	12/06/12 01:08	12/5/12	
Dichlorodifluoromethane	0.189	U	20.9	0.189	1	12/06/12 01:08	12/5/12	
Ethylbenzene	0.126	U	5.23	0.126	1	12/06/12 01:08	12/5/12	
Iodomethane	1.16	U	10.5	1.16	1	12/06/12 01:08	12/5/12	
m,p-Xylenes	0.220	U	10.5	0.220	1	12/06/12 01:08	12/5/12	
Methyl tert-Butyl Ether	0.272	U	5.23	0.272	1	12/06/12 01:08	12/5/12	
Methylene Chloride	**2.61**	**IV**	10.5	0.325	1	12/06/12 01:08	12/5/12	
o-Xylene	0.168	U	5.23	0.168	1	12/06/12 01:08	12/5/12	
Styrene	0.283	U	5.23	0.283	1	12/06/12 01:08	12/5/12	
Tetrachloroethene (PCE)	0.262	U	5.23	0.262	1	12/06/12 01:08	12/5/12	
Toluene	0.283	U	5.23	0.283	1	12/06/12 01:08	12/5/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB03-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-007	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result		MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
trans-1,2-Dichloroethene	0.408	U	5.23	0.408	1	12/06/12 01:08	12/5/12	
trans-1,3-Dichloropropene	0.231	U	5.23	0.231	1	12/06/12 01:08	12/5/12	
trans-1,4-Dichloro-2-butene	0.565	U	20.9	0.565	1	12/06/12 01:08	12/5/12	
Trichloroethene (TCE)	0.262	U	5.23	0.262	1	12/06/12 01:08	12/5/12	
Trichlorofluoromethane	0.220	U	20.9	0.220	1	12/06/12 01:08	12/5/12	
Vinyl Acetate	1.26	U	10.5	1.26	1	12/06/12 01:08	12/5/12	
Vinyl Chloride	0.272	U	5.23	0.272	1	12/06/12 01:08	12/5/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	103	80 - 120	12/06/12 01:08	
4-Bromofluorobenzene	101	64 - 135	12/06/12 01:08	
Dibromofluoromethane	100	74 - 125	12/06/12 01:08	
Toluene-d8	102	46 - 156	12/06/12 01:08	

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB03-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	68.9 U	186	68.9	1	12/05/12 10:20	12/3/12	
1,2-Dichlorobenzene	35.0 U	186	35.0	1	12/05/12 10:20	12/3/12	
1,3-Dichlorobenzene	41.6 U	186	41.6	1	12/05/12 10:20	12/3/12	
1,4-Dichlorobenzene	44.9 U	186	44.9	1	12/05/12 10:20	12/3/12	
1-Methylnaphthalene	72.2 U	186	72.2	1	12/05/12 10:20	12/3/12	
2,4,5-Trichlorophenol	62.4 U	186	62.4	1	12/05/12 10:20	12/3/12	
2,4,6-Trichlorophenol	54.7 U	186	54.7	1	12/05/12 10:20	12/3/12	
2,4-Dichlorophenol	68.9 U	186	68.9	1	12/05/12 10:20	12/3/12	
2,4-Dimethylphenol	90.8 U	186	90.8	1	12/05/12 10:20	12/3/12	
2,4-Dinitrophenol	25.2 U	733	25.2	1	12/05/12 10:20	12/3/12	
2,4-Dinitrotoluene	44.9 U	186	44.9	1	12/05/12 10:20	12/3/12	
2,6-Dinitrotoluene	52.5 U	186	52.5	1	12/05/12 10:20	12/3/12	
2-Chloronaphthalene	47.1 U	186	47.1	1	12/05/12 10:20	12/3/12	
2-Chlorophenol	38.3 U	186	38.3	1	12/05/12 10:20	12/3/12	
2-Methylnaphthalene	64.6 U	186	64.6	1	12/05/12 10:20	12/3/12	
2-Methylphenol	52.5 U	186	52.5	1	12/05/12 10:20	12/3/12	
2-Nitroaniline	55.8 U	186	55.8	1	12/05/12 10:20	12/3/12	
2-Nitrophenol	56.9 U	733	56.9	1	12/05/12 10:20	12/3/12	
3- and 4-Methylphenol Coelution	47.1 U	186	47.1	1	12/05/12 10:20	12/3/12	
3,3'-Dichlorobenzidine	93.0 U	733	93.0	1	12/05/12 10:20	12/3/12	
3-Nitroaniline	55.8 U	186	55.8	1	12/05/12 10:20	12/3/12	
4,6-Dinitro-2-methylphenol	52.5 U	186	52.5	1	12/05/12 10:20	12/3/12	
4-Bromophenyl Phenyl Ether	56.9 U	186	56.9	1	12/05/12 10:20	12/3/12	
4-Chloro-3-methylphenol	58.0 U	186	58.0	1	12/05/12 10:20	12/3/12	
4-Chloroaniline	75.5 U	186	75.5	1	12/05/12 10:20	12/3/12	
4-Chlorophenyl Phenyl Ether	56.9 U	186	56.9	1	12/05/12 10:20	12/3/12	
4-Nitroaniline	60.2 U	186	60.2	1	12/05/12 10:20	12/3/12	
4-Nitrophenol	61.3 U	733	61.3	1	12/05/12 10:20	12/3/12	
Acenaphthene	58.0 U	186	58.0	1	12/05/12 10:20	12/3/12	
Acenaphthylene	51.4 U	186	51.4	1	12/05/12 10:20	12/3/12	
Acetophenone	50.4 U	372	50.4	1	12/05/12 10:20	12/3/12	
Anthracene	47.1 U	186	47.1	1	12/05/12 10:20	12/3/12	
Benz(a)anthracene	51.4 U	186	51.4	1	12/05/12 10:20	12/3/12	
Benzo(a)pyrene	40.5 U	186	40.5	1	12/05/12 10:20	12/3/12	
Benzo(b)fluoranthene	28.5 U	186	28.5	1	12/05/12 10:20	12/3/12	
Benzo(g,h,i)perylene	56.9 U	186	56.9	1	12/05/12 10:20	12/3/12	
Benzo(k)fluoranthene	64.6 U	186	64.6	1	12/05/12 10:20	12/3/12	
Benzyl Alcohol	41.6 U	372	41.6	1	12/05/12 10:20	12/3/12	
Bis(2-chloroethoxy)methane	58.0 U	186	58.0	1	12/05/12 10:20	12/3/12	
Bis(2-chloroethyl) Ether	46.0 U	186	46.0	1	12/05/12 10:20	12/3/12	
Bis(2-chloroisopropyl) Ether	38.3 U	186	38.3	1	12/05/12 10:20	12/3/12	
Bis(2-ethylhexyl) Phthalate	48.2 U	186	48.2	1	12/05/12 10:20	12/3/12	
Butyl Benzyl Phthalate	51.4 U	372	51.4	1	12/05/12 10:20	12/3/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB03-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-007	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	62.4 U	186	62.4	1	12/05/12 10:20	12/3/12	
Chrysene	49.3 U	186	49.3	1	12/05/12 10:20	12/3/12	
Dibenz(a,h)anthracene	50.4 U	186	50.4	1	12/05/12 10:20	12/3/12	
Dibenzofuran	50.4 U	186	50.4	1	12/05/12 10:20	12/3/12	
Diethyl Phthalate	55.8 U	186	55.8	1	12/05/12 10:20	12/3/12	
Dimethyl Phthalate	58.0 U	186	58.0	1	12/05/12 10:20	12/3/12	
Di-n-butyl Phthalate	37.2 U	186	37.2	1	12/05/12 10:20	12/3/12	
Di-n-octyl Phthalate	56.9 U	186	56.9	1	12/05/12 10:20	12/3/12	
Diphenylamine + n-Nitrosodiphenylamine	40.5 U	186	40.5	1	12/05/12 10:20	12/3/12	
Fluoranthene	52.5 U	186	52.5	1	12/05/12 10:20	12/3/12	
Fluorene	51.4 U	186	51.4	1	12/05/12 10:20	12/3/12	
Hexachlorobenzene	52.5 U	186	52.5	1	12/05/12 10:20	12/3/12	
Hexachlorobutadiene	60.2 U	186	60.2	1	12/05/12 10:20	12/3/12	
Hexachlorocyclopentadiene	37.2 U	186	37.2	1	12/05/12 10:20	12/3/12	
Hexachloroethane	33.9 U	186	33.9	1	12/05/12 10:20	12/3/12	
Indeno(1,2,3-cd)pyrene	44.9 U	186	44.9	1	12/05/12 10:20	12/3/12	
Isophorone	63.5 U	186	63.5	1	12/05/12 10:20	12/3/12	
Naphthalene	53.6 U	186	53.6	1	12/05/12 10:20	12/3/12	
Nitrobenzene	42.7 U	186	42.7	1	12/05/12 10:20	12/3/12	
N-Nitrosodi-n-propylamine	54.7 U	186	54.7	1	12/05/12 10:20	12/3/12	
Pentachlorophenol (PCP)	38.3 U	733	38.3	1	12/05/12 10:20	12/3/12	
Phenanthrene	46.0 U	186	46.0	1	12/05/12 10:20	12/3/12	
Phenol	50.4 U	186	50.4	1	12/05/12 10:20	12/3/12	
Pyrene	50.4 U	186	50.4	1	12/05/12 10:20	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	95	28 - 164	12/05/12 10:20	
2-Fluorobiphenyl	64	33 - 133	12/05/12 10:20	
2-Fluorophenol	78	10 - 126	12/05/12 10:20	
Nitrobenzene-d5	59	25 - 138	12/05/12 10:20	
Phenol-d6	62	10 - 170	12/05/12 10:20	
p-Terphenyl-d14	74	16 - 168	12/05/12 10:20	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB03-0203-112812	**Units:**	ug/Kg
Lab Code:	J1205834-007	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	11.7 U	42.3	11.7	1	12/04/12 07:10	12/1/12	
Aroclor 1221	8.57 U	42.3	8.57	1	12/04/12 07:10	12/1/12	
Aroclor 1232	27.7 U	42.3	27.7	1	12/04/12 07:10	12/1/12	
Aroclor 1242	11.5 U	42.3	11.5	1	12/04/12 07:10	12/1/12	
Aroclor 1248	20.7 U	42.3	20.7	1	12/04/12 07:10	12/1/12	
Aroclor 1254	15.6 U	42.3	15.6	1	12/04/12 07:10	12/1/12	
Aroclor 1260	12.0 U	42.3	12.0	1	12/04/12 07:10	12/1/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	76	10 - 258	12/04/12 07:10	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB03-0203-112812	**Units:**	mg/Kg
Lab Code:	J1205834-007	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.34 U	23.3	2.34	1	12/05/12 01:01	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	93	62 - 109	12/05/12 01:01	
n-Nonatriacontane	103	60 - 118	12/05/12 01:01	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 14:45
Sample Matrix:	Soil	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-SB03-0203-112812	**Basis:**	Dry
Lab Code:	J1205834-007		

Inorganic Parameters

Analyte Name	Analysis Method	Result	Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	**1.64**	mg/Kg	0.42	0.12	1	12/04/12 19:02	12/3/12	
Cadmium, Total Recoverable	6010B	0.007 U	mg/Kg	0.21	0.007	1	12/04/12 19:02	12/3/12	
Chromium, Total Recoverable	6010B	**4.47**	mg/Kg	0.42	0.02	1	12/04/12 19:02	12/3/12	
Lead, Total Recoverable	6010B	**1.69**	mg/Kg	0.42	0.13	1	12/04/12 19:02	12/3/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 15:55
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-GW01-112812	**Units:**	ug/L
Lab Code:	J1205834-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	12/01/12 03:20	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/01/12 03:20	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/01/12 03:20	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/01/12 03:20	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/01/12 03:20	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/01/12 03:20	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	12/01/12 03:20	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	12/01/12 03:20	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	12/01/12 03:20	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/01/12 03:20	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/01/12 03:20	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/01/12 03:20	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/01/12 03:20	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/01/12 03:20	
2-Butanone (MEK)	3.8 U	10	3.8	1	12/01/12 03:20	
2-Hexanone	2.2 U	25	2.2	1	12/01/12 03:20	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	12/01/12 03:20	
Acetone	5.6 U	50	5.6	1	12/01/12 03:20	
Benzene	0.21 U	1.0	0.21	1	12/01/12 03:20	
Bromochloromethane	0.27 U	5.0	0.27	1	12/01/12 03:20	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/01/12 03:20	
Bromoform	0.42 U	2.0	0.42	1	12/01/12 03:20	
Bromomethane	0.23 U	5.0	0.23	1	12/01/12 03:20	
Carbon Disulfide	2.4 U	10	2.4	1	12/01/12 03:20	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/01/12 03:20	
Chlorobenzene	0.16 U	1.0	0.16	1	12/01/12 03:20	
Chloroethane	0.52 U	5.0	0.52	1	12/01/12 03:20	
Chloroform	0.35 U	1.0	0.35	1	12/01/12 03:20	
Chloromethane	0.36 U	1.0	0.36	1	12/01/12 03:20	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/01/12 03:20	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/01/12 03:20	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/01/12 03:20	
Dibromomethane	0.36 U	5.0	0.36	1	12/01/12 03:20	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/01/12 03:20	
Ethylbenzene	0.21 U	1.0	0.21	1	12/01/12 03:20	
Iodomethane	2.7 U	5.0	2.7	1	12/01/12 03:20	
m,p-Xylenes	0.31 U	2.0	0.31	1	12/01/12 03:20	
Methyl tert-Butyl Ether	0.24 U	2.0	0.24	1	12/01/12 03:20	
Methylene Chloride	0.21 U	5.0	0.21	1	12/01/12 03:20	
o-Xylene	0.14 U	1.0	0.14	1	12/01/12 03:20	
Styrene	0.29 U	1.0	0.29	1	12/01/12 03:20	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/01/12 03:20	
Toluene	0.19 U	1.0	0.19	1	12/01/12 03:20	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 15:55
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-GW01-112812	**Units:**	ug/L
Lab Code:	J1205834-008	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/01/12 03:20	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/01/12 03:20	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	12/01/12 03:20	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/01/12 03:20	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/01/12 03:20	
Vinyl Acetate	1.9 U	10	1.9	1	12/01/12 03:20	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/01/12 03:20	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	12/01/12 03:20	
4-Bromofluorobenzene	107	86 - 113	12/01/12 03:20	
Dibromofluoromethane	101	86 - 112	12/01/12 03:20	
Toluene-d8	109	88 - 115	12/01/12 03:20	

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 15:55
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-GW01-112812	**Units:**	ug/L
Lab Code:	J1205834-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	0.625 U	5.21	0.625	1	12/05/12 12:17	11/29/12	
1,2-Dichlorobenzene	0.667 U	5.21	0.667	1	12/05/12 12:17	11/29/12	
1,3-Dichlorobenzene	0.959 U	5.21	0.959	1	12/05/12 12:17	11/29/12	
1,4-Dichlorobenzene	0.948 U	5.21	0.948	1	12/05/12 12:17	11/29/12	
1-Methylnaphthalene	0.761 U	5.21	0.761	1	12/05/12 12:17	11/29/12	
2,4,5-Trichlorophenol	1.36 U	5.21	1.36	1	12/05/12 12:17	11/29/12	
2,4,6-Trichlorophenol	0.928 U	5.21	0.928	1	12/05/12 12:17	11/29/12	
2,4-Dichlorophenol	1.25 U	5.21	1.25	1	12/05/12 12:17	11/29/12	
2,4-Dimethylphenol	1.57 U	5.21	1.57	1	12/05/12 12:17	11/29/12	
2,4-Dinitrophenol	0.792 U	20.8	0.792	1	12/05/12 12:17	11/29/12	
2,4-Dinitrotoluene	1.36 U	5.21	1.36	1	12/05/12 12:17	11/29/12	
2,6-Dinitrotoluene	1.15 U	5.21	1.15	1	12/05/12 12:17	11/29/12	
2-Chloronaphthalene	4.80 U	5.21	4.80	1	12/05/12 12:17	11/29/12	
2-Chlorophenol	1.25 U	5.21	1.25	1	12/05/12 12:17	11/29/12	
2-Methylnaphthalene	0.657 U	5.21	0.657	1	12/05/12 12:17	11/29/12	
2-Methylphenol	1.36 U	5.21	1.36	1	12/05/12 12:17	11/29/12	
2-Nitroaniline	1.57 U	5.21	1.57	1	12/05/12 12:17	11/29/12	
2-Nitrophenol	1.46 U	20.8	1.46	1	12/05/12 12:17	11/29/12	
3- and 4-Methylphenol Coelution	1.05 U	5.21	1.05	1	12/05/12 12:17	11/29/12	
3,3'-Dichlorobenzidine	1.46 U	20.8	1.46	1	12/05/12 12:17	11/29/12	
3-Nitroaniline	1.15 U	5.21	1.15	1	12/05/12 12:17	11/29/12	
4,6-Dinitro-2-methylphenol	1.05 U	20.8	1.05	1	12/05/12 12:17	11/29/12	
4-Bromophenyl Phenyl Ether	1.36 U	5.21	1.36	1	12/05/12 12:17	11/29/12	
4-Chloro-3-methylphenol	1.88 U	5.21	1.88	1	12/05/12 12:17	11/29/12	
4-Chloroaniline	1.46 U	5.21	1.46	1	12/05/12 12:17	11/29/12	
4-Chlorophenyl Phenyl Ether	1.00 U	5.21	1.00	1	12/05/12 12:17	11/29/12	
4-Nitroaniline	1.05 U	5.21	1.05	1	12/05/12 12:17	11/29/12	
4-Nitrophenol	1.88 U	20.8	1.88	1	12/05/12 12:17	11/29/12	
Acenaphthene	4.38 U	5.21	4.38	1	12/05/12 12:17	11/29/12	
Acenaphthylene	1.04 U	5.21	1.04	1	12/05/12 12:17	11/29/12	
Acetophenone	1.67 U	10.4	1.67	1	12/05/12 12:17	11/29/12	
Anthracene	1.67 U	5.21	1.67	1	12/05/12 12:17	11/29/12	
Benz(a)anthracene	1.05 U	5.21	1.05	1	12/05/12 12:17	11/29/12	
Benzo(a)pyrene	1.25 U	5.21	1.25	1	12/05/12 12:17	11/29/12	
Benzo(b)fluoranthene	1.05 U	5.21	1.05	1	12/05/12 12:17	11/29/12	
Benzo(g,h,i)perylene	1.46 U	5.21	1.46	1	12/05/12 12:17	11/29/12	
Benzo(k)fluoranthene	1.88 U	5.21	1.88	1	12/05/12 12:17	11/29/12	
Benzyl Alcohol	1.46 U	5.21	1.46	1	12/05/12 12:17	11/29/12	
Bis(2-chloroethoxy)methane	1.25 U	5.21	1.25	1	12/05/12 12:17	11/29/12	
Bis(2-chloroethyl) Ether	1.98 U	5.21	1.98	1	12/05/12 12:17	11/29/12	
Bis(2-chloroisopropyl) Ether	1.57 U	5.21	1.57	1	12/05/12 12:17	11/29/12	
Bis(2-ethylhexyl) Phthalate	1.57 U	5.21	1.57	1	12/05/12 12:17	11/29/12	
Butyl Benzyl Phthalate	0.896 U	10.4	0.896	1	12/05/12 12:17	11/29/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 15:55
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-GW01-112812	**Units:**	ug/L
Lab Code:	J1205834-008	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.88 U	5.21	1.88	1	12/05/12 12:17	11/29/12	
Chrysene	1.25 U	5.21	1.25	1	12/05/12 12:17	11/29/12	
Dibenz(a,h)anthracene	1.57 U	5.21	1.57	1	12/05/12 12:17	11/29/12	
Dibenzofuran	1.36 U	5.21	1.36	1	12/05/12 12:17	11/29/12	
Diethyl Phthalate	1.78 U	5.21	1.78	1	12/05/12 12:17	11/29/12	
Dimethyl Phthalate	1.36 U	5.21	1.36	1	12/05/12 12:17	11/29/12	
Di-n-butyl Phthalate	2.30 U	5.21	2.30	1	12/05/12 12:17	11/29/12	
Di-n-octyl Phthalate	2.92 U	5.21	2.92	1	12/05/12 12:17	11/29/12	
Diphenylamine + n-Nitrosodiphenylamine	1.15 U	5.21	1.15	1	12/05/12 12:17	11/29/12	
Fluoranthene	1.46 U	5.21	1.46	1	12/05/12 12:17	11/29/12	
Fluorene	0.875 U	5.21	0.875	1	12/05/12 12:17	11/29/12	
Hexachlorobenzene	1.78 U	5.21	1.78	1	12/05/12 12:17	11/29/12	
Hexachlorobutadiene	1.25 U	5.21	1.25	1	12/05/12 12:17	11/29/12	
Hexachlorocyclopentadiene	0.521 U	5.21	0.521	1	12/05/12 12:17	11/29/12	
Hexachloroethane	0.844 U	5.21	0.844	1	12/05/12 12:17	11/29/12	
Indeno(1,2,3-cd)pyrene	1.78 U	5.21	1.78	1	12/05/12 12:17	11/29/12	
Isophorone	1.88 U	5.21	1.88	1	12/05/12 12:17	11/29/12	
Naphthalene	0.553 U	5.21	0.553	1	12/05/12 12:17	11/29/12	
Nitrobenzene	2.19 U	5.21	2.19	1	12/05/12 12:17	11/29/12	
N-Nitrosodi-n-propylamine	2.30 U	5.21	2.30	1	12/05/12 12:17	11/29/12	
Pentachlorophenol (PCP)	1.15 U	20.8	1.15	1	12/05/12 12:17	11/29/12	
Phenanthrene	1.46 U	5.21	1.46	1	12/05/12 12:17	11/29/12	
Phenol	0.615 U	5.21	0.615	1	12/05/12 12:17	11/29/12	
Pyrene	0.771 U	5.21	0.771	1	12/05/12 12:17	11/29/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	106	13 - 133	12/05/12 12:17	
2-Fluorobiphenyl	66	22 - 105	12/05/12 12:17	
2-Fluorophenol	73	10 - 69	12/05/12 12:17	*
Nitrobenzene-d5	66	10 - 123	12/05/12 12:17	
Phenol-d6	40	10 - 59	12/05/12 12:17	
p-Terphenyl-d14	71	20 - 128	12/05/12 12:17	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 15:55
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-GW01-112812	**Units:**	ug/L
Lab Code:	J1205834-008	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	2.64 U	10.2	2.64	20	12/06/12 09:08	12/3/12	
Aroclor 1221	5.89 U	10.2	5.89	20	12/06/12 09:08	12/3/12	
Aroclor 1232	4.07 U	10.2	4.07	20	12/06/12 09:08	12/3/12	
Aroclor 1242	2.64 U	10.2	2.64	20	12/06/12 09:08	12/3/12	
Aroclor 1248	0.264 U	0.508	0.264	1	12/04/12 10:11	12/3/12	
Aroclor 1254	0.336 U	0.508	0.336	1	12/04/12 10:11	12/3/12	
Aroclor 1260	0.272 U	0.508	0.272	1	12/04/12 10:11	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	101	10 - 151	12/04/12 10:11	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 15:55
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-GW01-112812	**Units:**	mg/L
Lab Code:	J1205834-008	**Basis:**	NA

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	0.126 U	0.412	0.126	1	12/04/12 16:52	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	94	82 - 142	12/04/12 16:52	
n-Nonatriacontane	99	42 - 193	12/04/12 16:52	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 15:55
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	MPT-1596-GW01-112812	**Basis:**	NA
Lab Code:	J1205834-008		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	**4**	**I**	ug/L	10	4	1	12/01/12 16:28	11/30/12	
Cadmium, Total Recoverable	6010B	0.2	U	ug/L	5.0	0.2	1	12/01/12 16:28	11/30/12	
Chromium, Total Recoverable	6010B	0.5	U	ug/L	10	0.5	1	12/01/12 16:28	11/30/12	
Lead, Total Recoverable	6010B	4	U	ug/L	10	4	1	12/01/12 16:28	11/30/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 00:00
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	J1205834-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	12/01/12 02:49	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	12/01/12 02:49	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	12/01/12 02:49	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	12/01/12 02:49	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	12/01/12 02:49	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	12/01/12 02:49	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	12/01/12 02:49	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	12/01/12 02:49	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	12/01/12 02:49	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	12/01/12 02:49	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	12/01/12 02:49	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	12/01/12 02:49	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	12/01/12 02:49	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	12/01/12 02:49	
2-Butanone (MEK)	3.8 U	10	3.8	1	12/01/12 02:49	
2-Hexanone	2.2 U	25	2.2	1	12/01/12 02:49	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	12/01/12 02:49	
Acetone	5.6 U	50	5.6	1	12/01/12 02:49	
Benzene	0.21 U	1.0	0.21	1	12/01/12 02:49	
Bromochloromethane	0.27 U	5.0	0.27	1	12/01/12 02:49	
Bromodichloromethane	0.22 U	1.0	0.22	1	12/01/12 02:49	
Bromoform	0.42 U	2.0	0.42	1	12/01/12 02:49	
Bromomethane	0.23 U	5.0	0.23	1	12/01/12 02:49	
Carbon Disulfide	2.4 U	10	2.4	1	12/01/12 02:49	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	12/01/12 02:49	
Chlorobenzene	0.16 U	1.0	0.16	1	12/01/12 02:49	
Chloroethane	0.52 U	5.0	0.52	1	12/01/12 02:49	
Chloroform	0.35 U	1.0	0.35	1	12/01/12 02:49	
Chloromethane	0.36 U	1.0	0.36	1	12/01/12 02:49	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	12/01/12 02:49	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	12/01/12 02:49	
Dibromochloromethane	0.21 U	1.0	0.21	1	12/01/12 02:49	
Dibromomethane	0.36 U	5.0	0.36	1	12/01/12 02:49	
Dichlorodifluoromethane	0.23 U	20	0.23	1	12/01/12 02:49	
Ethylbenzene	0.21 U	1.0	0.21	1	12/01/12 02:49	
Iodomethane	2.7 U	5.0	2.7	1	12/01/12 02:49	
m,p-Xylenes	0.31 U	2.0	0.31	1	12/01/12 02:49	
Methyl tert-Butyl Ether	0.24 U	2.0	0.24	1	12/01/12 02:49	
Methylene Chloride	0.21 U	5.0	0.21	1	12/01/12 02:49	
o-Xylene	0.14 U	1.0	0.14	1	12/01/12 02:49	
Styrene	0.29 U	1.0	0.29	1	12/01/12 02:49	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	12/01/12 02:49	
Toluene	0.19 U	1.0	0.19	1	12/01/12 02:49	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12 00:00
Sample Matrix:	Water	**Date Received:**	11/29/12 10:00
Sample Name:	Trip Blank	**Units:**	ug/L
Lab Code:	J1205834-009	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	12/01/12 02:49	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	12/01/12 02:49	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	12/01/12 02:49	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	12/01/12 02:49	
Trichlorofluoromethane	0.24 U	20	0.24	1	12/01/12 02:49	
Vinyl Acetate	1.9 U	10	1.9	1	12/01/12 02:49	
Vinyl Chloride	0.36 U	1.0	0.36	1	12/01/12 02:49	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	12/01/12 02:49	
4-Bromofluorobenzene	112	86 - 113	12/01/12 02:49	
Dibromofluoromethane	101	86 - 112	12/01/12 02:49	
Toluene-d8	108	88 - 115	12/01/12 02:49	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1207746-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
1,1,1,2-Tetrachloroethane	0.19 U	1.0	0.19	1	11/30/12 21:38	
1,1,1-Trichloroethane (TCA)	0.17 U	1.0	0.17	1	11/30/12 21:38	
1,1,2,2-Tetrachloroethane	0.29 U	1.0	0.29	1	11/30/12 21:38	
1,1,2-Trichloroethane	0.40 U	1.0	0.40	1	11/30/12 21:38	
1,1-Dichloroethane (1,1-DCA)	0.30 U	1.0	0.30	1	11/30/12 21:38	
1,1-Dichloroethene (1,1-DCE)	0.16 U	1.0	0.16	1	11/30/12 21:38	
1,2,3-Trichloropropane	0.42 U	2.0	0.42	1	11/30/12 21:38	
1,2-Dibromo-3-chloropropane (DBCP)	2.3 U	5.0	2.3	1	11/30/12 21:38	
1,2-Dibromoethane (EDB)	0.46 U	1.0	0.46	1	11/30/12 21:38	
1,2-Dichlorobenzene	0.48 U	1.0	0.48	1	11/30/12 21:38	
1,2-Dichloroethane	0.22 U	1.0	0.22	1	11/30/12 21:38	
1,2-Dichloropropane	0.19 U	1.0	0.19	1	11/30/12 21:38	
1,3-Dichlorobenzene	0.22 U	1.0	0.22	1	11/30/12 21:38	
1,4-Dichlorobenzene	0.16 U	1.0	0.16	1	11/30/12 21:38	
2-Butanone (MEK)	3.8 U	10	3.8	1	11/30/12 21:38	
2-Hexanone	2.2 U	25	2.2	1	11/30/12 21:38	
4-Methyl-2-pentanone (MIBK)	1.1 U	25	1.1	1	11/30/12 21:38	
Acetone	5.6 U	50	5.6	1	11/30/12 21:38	
Benzene	0.21 U	1.0	0.21	1	11/30/12 21:38	
Bromochloromethane	0.27 U	5.0	0.27	1	11/30/12 21:38	
Bromodichloromethane	0.22 U	1.0	0.22	1	11/30/12 21:38	
Bromoform	0.42 U	2.0	0.42	1	11/30/12 21:38	
Bromomethane	0.23 U	5.0	0.23	1	11/30/12 21:38	
Carbon Disulfide	2.4 U	10	2.4	1	11/30/12 21:38	
Carbon Tetrachloride	0.34 U	1.0	0.34	1	11/30/12 21:38	
Chlorobenzene	0.16 U	1.0	0.16	1	11/30/12 21:38	
Chloroethane	0.52 U	5.0	0.52	1	11/30/12 21:38	
Chloroform	0.35 U	1.0	0.35	1	11/30/12 21:38	
Chloromethane	0.36 U	1.0	0.36	1	11/30/12 21:38	
cis-1,2-Dichloroethene	0.36 U	1.0	0.36	1	11/30/12 21:38	
cis-1,3-Dichloropropene	0.20 U	1.0	0.20	1	11/30/12 21:38	
Dibromochloromethane	0.21 U	1.0	0.21	1	11/30/12 21:38	
Dibromomethane	0.36 U	5.0	0.36	1	11/30/12 21:38	
Dichlorodifluoromethane	0.23 U	20	0.23	1	11/30/12 21:38	
Ethylbenzene	0.21 U	1.0	0.21	1	11/30/12 21:38	
Iodomethane	2.7 U	5.0	2.7	1	11/30/12 21:38	
m,p-Xylenes	0.31 U	2.0	0.31	1	11/30/12 21:38	
Methyl tert-Butyl Ether	0.24 U	2.0	0.24	1	11/30/12 21:38	
Methylene Chloride	0.21 U	5.0	0.21	1	11/30/12 21:38	
o-Xylene	0.14 U	1.0	0.14	1	11/30/12 21:38	
Styrene	0.29 U	1.0	0.29	1	11/30/12 21:38	
Tetrachloroethene (PCE)	0.22 U	1.0	0.22	1	11/30/12 21:38	
Toluene	0.19 U	1.0	0.19	1	11/30/12 21:38	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1207746-03	**Basis:**	NA

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Q
trans-1,2-Dichloroethene	0.19 U	1.0	0.19	1	11/30/12 21:38	
trans-1,3-Dichloropropene	0.23 U	1.0	0.23	1	11/30/12 21:38	
trans-1,4-Dichloro-2-butene	2.2 U	20	2.2	1	11/30/12 21:38	
Trichloroethene (TCE)	0.36 U	1.0	0.36	1	11/30/12 21:38	
Trichlorofluoromethane	0.24 U	20	0.24	1	11/30/12 21:38	
Vinyl Acetate	1.9 U	10	1.9	1	11/30/12 21:38	
Vinyl Chloride	0.36 U	1.0	0.36	1	11/30/12 21:38	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	102	72 - 121	11/30/12 21:38	
4-Bromofluorobenzene	110	86 - 113	11/30/12 21:38	
Dibromofluoromethane	100	86 - 112	11/30/12 21:38	
Toluene-d8	108	88 - 115	11/30/12 21:38	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	JQ1207825-03	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,1,1,2-Tetrachloroethane	0.410 U	5.00	0.410	1	12/05/12 22:17	12/5/12	
1,1,1-Trichloroethane (TCA)	0.230 U	5.00	0.230	1	12/05/12 22:17	12/5/12	
1,1,2,2-Tetrachloroethane	0.230 U	5.00	0.230	1	12/05/12 22:17	12/5/12	
1,1,2-Trichloroethane	0.390 U	5.00	0.390	1	12/05/12 22:17	12/5/12	
1,1-Dichloroethane (1,1-DCA)	0.310 U	5.00	0.310	1	12/05/12 22:17	12/5/12	
1,1-Dichloroethene (1,1-DCE)	0.690 U	5.00	0.690	1	12/05/12 22:17	12/5/12	
1,2,3-Trichloropropane	0.760 U	5.00	0.760	1	12/05/12 22:17	12/5/12	
1,2-Dibromo-3-chloropropane (DBCP)	0.530 U	10.0	0.530	1	12/05/12 22:17	12/5/12	
1,2-Dibromoethane (EDB)	0.580 U	5.00	0.580	1	12/05/12 22:17	12/5/12	
1,2-Dichlorobenzene	0.320 U	5.00	0.320	1	12/05/12 22:17	12/5/12	
1,2-Dichloroethane	0.300 U	5.00	0.300	1	12/05/12 22:17	12/5/12	
1,2-Dichloropropane	0.410 U	5.00	0.410	1	12/05/12 22:17	12/5/12	
1,3-Dichlorobenzene	0.300 U	5.00	0.300	1	12/05/12 22:17	12/5/12	
1,4-Dichlorobenzene	0.100 U	5.00	0.100	1	12/05/12 22:17	12/5/12	
2-Butanone (MEK)	1.60 U	25.0	1.60	1	12/05/12 22:17	12/5/12	
2-Hexanone	2.20 U	10.0	2.20	1	12/05/12 22:17	12/5/12	
4-Methyl-2-pentanone (MIBK)	1.50 U	10.0	1.50	1	12/05/12 22:17	12/5/12	
Acetone	2.30 U	125	2.30	1	12/05/12 22:17	12/5/12	
Benzene	0.170 U	5.00	0.170	1	12/05/12 22:17	12/5/12	
Bromochloromethane	0.600 U	5.00	0.600	1	12/05/12 22:17	12/5/12	
Bromodichloromethane	0.370 U	5.00	0.370	1	12/05/12 22:17	12/5/12	
Bromoform	0.340 U	5.00	0.340	1	12/05/12 22:17	12/5/12	
Bromomethane	0.270 U	5.00	0.270	1	12/05/12 22:17	12/5/12	
Carbon Disulfide	0.800 U	10.0	0.800	1	12/05/12 22:17	12/5/12	
Carbon Tetrachloride	0.190 U	5.00	0.190	1	12/05/12 22:17	12/5/12	
Chlorobenzene	0.140 U	5.00	0.140	1	12/05/12 22:17	12/5/12	
Chloroethane	0.330 U	5.00	0.330	1	12/05/12 22:17	12/5/12	
Chloroform	0.180 U	5.00	0.180	1	12/05/12 22:17	12/5/12	
Chloromethane	0.210 U	5.00	0.210	1	12/05/12 22:17	12/5/12	
cis-1,2-Dichloroethene	0.330 U	5.00	0.330	1	12/05/12 22:17	12/5/12	
cis-1,3-Dichloropropene	0.140 U	5.00	0.140	1	12/05/12 22:17	12/5/12	
Dibromochloromethane	0.220 U	5.00	0.220	1	12/05/12 22:17	12/5/12	
Dibromomethane	0.390 U	5.00	0.390	1	12/05/12 22:17	12/5/12	
Dichlorodifluoromethane	0.180 U	20.0	0.180	1	12/05/12 22:17	12/5/12	
Ethylbenzene	0.120 U	5.00	0.120	1	12/05/12 22:17	12/5/12	
Iodomethane	1.10 U	10.0	1.10	1	12/05/12 22:17	12/5/12	
m,p-Xylenes	0.210 U	10.0	0.210	1	12/05/12 22:17	12/5/12	
Methyl tert-Butyl Ether	0.260 U	5.00	0.260	1	12/05/12 22:17	12/5/12	
Methylene Chloride	**2.80 I**	10.0	0.310	1	12/05/12 22:17	12/5/12	
o-Xylene	0.160 U	5.00	0.160	1	12/05/12 22:17	12/5/12	
Styrene	0.270 U	5.00	0.270	1	12/05/12 22:17	12/5/12	
Tetrachloroethene (PCE)	0.250 U	5.00	0.250	1	12/05/12 22:17	12/5/12	
Toluene	0.270 U	5.00	0.270	1	12/05/12 22:17	12/5/12	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	JQ1207825-03	**Basis:**	Dry

Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
trans-1,2-Dichloroethene	0.390 U	5.00	0.390	1	12/05/12 22:17	12/5/12	
trans-1,3-Dichloropropene	0.220 U	5.00	0.220	1	12/05/12 22:17	12/5/12	
trans-1,4-Dichloro-2-butene	0.540 U	20.0	0.540	1	12/05/12 22:17	12/5/12	
Trichloroethene (TCE)	0.250 U	5.00	0.250	1	12/05/12 22:17	12/5/12	
Trichlorofluoromethane	0.210 U	20.0	0.210	1	12/05/12 22:17	12/5/12	
Vinyl Acetate	1.20 U	10.0	1.20	1	12/05/12 22:17	12/5/12	
Vinyl Chloride	0.260 U	5.00	0.260	1	12/05/12 22:17	12/5/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
1,2-Dichloroethane-d4	99	80 - 120	12/05/12 22:17	
4-Bromofluorobenzene	97	64 - 135	12/05/12 22:17	
Dibromofluoromethane	98	74 - 125	12/05/12 22:17	
Toluene-d8	100	46 - 156	12/05/12 22:17	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1207672-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	0.600 U	5.00	0.600	1	12/01/12 05:01	11/29/12	
1,2-Dichlorobenzene	0.640 U	5.00	0.640	1	12/01/12 05:01	11/29/12	
1,3-Dichlorobenzene	0.920 U	5.00	0.920	1	12/01/12 05:01	11/29/12	
1,4-Dichlorobenzene	0.910 U	5.00	0.910	1	12/01/12 05:01	11/29/12	
1-Methylnaphthalene	0.730 U	5.00	0.730	1	12/01/12 05:01	11/29/12	
2,4,5-Trichlorophenol	1.30 U	5.00	1.30	1	12/01/12 05:01	11/29/12	
2,4,6-Trichlorophenol	0.890 U	5.00	0.890	1	12/01/12 05:01	11/29/12	
2,4-Dichlorophenol	1.20 U	5.00	1.20	1	12/01/12 05:01	11/29/12	
2,4-Dimethylphenol	1.50 U	5.00	1.50	1	12/01/12 05:01	11/29/12	
2,4-Dinitrophenol	0.760 U	20.0	0.760	1	12/01/12 05:01	11/29/12	
2,4-Dinitrotoluene	1.30 U	5.00	1.30	1	12/01/12 05:01	11/29/12	
2,6-Dinitrotoluene	1.10 U	5.00	1.10	1	12/01/12 05:01	11/29/12	
2-Chloronaphthalene	4.60 U	5.00	4.60	1	12/01/12 05:01	11/29/12	
2-Chlorophenol	1.20 U	5.00	1.20	1	12/01/12 05:01	11/29/12	
2-Methylnaphthalene	0.630 U	5.00	0.630	1	12/01/12 05:01	11/29/12	
2-Methylphenol	1.30 U	5.00	1.30	1	12/01/12 05:01	11/29/12	
2-Nitroaniline	1.50 U	5.00	1.50	1	12/01/12 05:01	11/29/12	
2-Nitrophenol	1.40 U	20.0	1.40	1	12/01/12 05:01	11/29/12	
3- and 4-Methylphenol Coelution	1.00 U	5.00	1.00	1	12/01/12 05:01	11/29/12	
3,3'-Dichlorobenzidine	1.40 U	20.0	1.40	1	12/01/12 05:01	11/29/12	
3-Nitroaniline	1.10 U	5.00	1.10	1	12/01/12 05:01	11/29/12	
4,6-Dinitro-2-methylphenol	1.00 U	20.0	1.00	1	12/01/12 05:01	11/29/12	
4-Bromophenyl Phenyl Ether	1.30 U	5.00	1.30	1	12/01/12 05:01	11/29/12	
4-Chloro-3-methylphenol	1.80 U	5.00	1.80	1	12/01/12 05:01	11/29/12	
4-Chloroaniline	1.40 U	5.00	1.40	1	12/01/12 05:01	11/29/12	
4-Chlorophenyl Phenyl Ether	0.960 U	5.00	0.960	1	12/01/12 05:01	11/29/12	
4-Nitroaniline	1.00 U	5.00	1.00	1	12/01/12 05:01	11/29/12	
4-Nitrophenol	1.80 U	20.0	1.80	1	12/01/12 05:01	11/29/12	
Acenaphthene	4.20 U	5.00	4.20	1	12/01/12 05:01	11/29/12	
Acenaphthylene	0.990 U	5.00	0.990	1	12/01/12 05:01	11/29/12	
Acetophenone	1.60 U	10.0	1.60	1	12/01/12 05:01	11/29/12	
Anthracene	1.60 U	5.00	1.60	1	12/01/12 05:01	11/29/12	
Benz(a)anthracene	1.00 U	5.00	1.00	1	12/01/12 05:01	11/29/12	
Benzo(a)pyrene	1.20 U	5.00	1.20	1	12/01/12 05:01	11/29/12	
Benzo(b)fluoranthene	1.00 U	5.00	1.00	1	12/01/12 05:01	11/29/12	
Benzo(g,h,i)perylene	1.40 U	5.00	1.40	1	12/01/12 05:01	11/29/12	
Benzo(k)fluoranthene	1.80 U	5.00	1.80	1	12/01/12 05:01	11/29/12	
Benzyl Alcohol	1.40 U	5.00	1.40	1	12/01/12 05:01	11/29/12	
Bis(2-chloroethoxy)methane	1.20 U	5.00	1.20	1	12/01/12 05:01	11/29/12	
Bis(2-chloroethyl) Ether	1.90 U	5.00	1.90	1	12/01/12 05:01	11/29/12	
Bis(2-chloroisopropyl) Ether	1.50 U	5.00	1.50	1	12/01/12 05:01	11/29/12	
Bis(2-ethylhexyl) Phthalate	1.50 U	5.00	1.50	1	12/01/12 05:01	11/29/12	
Butyl Benzyl Phthalate	0.860 U	10.0	0.860	1	12/01/12 05:01	11/29/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1207672-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.80 U	5.00	1.80	1	12/01/12 05:01	11/29/12	
Chrysene	1.20 U	5.00	1.20	1	12/01/12 05:01	11/29/12	
Dibenz(a,h)anthracene	1.50 U	5.00	1.50	1	12/01/12 05:01	11/29/12	
Dibenzofuran	1.30 U	5.00	1.30	1	12/01/12 05:01	11/29/12	
Diethyl Phthalate	1.70 U	5.00	1.70	1	12/01/12 05:01	11/29/12	
Dimethyl Phthalate	1.30 U	5.00	1.30	1	12/01/12 05:01	11/29/12	
Di-n-butyl Phthalate	2.20 U	5.00	2.20	1	12/01/12 05:01	11/29/12	
Di-n-octyl Phthalate	2.80 U	5.00	2.80	1	12/01/12 05:01	11/29/12	
Diphenylamine + n-Nitrosodiphenylamine	1.10 U	5.00	1.10	1	12/01/12 05:01	11/29/12	
Fluoranthene	1.40 U	5.00	1.40	1	12/01/12 05:01	11/29/12	
Fluorene	0.840 U	5.00	0.840	1	12/01/12 05:01	11/29/12	
Hexachlorobenzene	1.70 U	5.00	1.70	1	12/01/12 05:01	11/29/12	
Hexachlorobutadiene	1.20 U	5.00	1.20	1	12/01/12 05:01	11/29/12	
Hexachlorocyclopentadiene	0.500 U	5.00	0.500	1	12/01/12 05:01	11/29/12	
Hexachloroethane	0.810 U	5.00	0.810	1	12/01/12 05:01	11/29/12	
Indeno(1,2,3-cd)pyrene	1.70 U	5.00	1.70	1	12/01/12 05:01	11/29/12	
Isophorone	1.80 U	5.00	1.80	1	12/01/12 05:01	11/29/12	
Naphthalene	0.530 U	5.00	0.530	1	12/01/12 05:01	11/29/12	
Nitrobenzene	2.10 U	5.00	2.10	1	12/01/12 05:01	11/29/12	
N-Nitrosodi-n-propylamine	2.20 U	5.00	2.20	1	12/01/12 05:01	11/29/12	
Pentachlorophenol (PCP)	1.10 U	20.0	1.10	1	12/01/12 05:01	11/29/12	
Phenanthrene	1.40 U	5.00	1.40	1	12/01/12 05:01	11/29/12	
Phenol	0.590 U	5.00	0.590	1	12/01/12 05:01	11/29/12	
Pyrene	0.740 U	5.00	0.740	1	12/01/12 05:01	11/29/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	94	13 - 133	12/01/12 05:01	
2-Fluorobiphenyl	77	22 - 105	12/01/12 05:01	
2-Fluorophenol	70	10 - 69	12/01/12 05:01	*
Nitrobenzene-d5	72	10 - 123	12/01/12 05:01	
Phenol-d6	48	10 - 59	12/01/12 05:01	
p-Terphenyl-d14	89	20 - 128	12/01/12 05:01	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	JQ1207744-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	63.0 U	170	63.0	1	12/05/12 17:58	12/3/12	
1,2-Dichlorobenzene	32.0 U	170	32.0	1	12/05/12 17:58	12/3/12	
1,3-Dichlorobenzene	38.0 U	170	38.0	1	12/05/12 17:58	12/3/12	
1,4-Dichlorobenzene	41.0 U	170	41.0	1	12/05/12 17:58	12/3/12	
1-Methylnaphthalene	66.0 U	170	66.0	1	12/05/12 17:58	12/3/12	
2,4,5-Trichlorophenol	57.0 U	170	57.0	1	12/05/12 17:58	12/3/12	
2,4,6-Trichlorophenol	50.0 U	170	50.0	1	12/05/12 17:58	12/3/12	
2,4-Dichlorophenol	63.0 U	170	63.0	1	12/05/12 17:58	12/3/12	
2,4-Dimethylphenol	83.0 U	170	83.0	1	12/05/12 17:58	12/3/12	
2,4-Dinitrophenol	23.0 U	670	23.0	1	12/05/12 17:58	12/3/12	
2,4-Dinitrotoluene	41.0 U	170	41.0	1	12/05/12 17:58	12/3/12	
2,6-Dinitrotoluene	48.0 U	170	48.0	1	12/05/12 17:58	12/3/12	
2-Chloronaphthalene	43.0 U	170	43.0	1	12/05/12 17:58	12/3/12	
2-Chlorophenol	35.0 U	170	35.0	1	12/05/12 17:58	12/3/12	
2-Methylnaphthalene	59.0 U	170	59.0	1	12/05/12 17:58	12/3/12	
2-Methylphenol	48.0 U	170	48.0	1	12/05/12 17:58	12/3/12	
2-Nitroaniline	51.0 U	170	51.0	1	12/05/12 17:58	12/3/12	
2-Nitrophenol	52.0 U	670	52.0	1	12/05/12 17:58	12/3/12	
3- and 4-Methylphenol Coelution	43.0 U	170	43.0	1	12/05/12 17:58	12/3/12	
3,3'-Dichlorobenzidine	85.0 U	670	85.0	1	12/05/12 17:58	12/3/12	
3-Nitroaniline	51.0 U	170	51.0	1	12/05/12 17:58	12/3/12	
4,6-Dinitro-2-methylphenol	48.0 U	170	48.0	1	12/05/12 17:58	12/3/12	
4-Bromophenyl Phenyl Ether	52.0 U	170	52.0	1	12/05/12 17:58	12/3/12	
4-Chloro-3-methylphenol	53.0 U	170	53.0	1	12/05/12 17:58	12/3/12	
4-Chloroaniline	69.0 U	170	69.0	1	12/05/12 17:58	12/3/12	
4-Chlorophenyl Phenyl Ether	52.0 U	170	52.0	1	12/05/12 17:58	12/3/12	
4-Nitroaniline	55.0 U	170	55.0	1	12/05/12 17:58	12/3/12	
4-Nitrophenol	56.0 U	670	56.0	1	12/05/12 17:58	12/3/12	
Acenaphthene	53.0 U	170	53.0	1	12/05/12 17:58	12/3/12	
Acenaphthylene	47.0 U	170	47.0	1	12/05/12 17:58	12/3/12	
Acetophenone	46.0 U	340	46.0	1	12/05/12 17:58	12/3/12	
Anthracene	43.0 U	170	43.0	1	12/05/12 17:58	12/3/12	
Benz(a)anthracene	47.0 U	170	47.0	1	12/05/12 17:58	12/3/12	
Benzo(a)pyrene	37.0 U	170	37.0	1	12/05/12 17:58	12/3/12	
Benzo(b)fluoranthene	26.0 U	170	26.0	1	12/05/12 17:58	12/3/12	
Benzo(g,h,i)perylene	52.0 U	170	52.0	1	12/05/12 17:58	12/3/12	
Benzo(k)fluoranthene	59.0 U	170	59.0	1	12/05/12 17:58	12/3/12	
Benzyl Alcohol	38.0 U	340	38.0	1	12/05/12 17:58	12/3/12	
Bis(2-chloroethoxy)methane	53.0 U	170	53.0	1	12/05/12 17:58	12/3/12	
Bis(2-chloroethyl) Ether	42.0 U	170	42.0	1	12/05/12 17:58	12/3/12	
Bis(2-chloroisopropyl) Ether	35.0 U	170	35.0	1	12/05/12 17:58	12/3/12	
Bis(2-ethylhexyl) Phthalate	44.0 U	170	44.0	1	12/05/12 17:58	12/3/12	
Butyl Benzyl Phthalate	47.0 U	340	47.0	1	12/05/12 17:58	12/3/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	JQ1207744-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57.0 U	170	57.0	1	12/05/12 17:58	12/3/12	
Chrysene	45.0 U	170	45.0	1	12/05/12 17:58	12/3/12	
Dibenz(a,h)anthracene	46.0 U	170	46.0	1	12/05/12 17:58	12/3/12	
Dibenzofuran	46.0 U	170	46.0	1	12/05/12 17:58	12/3/12	
Diethyl Phthalate	51.0 U	170	51.0	1	12/05/12 17:58	12/3/12	
Dimethyl Phthalate	53.0 U	170	53.0	1	12/05/12 17:58	12/3/12	
Di-n-butyl Phthalate	34.0 U	170	34.0	1	12/05/12 17:58	12/3/12	
Di-n-octyl Phthalate	52.0 U	170	52.0	1	12/05/12 17:58	12/3/12	
Diphenylamine + n-Nitrosodiphenylamine	37.0 U	170	37.0	1	12/05/12 17:58	12/3/12	
Fluoranthene	48.0 U	170	48.0	1	12/05/12 17:58	12/3/12	
Fluorene	47.0 U	170	47.0	1	12/05/12 17:58	12/3/12	
Hexachlorobenzene	48.0 U	170	48.0	1	12/05/12 17:58	12/3/12	
Hexachlorobutadiene	55.0 U	170	55.0	1	12/05/12 17:58	12/3/12	
Hexachlorocyclopentadiene	34.0 U	170	34.0	1	12/05/12 17:58	12/3/12	
Hexachloroethane	31.0 U	170	31.0	1	12/05/12 17:58	12/3/12	
Indeno(1,2,3-cd)pyrene	41.0 U	170	41.0	1	12/05/12 17:58	12/3/12	
Isophorone	58.0 U	170	58.0	1	12/05/12 17:58	12/3/12	
Naphthalene	49.0 U	170	49.0	1	12/05/12 17:58	12/3/12	
Nitrobenzene	39.0 U	170	39.0	1	12/05/12 17:58	12/3/12	
N-Nitrosodi-n-propylamine	50.0 U	170	50.0	1	12/05/12 17:58	12/3/12	
Pentachlorophenol (PCP)	35.0 U	670	35.0	1	12/05/12 17:58	12/3/12	
Phenanthrene	42.0 U	170	42.0	1	12/05/12 17:58	12/3/12	
Phenol	46.0 U	170	46.0	1	12/05/12 17:58	12/3/12	
Pyrene	46.0 U	170	46.0	1	12/05/12 17:58	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	59	28 - 164	12/05/12 17:58	
2-Fluorobiphenyl	73	33 - 133	12/05/12 17:58	
2-Fluorophenol	59	10 - 126	12/05/12 17:58	
Nitrobenzene-d5	69	25 - 138	12/05/12 17:58	
Phenol-d6	64	10 - 170	12/05/12 17:58	
p-Terphenyl-d14	96	16 - 168	12/05/12 17:58	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	JQ1207730-01	**Basis:**	Dry

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3550B

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	9.06 U	33.0	9.06	1	12/04/12 03:18	12/1/12	
Aroclor 1221	6.68 U	33.0	6.68	1	12/04/12 03:18	12/1/12	
Aroclor 1232	21.6 U	33.0	21.6	1	12/04/12 03:18	12/1/12	
Aroclor 1242	8.89 U	33.0	8.89	1	12/04/12 03:18	12/1/12	
Aroclor 1248	16.1 U	33.0	16.1	1	12/04/12 03:18	12/1/12	
Aroclor 1254	12.2 U	33.0	12.2	1	12/04/12 03:18	12/1/12	
Aroclor 1260	9.30 U	33.0	9.30	1	12/04/12 03:18	12/1/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	101	10 - 258	12/04/12 03:18	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1207738-01	**Basis:**	NA

Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Aroclor 1016	0.130 U	0.500	0.130	1	12/04/12 08:28	12/3/12	
Aroclor 1221	0.290 U	0.500	0.290	1	12/04/12 08:28	12/3/12	
Aroclor 1232	0.200 U	0.500	0.200	1	12/04/12 08:28	12/3/12	
Aroclor 1242	0.130 U	0.500	0.130	1	12/04/12 08:28	12/3/12	
Aroclor 1248	0.260 U	0.500	0.260	1	12/04/12 08:28	12/3/12	
Aroclor 1254	0.330 U	0.500	0.330	1	12/04/12 08:28	12/3/12	
Aroclor 1260	0.267 U	0.500	0.267	1	12/04/12 08:28	12/3/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
Decachlorobiphenyl	120	10 - 151	12/04/12 08:28	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	mg/L
Lab Code:	JQ1207769-01	**Basis:**	NA

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	0.122 U	0.400	0.122	1	12/04/12 14:28	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	102	82 - 142	12/04/12 14:28	
n-Nonatriacontane	102	42 - 193	12/04/12 14:28	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	JQ1207770-01	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.00 U	20.0	2.00	1	12/04/12 20:13	12/4/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	99	62 - 109	12/04/12 20:13	
n-Nonatriacontane	96	60 - 118	12/04/12 20:13	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	Dry
Lab Code:	J1205834-MB1		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	0.12	U	mg/Kg	0.50	0.12	1	12/04/12 17:24	12/3/12	
Cadmium, Total Recoverable	6010B	0.007	U	mg/Kg	0.25	0.007	1	12/04/12 17:24	12/3/12	
Chromium, Total Recoverable	6010B	**0.05**	**I**	mg/Kg	0.50	0.02	1	12/04/12 17:24	12/3/12	
Lead, Total Recoverable	6010B	0.13	U	mg/Kg	0.50	0.13	1	12/04/12 17:24	12/3/12	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Basis:**	NA
Lab Code:	J1205834-MB2		

Inorganic Parameters

Analyte Name	Analysis Method	Result		Units	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Arsenic, Total Recoverable	6010B	4	U	ug/L	10	4	1	12/01/12 14:26	11/30/12	
Cadmium, Total Recoverable	6010B	0.2	U	ug/L	5.0	0.2	1	12/01/12 14:26	11/30/12	
Chromium, Total Recoverable	6010B	0.5	U	ug/L	10	0.5	1	12/01/12 14:26	11/30/12	
Lead, Total Recoverable	6010B	4	U	ug/L	10	4	1	12/01/12 14:26	11/30/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12
Sample Matrix:	Soil	**Date Received:**	11/29/12
Analysis Method:	160.3 Modified	**Units:**	Percent
		Basis:	As Received

Solids, Total

Sample Name	Lab Code	Result	MRL	MDL	Dil.	Date Analyzed	Q
MPT-1241-SS03-0102-112812	J1205834-001	**95**	0.10	0.10	1	12/04/12 08:25	
MPT-1241-SB03-0405-112812	J1205834-002	**81**	0.10	0.10	1	12/04/12 08:25	
MPT-1241-SS02-0102-112812	J1205834-003	**96**	0.10	0.10	1	12/04/12 08:25	
MPT-1596-SB01-0203-112812	J1205834-005	**82**	0.10	0.10	1	12/04/12 08:25	
MPT-1596-SB01-0405-112812	J1205834-006	**81**	0.10	0.10	1	12/04/12 08:25	
MPT-1596-SB03-0203-112812	J1205834-007	**86**	0.10	0.10	1	12/04/12 08:25	

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC **Service Request:** J1205834
Project: NS Mayport/112CO4630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Extraction Method: EPA 5035

Sample Name	Lab Code	1,2-Dichloroethane-d4 80 - 120	4-Bromofluorobenzene 64 - 135	Dibromofluoromethane 74 - 125
MPT-1241-SS03-0102-112812	J1205834-001	103	99	101
MPT-1241-SB03-0405-112812	J1205834-002	102	100	100
MPT-1241-SS02-0102-112812	J1205834-003	103	97	98
MPT-1241-GW03-112812	J1205834-004	101	107	100
MPT-1596-SB01-0203-112812	J1205834-005	102	99	97
MPT-1596-SB01-0405-112812	J1205834-006	101	116	100
MPT-1596-SB03-0203-112812	J1205834-007	103	101	100
MPT-1596-GW01-112812	J1205834-008	102	107	101
Trip Blank	J1205834-009	102	112	101
Lab Control Sample	JQ1207746-01	100	102	98
Duplicate Lab Control Sample	JQ1207746-02	100	102	98
Method Blank	JQ1207746-03	102	110	100
Lab Control Sample	JQ1207825-01	98	101	98
Duplicate Lab Control Sample	JQ1207825-02	99	96	99
Method Blank	JQ1207825-03	99	97	98

Client: TriEco, LLC **Service Request:** J1205834
Project: NS Mayport/112CO4630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Extraction Method: EPA 5035

Sample Name	Lab Code	Toluene-d8 46 - 156
MPT-1241-SS03-0102-112812	J1205834-001	99
MPT-1241-SB03-0405-112812	J1205834-002	100
MPT-1241-SS02-0102-112812	J1205834-003	104
MPT-1241-GW03-112812	J1205834-004	107
MPT-1596-SB01-0203-112812	J1205834-005	101
MPT-1596-SB01-0405-112812	J1205834-006	105
MPT-1596-SB03-0203-112812	J1205834-007	102
MPT-1596-GW01-112812	J1205834-008	109
Trip Blank	J1205834-009	108
Lab Control Sample	JQ1207746-01	103
Duplicate Lab Control Sample	JQ1207746-02	105
Method Blank	JQ1207746-03	108
Lab Control Sample	JQ1207825-01	100
Duplicate Lab Control Sample	JQ1207825-02	100
Method Blank	JQ1207825-03	100

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Water

Service Request:J1205834
Date Analyzed:11/30/12

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units:ug/L
Basis:NA
Analysis Lot:320702

	Lab Control Sample JQ1207746-01			Duplicate Lab Control Sample JQ1207746-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	17.9	20.0	89	18.1	20.0	90	77-118	1	30
1,1,1-Trichloroethane (TCA)	18.7	20.0	93	17.9	20.0	90	70-122	4	30
1,1,2,2-Tetrachloroethane	17.4	20.0	87	17.7	20.0	88	66-135	2	30
1,1,2-Trichloroethane	18.2	20.0	91	18.0	20.0	90	75-122	<1	30
1,1-Dichloroethane (1,1-DCA)	18.9	20.0	95	17.6	20.0	88	79-117	7	30
1,1-Dichloroethene (1,1-DCE)	20.3	20.0	101	19.3	20.0	96	72-128	5	30
1,2,3-Trichloropropane	18.1	20.0	91	17.5	20.0	88	70-123	3	30
1,2-Dibromo-3-chloropropane (DBCP)	18.9	20.0	94	19.2	20.0	96	60-122	2	30
1,2-Dibromoethane (EDB)	18.2	20.0	91	18.4	20.0	92	76-118	1	30
1,2-Dichlorobenzene	17.9	20.0	90	17.7	20.0	88	81-115	1	30
1,2-Dichloroethane	18.9	20.0	94	18.7	20.0	94	70-117	<1	30
1,2-Dichloropropane	18.4	20.0	92	17.9	20.0	90	79-117	2	30
1,3-Dichlorobenzene	18.2	20.0	91	18.1	20.0	90	82-116	<1	30
1,4-Dichlorobenzene	18.1	20.0	91	17.9	20.0	89	82-115	1	30
2-Butanone (MEK)	92.2	100	92	91.2	100	91	62-138	1	30
2-Hexanone	96.3	100	96	95.7	100	96	74-127	<1	30
4-Methyl-2-pentanone (MIBK)	97.3	100	97	96.5	100	96	77-120	<1	30
Acetone	93.0	100	93	91.1	100	91	42-161	2	30
Benzene	17.9	20.0	90	17.4	20.0	87	80-117	3	30
Bromochloromethane	18.9	20.0	94	18.4	20.0	92	78-118	2	30

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Water

Service Request:J1205834
Date Analyzed:11/30/12

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units:ug/L
Basis:NA
Analysis Lot:320702

	Lab Control Sample JQ1207746-01			Duplicate Lab Control Sample JQ1207746-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Bromodichloromethane	18.2	20.0	91	18.3	20.0	91	75-118	<1	30
Bromoform	17.1	20.0	86	17.9	20.0	89	63-121	4	30
Bromomethane	28.9	20.0	144	27.1	20.0	136	31-153	6	30
Carbon Disulfide	91.5	100	91	86.5	100	86	72-128	6	30
Carbon Tetrachloride	18.6	20.0	93	17.8	20.0	89	67-124	4	30
Chlorobenzene	18.0	20.0	90	17.7	20.0	88	83-118	2	30
Chloroethane	21.4	20.0	107	20.3	20.0	102	68-132	5	30
Chloroform	18.5	20.0	92	18.1	20.0	90	77-116	2	30
Chloromethane	25.3	20.0	126	23.3	20.0	116	60-128	8	30
cis-1,2-Dichloroethene	18.7	20.0	93	18.1	20.0	90	78-117	3	30
cis-1,3-Dichloropropene	18.1	20.0	90	18.2	20.0	91	80-119	<1	30
Dibromochloromethane	18.4	20.0	92	18.5	20.0	93	74-121	<1	30
Dibromomethane	18.3	20.0	91	18.2	20.0	91	76-117	<1	30
Dichlorodifluoromethane	19.6	20.0	98	18.1	20.0	91	49-132	8	30
Ethylbenzene	18.1	20.0	91	17.6	20.0	88	82-119	3	30
Iodomethane	64.2	100	64	77.8	100	78	51-137	19	30
m,p-Xylenes	37.5	40.0	94	36.2	40.0	91	79-122	3	30
Methyl tert-Butyl Ether	16.9	20.0	85	16.7	20.0	83	73-118	1	30
Methylene Chloride	18.4	20.0	92	18.3	20.0	92	75-123	<1	30
o-Xylene	18.3	20.0	91	17.8	20.0	89	80-119	3	30

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Water

Service Request:J1205834
Date Analyzed:11/30/12

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B

Units:ug/L
Basis:NA
Analysis Lot:320702

	Lab Control Sample JQ1207746-01			Duplicate Lab Control Sample JQ1207746-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Styrene	17.9	20.0	89	17.5	20.0	87	80-121	2	30
Tetrachloroethene (PCE)	18.2	20.0	91	17.5	20.0	88	75-126	4	30
Toluene	18.4	20.0	92	18.0	20.0	90	52-152	2	30
trans-1,2-Dichloroethene	18.6	20.0	93	18.4	20.0	92	75-121	1	30
trans-1,3-Dichloropropene	18.2	20.0	91	18.4	20.0	92	76-118	1	30
trans-1,4-Dichloro-2-butene	17.1	20.0	86	16.7	20.0	83	10-198	3	30
Trichloroethene (TCE)	18.8	20.0	94	18.0	20.0	90	78-122	4	30
Trichlorofluoromethane	21.0	20.0	105	19.7	20.0	98	58-134	6	30
Vinyl Acetate	91.5	100	92	91.5	100	91	36-169	<1	30
Vinyl Chloride	21.4	20.0	107	19.8	20.0	99	69-138	8	30

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request:J1205834
Date Analyzed:12/05/12
Date Extracted:12/05/12

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Units:ug/Kg
Basis: Dry
Analysis Lot:321474

	Lab Control Sample JQ1207825-01			Duplicate Lab Control Sample JQ1207825-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,1,1,2-Tetrachloroethane	21.3	20.0	106	20.7	20.0	104	71-124	3	30
1,1,1-Trichloroethane (TCA)	22.7	20.0	114	23.2	20.0	116	72-131	2	30
1,1,2,2-Tetrachloroethane	18.9	20.0	95	19.2	20.0	96	51-136	1	30
1,1,2-Trichloroethane	19.4	20.0	97	19.7	20.0	98	74-113	1	30
1,1-Dichloroethane (1,1-DCA)	21.3	20.0	107	21.4	20.0	107	74-124	<1	30
1,1-Dichloroethene (1,1-DCE)	23.0	20.0	115	23.3	20.0	116	67-128	1	30
1,2,3-Trichloropropane	19.0	20.0	95	19.7	20.0	99	67-115	4	30
1,2-Dibromo-3-chloropropane (DBCP)	18.2	20.0	91	18.0	20.0	90	54-129	1	30
1,2-Dibromoethane (EDB)	19.7	20.0	99	19.8	20.0	99	74-114	<1	30
1,2-Dichlorobenzene	21.0	20.0	105	20.4	20.0	102	74-111	3	30
1,2-Dichloroethane	20.1	20.0	101	20.7	20.0	103	74-120	3	30
1,2-Dichloropropane	21.1	20.0	105	21.1	20.0	106	77-119	<1	30
1,3-Dichlorobenzene	21.3	20.0	107	20.9	20.0	104	74-114	2	30
1,4-Dichlorobenzene	21.0	20.0	105	20.4	20.0	102	72-112	3	30
2-Butanone (MEK)	93.1	100	93	91.3	100	91	55-136	2	30
2-Hexanone	92.1	100	92	93.7	100	94	60-127	2	30
4-Methyl-2-pentanone (MIBK)	93.0	100	93	93.8	100	94	64-122	<1	30
Acetone	99.9	100	100	115	100	115	30-164	14	30
Benzene	21.9	20.0	110	21.8	20.0	109	76-123	<1	30
Bromochloromethane	20.7	20.0	103	20.3	20.0	102	75-124	2	30

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request:J1205834
Date Analyzed:12/05/12
Date Extracted:12/05/12

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Units:ug/Kg
Basis: Dry
Analysis Lot:321474

	Lab Control Sample JQ1207825-01			Duplicate Lab Control Sample JQ1207825-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Bromodichloromethane	20.7	20.0	103	20.8	20.0	104	74-124	<1	30
Bromoform	17.8	20.0	89	18.7	20.0	94	58-126	5	30
Bromomethane	22.5	20.0	113	21.8	20.0	109	25-175	3	30
Carbon Disulfide	115	100	115	116	100	116	62-134	<1	30
Carbon Tetrachloride	22.7	20.0	113	22.8	20.0	114	68-134	<1	30
Chlorobenzene	20.9	20.0	104	21.1	20.0	106	74-116	1	30
Chloroethane	23.6	20.0	118	23.0	20.0	115	64-131	2	30
Chloroform	21.4	20.0	107	21.2	20.0	106	75-120	<1	30
Chloromethane	22.6	20.0	113	23.0	20.0	115	59-138	2	30
cis-1,2-Dichloroethene	21.4	20.0	107	21.3	20.0	106	74-122	<1	30
cis-1,3-Dichloropropene	20.4	20.0	102	20.5	20.0	102	75-115	<1	30
Dibromochloromethane	19.9	20.0	99	19.6	20.0	98	67-123	1	30
Dibromomethane	21.2	20.0	106	20.5	20.0	103	75-120	3	30
Dichlorodifluoromethane	24.2	20.0	121	24.0	20.0	120	51-150	<1	30
Ethylbenzene	22.1	20.0	110	22.0	20.0	110	71-122	<1	30
Iodomethane	117	100	117	116	100	116	39-165	<1	30
m,p-Xylenes	44.1	40.0	110	44.3	40.0	111	71-122	<1	30
Methyl tert-Butyl Ether	19.6	20.0	98	20.1	20.0	100	72-121	2	30
Methylene Chloride	24.5	20.0	122	26.1	20.0	130	60-140	6	30
o-Xylene	21.7	20.0	109	21.7	20.0	109	71-120	<1	30

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request:J1205834
Date Analyzed:12/05/12
Date Extracted:12/05/12

Duplicate Lab Control Sample Summary
Volatile Organic Compounds by GC/MS

Analysis Method: 8260B
Prep Method: EPA 5035

Units:ug/Kg
Basis: Dry
Analysis Lot:321474

	Lab Control Sample JQ1207825-01			Duplicate Lab Control Sample JQ1207825-02					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Styrene	21.3	20.0	107	21.7	20.0	108	70-122	2	30
Tetrachloroethene (PCE)	22.2	20.0	111	22.8	20.0	114	69-124	3	30
Toluene	21.5	20.0	107	21.8	20.0	109	72-118	1	30
trans-1,2-Dichloroethene	22.8	20.0	114	22.6	20.0	113	71-127	<1	30
trans-1,3-Dichloropropene	20.2	20.0	101	19.8	20.0	99	73-115	2	30
trans-1,4-Dichloro-2-butene	17.4	20.0	87	17.7	20.0	89	52-136	2	30
Trichloroethene (TCE)	22.7	20.0	113	22.5	20.0	112	70-129	<1	30
Trichlorofluoromethane	23.1	20.0	116	23.5	20.0	117	67-129	1	30
Vinyl Acetate	93.9	100	94	92.4	100	92	18-184	2	30
Vinyl Chloride	26.0	20.0	130	26.0	20.0	130	62-137	<1	30

Client: TriEco, LLC **Service Request:** J1205834
Project: NS Mayport/112CO4630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3550C

Sample Name	Lab Code	2,4,6-Tribromophenol 28 - 164	2-Fluorobiphenyl 33 - 133	2-Fluorophenol 10 - 126
MPT-1241-SS03-0102-112812	J1205834-001	82	61	77
MPT-1241-SB03-0405-112812	J1205834-002	65	60	61
MPT-1241-SS02-0102-112812	J1205834-003	190 *	117	82
MPT-1241-GW03-112812	J1205834-004	85	73	60 *
MPT-1596-SB01-0203-112812	J1205834-005	81	55	64
MPT-1596-SB01-0405-112812	J1205834-006	109	69	83
MPT-1596-SB03-0203-112812	J1205834-007	95	64	78
MPT-1596-GW01-112812	J1205834-008	106	66	73 *
Method Blank	JQ1207672-01	94	77	70 *
Lab Control Sample	JQ1207672-02	105	79	65
Method Blank	JQ1207744-01	59	73	59
Lab Control Sample	JQ1207744-02	106	75	75
MPT-1241-SS03-0102-112812	JQ1207744-03	103	70	69
MPT-1241-SS03-0102-112812	JQ1207744-04	106	76	77

Client: TriEco, LLC **Service Request:** J1205834
Project: NS Mayport/112CO4630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3550C

Sample Name	Lab Code	Nitrobenzene-d5 25 - 138	Phenol-d6 10 - 170	p-Terphenyl-d14 16 - 168
MPT-1241-SS03-0102-112812	J1205834-001	56	63	78
MPT-1241-SB03-0405-112812	J1205834-002	48	50	63
MPT-1241-SS02-0102-112812	J1205834-003	68	67	152
MPT-1241-GW03-112812	J1205834-004	66	42	80
MPT-1596-SB01-0203-112812	J1205834-005	49	53	59
MPT-1596-SB01-0405-112812	J1205834-006	63	67	70
MPT-1596-SB03-0203-112812	J1205834-007	59	62	74
MPT-1596-GW01-112812	J1205834-008	66	40	71
Method Blank	JQ1207672-01	72	48	89
Lab Control Sample	JQ1207672-02	71	45	87
Method Blank	JQ1207744-01	69	64	96
Lab Control Sample	JQ1207744-02	73	74	83
MPT-1241-SS03-0102-112812	JQ1207744-03	68	70	82
MPT-1241-SS03-0102-112812	JQ1207744-04	74	75	90

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC **Service Request:** J1205834
Project: NS Mayport/112CO4630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3550C

Sample Name	Lab Code
MPT-1241-SS03-0102-112812	J1205834-001
MPT-1241-SB03-0405-112812	J1205834-002
MPT-1241-SS02-0102-112812	J1205834-003
MPT-1241-GW03-112812	J1205834-004
MPT-1596-SB01-0203-112812	J1205834-005
MPT-1596-SB01-0405-112812	J1205834-006
MPT-1596-SB03-0203-112812	J1205834-007
MPT-1596-GW01-112812	J1205834-008
Method Blank	JQ1207672-01
Lab Control Sample	JQ1207672-02
Method Blank	JQ1207744-01
Lab Control Sample	JQ1207744-02
MPT-1241-SS03-0102-112812	JQ1207744-03
MPT-1241-SS03-0102-112812	JQ1207744-04

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request: J1205834
Date Collected: 11/28/12
Date Received: 11/29/12
Date Analyzed: 12/5/12
Date Extracted: 12/3/12

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: MPT-1241-SS03-0102-112812
Lab Code: J1205834-001
Analysis Method: 8270C
Prep Method: EPA 3550C

Units: ug/Kg
Basis: Dry

		Matrix Spike JQ1207744-03			Duplicate Matrix Spike JQ1207744-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	ND	1280	1920	67	1410	1960	72	30-142	10	30
1,2-Dichlorobenzene	ND	1200	1920	62	1350	1960	69	26-135	11	30
1,3-Dichlorobenzene	ND	1160	1920	60	1310	1960	67	26-132	12	30
1,4-Dichlorobenzene	ND	1190	1920	62	1330	1960	68	29-130	11	30
1-Methylnaphthalene	ND	1390	1920	72	1510	1960	77	32-156	8	30
2,4,5-Trichlorophenol	ND	1730	1920	90	1840	1960	94	41-164	6	30
2,4,6-Trichlorophenol	ND	1690	1920	88	1800	1960	91	38-162	6	30
2,4-Dichlorophenol	ND	1510	1920	78	1650	1960	84	33-156	9	30
2,4-Dimethylphenol	ND	1450	1920	76	1570	1960	80	18-162	8	30
2,4-Dinitrophenol	ND	1670	1920	87	1550	1960	79	10-195	8	30
2,4-Dinitrotoluene	ND	1720	1920	90	1780	1960	91	43-181	3	30
2,6-Dinitrotoluene	ND	1600	1920	83	1690	1960	86	39-172	5	30
2-Chloronaphthalene	ND	1290	1920	67	1430	1960	73	38-153	10	30
2-Chlorophenol	ND	1250	1920	65	1360	1960	69	21-144	8	30
2-Methylnaphthalene	ND	1400	1920	73	1520	1960	77	32-151	8	30
2-Methylphenol	ND	1400	1920	73	1510	1960	77	32-145	7	30
2-Nitroaniline	ND	1710	1920	89	1760	1960	90	34-192	3	30
2-Nitrophenol	ND	1500	1920	78	1630	1960	83	28-154	8	30
3- and 4-Methylphenol Coelution	ND	1440	1920	75	1560	1960	80	15-178	8	30
3,3'-Dichlorobenzidine	ND	1630	1920	85	1680	1960	85	37-185	3	30
3-Nitroaniline	ND	1790	1920	93	1840	1960	94	39-168	2	30
4,6-Dinitro-2-methylphenol	ND	1710	1920	89	1620	1960	82	22-186	6	30
4-Bromophenyl Phenyl Ether	ND	1540	1920	80	1640	1960	84	38-168	7	30
4-Chloro-3-methylphenol	ND	1550	1920	81	1660	1960	85	39-170	7	30
4-Chloroaniline	ND	1480	1920	77	1610	1960	82	29-150	8	30
4-Chlorophenyl Phenyl Ether	ND	1530	1920	80	1630	1960	83	38-164	6	30
4-Nitroaniline	ND	1800	1920	94	1780	1960	90	39-172	1	30
4-Nitrophenol	ND	2070	1920	108	1960	1960	100	10-222	5	30
Acenaphthene	ND	1470	1920	77	1580	1960	80	35-163	7	30
Acenaphthylene	ND	1490	1920	78	1600	1960	81	33-167	7	30
Acetophenone	ND	1430	1920	74	1540	1960	78	56-139	7	30
Anthracene	ND	1610	1920	84	1690	1960	86	38-178	5	30
Benz(a)anthracene	ND	1670	1920	87	1730	1960	88	66-178	3	30
Benzo(a)pyrene	ND	1700	1920	88	1770	1960	90	39-180	4	30
Benzo(b)fluoranthene	ND	1670	1920	87	1680	1960	85	42-174	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request: J1205834
Date Collected: 11/28/12
Date Received: 11/29/12
Date Analyzed: 12/5/12
Date Extracted: 12/3/12

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: MPT-1241-SS03-0102-112812
Lab Code: J1205834-001
Analysis Method: 8270C
Prep Method: EPA 3550C

Units: ug/Kg
Basis: Dry

		Matrix Spike JQ1207744-03			Duplicate Matrix Spike JQ1207744-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(g,h,i)perylene	ND	1420	1920	74	1580	1960	80	42-186	10	30
Benzo(k)fluoranthene	ND	1860	1920	97	2040	1960	104	42-172	9	30
Benzyl Alcohol	ND	1500	1920	78	1610	1960	82	10-263	7	30
Bis(2-chloroethoxy)methane	ND	1370	1920	71	1500	1960	76	33-160	9	30
Bis(2-chloroethyl) Ether	ND	1330	1920	69	1410	1960	72	13-168	7	30
Bis(2-chloroisopropyl) Ether	ND	1290	1920	67	1420	1960	72	10-199	9	30
Bis(2-ethylhexyl) Phthalate	ND	1750	1920	91	1870	1960	95	10-220	7	30
Butyl Benzyl Phthalate	ND	1730	1920	90	1890	1960	96	38-196	9	30
Carbazole	ND	1740	1920	91	1780	1960	90	38-179	2	30
Chrysene	ND	1620	1920	84	1700	1960	87	39-179	5	30
Dibenz(a,h)anthracene	ND	1510	1920	79	1640	1960	84	41-194	8	30
Dibenzofuran	ND	1530	1920	80	1630	1960	83	36-164	7	30
Diethyl Phthalate	ND	1630	1920	85	1690	1960	86	42-176	4	30
Dimethyl Phthalate	ND	1580	1920	82	1670	1960	85	39-173	5	30
Di-n-butyl Phthalate	ND	1660	1920	87	1730	1960	88	15-203	4	30
Di-n-octyl Phthalate	ND	2010	1920	105	2180	1960	111	34-207	8	30
Diphenylamine + n-Nitrosodiphenylamine	ND	1630	1920	85	1700	1960	87	62-111	4	30
Fluoranthene	ND	1650	1920	86	1700	1960	87	44-180	3	30
Fluorene	ND	1530	1920	80	1620	1960	83	38-171	6	30
Hexachlorobenzene	ND	1540	1920	80	1640	1960	84	42-176	6	30
Hexachlorobutadiene	ND	1250	1920	65	1390	1960	71	32-136	11	30
Hexachlorocyclopentadiene	ND	1510	1920	78	1600	1960	82	27-142	6	30
Hexachloroethane	ND	1180	1920	61	1320	1960	67	31-133	12	30
Indeno(1,2,3-cd)pyrene	ND	1510	1920	79	1630	1960	83	46-185	8	30
Isophorone	ND	1440	1920	75	1570	1960	80	34-165	8	30
Naphthalene	ND	1320	1920	69	1440	1960	73	12-160	9	30
Nitrobenzene	ND	1370	1920	71	1480	1960	76	31-153	8	30
N-Nitrosodi-n-propylamine	ND	1450	1920	75	1550	1960	79	19-180	7	30
Pentachlorophenol (PCP)	ND	1670	1920	87	1590	1960	81	25-195	5	30
Phenanthrene	ND	1570	1920	82	1660	1960	85	40-173	5	30
Phenol	ND	1390	1920	72	1480	1960	76	26-151	7	30
Pyrene	ND	1640	1920	86	1790	1960	91	39-177	8	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Water

Service Request: J1205834
Date Analyzed: 12/01/12
Date Extracted: 11/29/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Units: ug/L
Basis: NA
Analysis Lot: 320747

Lab Control Sample
JQ1207672-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2,4-Trichlorobenzene	37.5	50.0	75	38-105
1,2-Dichlorobenzene	36.1	50.0	72	32-103
1,3-Dichlorobenzene	35.7	50.0	71	29-103
1,4-Dichlorobenzene	36.6	50.0	73	34-99
1-Methylnaphthalene	37.5	50.0	75	47-118
2,4,5-Trichlorophenol	46.3	50.0	93	51-126
2,4,6-Trichlorophenol	47.2	50.0	94	51-120
2,4-Dichlorophenol	41.8	50.0	84	46-115
2,4-Dimethylphenol	39.4	50.0	79	17-128
2,4-Dinitrophenol	50.0	50.0	100	29-131
2,4-Dinitrotoluene	43.8	50.0	88	59-133
2,6-Dinitrotoluene	46.8	50.0	94	58-120
2-Chloronaphthalene	41.8	50.0	84	53-108
2-Chlorophenol	39.8	50.0	80	31-107
2-Methylnaphthalene	37.9	50.0	76	47-113
2-Methylphenol	37.0	50.0	74	26-108
2-Nitroaniline	38.3	50.0	77	62-126
2-Nitrophenol	46.8	50.0	94	45-110
3- and 4-Methylphenol Coelution	34.1	50.0	68	23-104
3,3'-Dichlorobenzidine	41.1	50.0	82	56-137
3-Nitroaniline	47.7	50.0	95	57-116
4,6-Dinitro-2-methylphenol	52.3	50.0	105	32-141
4-Bromophenyl Phenyl Ether	42.3	50.0	85	62-120
4-Chloro-3-methylphenol	42.6	50.0	85	49-124
4-Chloroaniline	39.1	50.0	78	10-142
4-Chlorophenyl Phenyl Ether	41.4	50.0	83	58-124
4-Nitroaniline	44.6	50.0	89	60-121
4-Nitrophenol	18.5	50.0	37	10-78
Acenaphthene	41.0	50.0	82	56-114
Acenaphthylene	41.6	50.0	83	53-119
Acetophenone	37.7	50.0	75	44-112
Anthracene	42.1	50.0	84	59-127
Benz(a)anthracene	41.9	50.0	84	61-140
Benzo(a)pyrene	43.3	50.0	87	51-151
Benzo(b)fluoranthene	41.5	50.0	83	55-144
Benzo(g,h,i)perylene	42.1	50.0	84	48-162
Benzo(k)fluoranthene	42.8	50.0	86	61-131
Benzyl Alcohol	34.6	50.0	69	26-101
Bis(2-chloroethoxy)methane	36.1	50.0	72	55-110
Bis(2-chloroethyl) Ether	38.0	50.0	76	42-103
Bis(2-chloroisopropyl) Ether	26.2	50.0	52	32-137

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Water

Service Request:J1205834
Date Analyzed:12/01/12
Date Extracted:11/29/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Units:ug/L
Basis:NA
Analysis Lot:320747

Lab Control Sample
JQ1207672-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Bis(2-ethylhexyl) Phthalate	45.2	50.0	90	61-143
Butyl Benzyl Phthalate	44.9	50.0	90	57-145
Carbazole	42.0	50.0	84	61-130
Chrysene	41.5	50.0	83	65-127
Dibenz(a,h)anthracene	45.3	50.0	91	49-166
Dibenzofuran	40.5	50.0	81	56-122
Diethyl Phthalate	40.8	50.0	82	63-122
Dimethyl Phthalate	41.6	50.0	83	60-120
Di-n-butyl Phthalate	42.1	50.0	84	62-133
Di-n-octyl Phthalate	48.2	50.0	96	57-151
Diphenylamine + n-Nitrosodiphenylamine	40.8	50.0	82	59-120
Fluoranthene	40.6	50.0	81	61-137
Fluorene	41.1	50.0	82	55-119
Hexachlorobenzene	43.6	50.0	87	49-140
Hexachlorobutadiene	35.8	50.0	72	18-131
Hexachlorocyclopentadiene	36.5	50.0	73	32-112
Hexachloroethane	37.1	50.0	74	26-112
Indeno(1,2,3-cd)pyrene	44.4	50.0	89	47-150
Isophorone	36.8	50.0	74	55-116
Naphthalene	38.3	50.0	77	44-106
Nitrobenzene	35.8	50.0	72	17-150
N-Nitrosodi-n-propylamine	36.1	50.0	72	47-119
Pentachlorophenol (PCP)	34.6	50.0	69	29-145
Phenanthrene	41.7	50.0	83	63-123
Phenol	23.4	50.0	47	10-84
Pyrene	44.5	50.0	89	61-126

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request: J1205834
Date Analyzed: 12/05/12
Date Extracted: 12/03/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Units: ug/Kg
Basis: Dry
Analysis Lot: 321254

Lab Control Sample
JQ1207744-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2,4-Trichlorobenzene	1190	1670	71	30-142
1,2-Dichlorobenzene	1150	1670	69	26-135
1,3-Dichlorobenzene	1130	1670	68	26-132
1,4-Dichlorobenzene	1140	1670	69	29-130
1-Methylnaphthalene	1270	1670	76	32-156
2,4,5-Trichlorophenol	1570	1670	94	41-164
2,4,6-Trichlorophenol	1520	1670	91	38-162
2,4-Dichlorophenol	1360	1670	82	33-156
2,4-Dimethylphenol	1320	1670	79	18-162
2,4-Dinitrophenol	1510	1670	90	10-195
2,4-Dinitrotoluene	1500	1670	90	43-181
2,6-Dinitrotoluene	1410	1670	85	39-172
2-Chloronaphthalene	1160	1670	70	38-153
2-Chlorophenol	1140	1670	69	21-144
2-Methylnaphthalene	1280	1670	77	32-151
2-Methylphenol	1280	1670	77	32-145
2-Nitroaniline	1540	1670	92	34-192
2-Nitrophenol	1370	1670	82	28-154
3- and 4-Methylphenol Coelution	1300	1670	78	15-178
3,3'-Dichlorobenzidine	1350	1670	81	37-185
3-Nitroaniline	1570	1670	94	39-168
4,6-Dinitro-2-methylphenol	1430	1670	86	22-186
4-Bromophenyl Phenyl Ether	1380	1670	83	38-168
4-Chloro-3-methylphenol	1380	1670	83	39-170
4-Chloroaniline	1350	1670	81	29-150
4-Chlorophenyl Phenyl Ether	1360	1670	82	38-164
4-Nitroaniline	1530	1670	92	39-172
4-Nitrophenol	1730	1670	104	10-222
Acenaphthene	1320	1670	79	35-163
Acenaphthylene	1340	1670	81	33-167
Acetophenone	1310	1670	79	56-139
Anthracene	1410	1670	85	38-178
Benz(a)anthracene	1410	1670	85	66-178
Benzo(a)pyrene	1450	1670	87	39-180
Benzo(b)fluoranthene	1440	1670	86	42-174
Benzo(g,h,i)perylene	1230	1670	74	42-186
Benzo(k)fluoranthene	1590	1670	96	42-172
Benzyl Alcohol	1370	1670	82	10-263
Bis(2-chloroethoxy)methane	1310	1670	78	33-160
Bis(2-chloroethyl) Ether	1230	1670	74	13-168
Bis(2-chloroisopropyl) Ether	1210	1670	73	10-199

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request:J1205834
Date Analyzed:12/05/12
Date Extracted:12/03/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Units:ug/Kg
Basis: Dry
Analysis Lot:321254

Lab Control Sample
JQ1207744-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Bis(2-ethylhexyl) Phthalate	1480	1670	89	10-220
Butyl Benzyl Phthalate	1490	1670	89	38-196
Carbazole	1480	1670	89	38-179
Chrysene	1380	1670	83	39-179
Dibenz(a,h)anthracene	1310	1670	79	41-194
Dibenzofuran	1370	1670	82	36-164
Diethyl Phthalate	1410	1670	85	42-176
Dimethyl Phthalate	1390	1670	83	39-173
Di-n-butyl Phthalate	1410	1670	85	15-203
Di-n-octyl Phthalate	1750	1670	105	34-207
Diphenylamine + n-Nitrosodiphenylamine	1430	1670	86	62-111
Fluoranthene	1400	1670	84	44-180
Fluorene	1370	1670	82	38-171
Hexachlorobenzene	1350	1670	81	42-176
Hexachlorobutadiene	1170	1670	70	32-136
Hexachlorocyclopentadiene	1400	1670	84	27-142
Hexachloroethane	1140	1670	68	31-133
Indeno(1,2,3-cd)pyrene	1290	1670	77	46-185
Isophorone	1320	1670	79	34-165
Naphthalene	1210	1670	73	12-160
Nitrobenzene	1260	1670	75	31-153
N-Nitrosodi-n-propylamine	1320	1670	79	19-180
Pentachlorophenol (PCP)	1520	1670	91	25-195
Phenanthrene	1380	1670	83	40-173
Phenol	1250	1670	75	26-151
Pyrene	1430	1670	86	39-177

Client: TriEco, LLC **Service Request:** J1205834
Project: NS Mayport/112CO4630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Extraction Method: EPA 3550B

Sample Name	Lab Code	Decachlorobiphenyl 10 - 258
MPT-1241-SS03-0102-112812	J1205834-001	92
MPT-1241-SB03-0405-112812	J1205834-002	50
MPT-1241-SS02-0102-112812	J1205834-003	43
MPT-1241-GW03-112812	J1205834-004	99
MPT-1596-SB01-0203-112812	J1205834-005	80
MPT-1596-SB01-0405-112812	J1205834-006	73
MPT-1596-SB03-0203-112812	J1205834-007	76
MPT-1596-GW01-112812	J1205834-008	101
Method Blank	JQ1207730-01	101
Lab Control Sample	JQ1207730-03	100
MPT-1241-SS03-0102-112812	JQ1207730-04	94
MPT-1241-SS03-0102-112812	JQ1207730-05	83
Method Blank	JQ1207738-01	120
Lab Control Sample	JQ1207738-02	78
Duplicate Lab Control Sample	JQ1207738-03	103

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC **Service Request:** J1205834
Project: NS Mayport/112CO4630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Extraction Method: Method

Sample Name	Lab Code	o-Terphenyl 62 - 109	n-Nonatriacontane 60 - 118
MPT-1241-SS03-0102-112812	J1205834-001	90	98
MPT-1241-SB03-0405-112812	J1205834-002	97	102
MPT-1241-SS02-0102-112812	J1205834-003	66	84
MPT-1241-GW03-112812	J1205834-004	100	109
MPT-1596-SB01-0203-112812	J1205834-005	96	107
MPT-1596-SB01-0405-112812	J1205834-006	93	102
MPT-1596-SB03-0203-112812	J1205834-007	93	103
MPT-1596-GW01-112812	J1205834-008	94	99
Method Blank	JQ1207769-01	102	102
Lab Control Sample	JQ1207769-02	97	95
MPT-1241-GW03-112812	JQ1207769-03	96	101
MPT-1241-GW03-112812	JQ1207769-04	102	106
Method Blank	JQ1207770-01	99	96
Lab Control Sample	JQ1207770-02	101	100
MPT-1241-SS03-0102-112812	JQ1207770-03	94	105
MPT-1241-SS03-0102-112812	JQ1207770-04	92	102

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12
Sample Matrix:	Soil	**Date Received:**	11/29/12
		Date Analyzed:	12/4/12
		Date Extracted:	12/1/12

Duplicate Matrix Spike Summary
Polychlorinated Biphenyls (PCBs) by GC

Sample Name:	MPT-1241-SS03-0102-112812	**Units:**	ug/Kg
Lab Code:	J1205834-001	**Basis:**	Dry
Analysis Method:	8082		
Prep Method:	EPA 3550B		

		Matrix Spike JQ1207730-04			Duplicate Matrix Spike JQ1207730-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	ND	231	255	91	228	281	81	28-149	2	30
Aroclor 1260	ND	260	255	102	251	281	90	10-176	4	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12
Sample Matrix:	Water	**Date Received:**	11/29/12
		Date Analyzed:	12/4/12
		Date Extracted:	12/4/12

Duplicate Matrix Spike Summary
Petroleum-Range Organics by GC-FID for State of Florida

Sample Name:	MPT-1241-GW03-112812	**Units:**	mg/L
Lab Code:	J1205834-004	**Basis:**	NA
Analysis Method:	FL-PRO		
Prep Method:	Method		

		Matrix Spike JQ1207769-03			Duplicate Matrix Spike JQ1207769-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
FL-PRO (C8 - C40)	ND	6.01	6.97	86	6.74	6.97	97	55-118	12	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Collected:**	11/28/12
Sample Matrix:	Soil	**Date Received:**	11/29/12
		Date Analyzed:	12/4/12
		Date Extracted:	12/4/12

Duplicate Matrix Spike Summary
Petroleum-Range Organics by GC-FID for State of Florida

Sample Name:	MPT-1241-SS03-0102-112812	**Units:**	mg/Kg
Lab Code:	J1205834-001	**Basis:**	Dry
Analysis Method:	FL-PRO		
Prep Method:	Method		

		Matrix Spike JQ1207770-03			Duplicate Matrix Spike JQ1207770-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
FL-PRO (C8 - C40)	ND	113	118	96	109	117	93	63-143	4	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Analyzed:**	12/04/12
Sample Matrix:	Water	**Date Extracted:**	12/04/12

Lab Control Sample Summary
Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method:	FL-PRO	**Units:**	mg/L
Prep Method:	Method	**Basis:**	NA
		Analysis Lot:	321075

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	JQ1207769-02	3.09	3.38	92	55-118

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project:	NS Mayport/112CO4630	**Date Analyzed:**	12/04/12
Sample Matrix:	Soil	**Date Extracted:**	12/04/12

Lab Control Sample Summary
Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method:	FL-PRO	**Units:**	mg/Kg
Prep Method:	Method	**Basis:**	Dry
		Analysis Lot:	321075

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	JQ1207770-02	103	113	91	63-143

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Water

Service Request:J1205834
Date Analyzed:12/04/12
Date Extracted:12/03/12

Duplicate Lab Control Sample Summary
Polychlorinated Biphenyls (PCBs) by GC

Analysis Method: 8082
Prep Method: EPA 3510C

Units:ug/L
Basis:NA
Analysis Lot:321217

	Lab Control Sample JQ1207738-02			Duplicate Lab Control Sample JQ1207738-03					
Analyte Name	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Aroclor 1016	4.19	4.00	105	4.06	4.00	101	27-120	3	30
Aroclor 1260	4.38	4.00	110	4.13	4.00	103	33-112	6	30

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request: J1205834
Date Collected: 11/28/12
Date Received: 11/29/12
Date Analyzed: 12/4/12

Duplicate Matrix Spike Summary
Inorganic Parameters

Sample Name: MPT-1241-SS02-0102-112812
Lab Code: J1205834-003

Units: mg/Kg
Basis: Dry

			Matrix Spike J1205834-003MS			Duplicate Matrix Spike J1205834-003DMS					
Analyte Name	**Method**	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Arsenic, Total Recoverable	6010B	0.81	20.0	19.1	100	19.8	19.3	98	75-125	1	20
Cadmium, Total Recoverable	6010B	0.007	9.69	9.57	101	9.65	9.65	100	75-125	<1	20
Chromium, Total Recoverable	6010B	3.82	22.7	19.1	98	22.8	19.3	98	75-125	<1	20
Lead, Total Recoverable	6010B	4.63	22.3	19.1	92	22.1	19.3	91	75-125	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Soil

Service Request:J1205834
Date Analyzed:12/4/12

Lab Control Sample Summary
Inorganic Parameters

Units:mg/Kg
Basis: Dry

Lab Control Sample
J1205834-LCS1

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Arsenic, Total Recoverable	6010B	24.1	25.0	96	80-120
Cadmium, Total Recoverable	6010B	12.6	12.5	100	80-120
Chromium, Total Recoverable	6010B	25.9	25.0	103	80-120
Lead, Total Recoverable	6010B	25.3	25.0	101	80-120

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client: TriEco, LLC
Project: NS Mayport/112CO4630
Sample Matrix: Water

Service Request:J1205834
Date Analyzed:12/1/12

Lab Control Sample Summary
Inorganic Parameters

Units:ug/L
Basis:NA

Lab Control Sample
J1205834-LCS2

Analyte Name	Analytical Method	Result	Spike Amount	% Rec	% Rec Limits
Arsenic, Total Recoverable	6010B	536	500	107	80-120
Cadmium, Total Recoverable	6010B	272	250	109	80-120
Chromium, Total Recoverable	6010B	529	500	106	80-120
Lead, Total Recoverable	6010B	544	500	109	80-120

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1205834
Project	NS Mayport/112CO4630	**Date Collected:**	11/28/12
Sample Matrix:	Soil	**Date Received:**	11/29/12
		Date Analyzed:	12/04/12

Replicate Sample Summary
General Chemistry Parameters

Sample Name:	MPT-1596-SB03-0203-112812	**Units:**	Percent
Lab Code:	J1205834-007	**Basis:**	As Received

Analyte Name	Analysis Method	MRL	MDL	Sample Result	Duplicate Sample J1205834-007DUP Result	Average	RPD	RPD Limit
Solids, Total	160.3 Modified	0.10	0.10	86	86	86.3	<1	20

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Environmental

Cooler Receipt Form

Client: TriEco

Service Request #: J1205834

Project: Naustamayport Site 1241 & 1596

Cooler received on 11.29.12 and opened on 11.29.12 GB

COURIER: ALS UPS FEDEX (Client) Other _____ Airbill # _____

1	Were custody seals on outside of cooler?	Yes	(No)		
	If yes, how many and where?	#:___ on lid		other	
2	Were seals intact and signature and date correct?	Yes	No	(N/A)	
3	Were custody papers properly filled out?	(Yes)	No	N/A	
4	Temperature of cooler(s) upon receipt (Should be > 0°C and < 6°C)	5.0	3.4		
5	Thermometer ID		T81		
6	Temperature Blank Present?	(Yes)	No		
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No	
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No	N/A	
9	Type of packing material present	(Netting)	(Vial Holder)	(Bubble Wrap)	
		Paper	Styrofoam	Other	N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A	
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A	
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A	
13	Were all of the preserved bottles received with the appropriate preservative?	(Yes)	No	N/A	
	(HNO3 pH<2) (H2SO4 pH<2) ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2				
	Preservative additions noted below				
14	Were all samples received within analysis holding times?	(Yes)	No	N/A	
15	Were all VOA vials free of air bubbles? If present, note below	(Yes)	No	N/A	
16	Where did the bottles originate?	(ALS)	Client		

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted: Date:

NAVSTA MAYPORT - SITES 1241 + 15916 J1205834

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER № 2640 |

J1205834 TriEco, LLC NS Mayport 5

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME
112C04630	NS MAYPORT	SITE DFEARS	904-803-6353	ALS/CAL JERRY ALLEN
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
JC. WLL		DFEARS	904-803-6353	9143 PHILIPS HIGHWAY SUITE 200
		CARRIER/WAYBILL NUMBER		CITY, STATE
		DROP OFF		JACKSONVILLE FL 32256

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

CONTAINER TYPE PLASTIC (P) or GLASS (G): G G G G G

PRESERVATIVE USED: - - - - HCL H2SO4 HNO3

DATE YEAR 2012	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	VOC 8260B	SVOC 8270	TRPH-FL PRO	METALS-6010	PCB 8270	VOC 8260	TRPH FL PRO	PCB 8270	METALS 6010	SVOC 8270	COMMENTS
11/28	0915	MPT-1241-SS03-0102-112812		1	2	SO	G	5	✓	✓	✓	✓	✓						COOL TO 4°C
11/28	0947	MPT-1241-SB03-0405-112812		4	5	SO	G	5	✓	✓	✓	✓	✓						
11/28	1045	MPT-1241-SS02-0102-112812		1	2	SO	G	5	✓	✓	✓	✓	✓						
11/28	1210	MPT-1241-GW03-112812				GW	G	7	NOS					✓	✓	✓	✓	✓	
11/28	1400	MPT-15916-SB01-0203-112812		2	3	SO	G	5	✓	✓	✓	✓	✓						
11/28	1410	MPT-15916-SB01-0405-112812		4	5	SO	G	5	✓	✓	✓	✓	✓						
11/28	1445	MPT-15916-SB03-0203-112812		2	3	SO	G	5	✓	✓	✓	✓	✓						
11/28	1555	MPT-15916-GW01-112812				GW	G	7						✓	✓	✓	✓	✓	
11/28	0000	TRIP BLANK				QC													TRIP BLANK

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
Diane Frank	11/29/2012	0900	[signature]	11.29.12	1000
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS ① - METALS - As, Cd, Cr, Pb only 5.0°C 3.4°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

December 17, 2012

Service Request No: J1206032

Diane Fears
TriEco, LLC
8640 Philips Highway
Suite 16
Jacksonville, FL 32256

Laboratory Results for: NS Mayport/112CO4630

Dear Diane:

Enclosed are the results of the sample(s) submitted to our laboratory on November 29, 2012. For your reference, these analyses have been assigned our service request number **J1206032**.

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at Craig.Myers@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Environmental

Craig Myers
Project Manager

Columbia Analytical Services™
ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256
PHONE 904-739-2277 | FAX 904-739-2011
Columbia Analytical Services, Inc.
Part of the ALS Group A Campbell Brothers Limited Company
Environmental www.caslab.com ▪ www.alsglobal.com
RIGHT SOLUTIONS RIGHT PARTNER

COLUMBIA ANALYTICAL SERVICES, INC.

Client:	TriEco, LLC	**Service Request No.:**	J1206032
Project:	NS Mayport	**Date Received:**	11/29/12
Sample Matrix:	Soil		

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

One soil sample was received for analysis at Columbia Analytical Services on 11/29/12. The sample was received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at $\leq$6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Subcontracted Analytical Parameters:

The sample was delivered to SunLabs, Inc. in Tampa, FL on 12/11/12 for TPHCWG determination. The certified analytical report has been included in its entirety in Appendix A: Subcontracted Analytical Results.

Approved by_____ **Date** 12/17/12

Client: TriEco, LLC
Project: NS Mayport/112CO4630

Service Request: J1206032

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1206032-001	MPT-1241-SS02-0102-112812	11/28/12	10:45

3

ALS Environmental

Cooler Receipt Form

J1206022

Client: TriEco

Service Request #: ~~J1205834~~

Project: Naustamayport Site 1241 & 1596

Cooler received on 11.29.12 and opened on 11.29.12 GB

COURIER: ALS UPS FEDEX (Client) Other _____ Airbill # _____

1	Were custody seals on outside of cooler?	Yes	(No)		
	If yes, how many and where?	#:___ on lid		other	
2	~~Were seals intact and signature and date correct?~~	Yes	No	(N/A)	
3	Were custody papers properly filled out?	(Yes)	No	N/A	
4	Temperature of cooler(s) upon receipt (Should be > 0°C and < 6°C)	5.0	3.4		
5	Thermometer ID	T81			
6	Temperature Blank Present?	(Yes)	No		
7	Were Ice or Ice Packs present	(Ice)	Ice Packs	No	
8	Did all bottles arrive in good condition (unbroken, etc....)?	(Yes)	No	N/A	
9	Type of packing material present	(Netting)	(Vial Holder)	(Bubble Wrap)	
		Paper	Styrofoam	Other	N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	(Yes)	No	N/A	
11	Did all bottle labels and tags agree with custody papers?	(Yes)	No	N/A	
12	Were the correct bottles used for the tests indicated?	(Yes)	No	N/A	
13	~~Were all of the preserved bottles~~ received with the appropriate preservative?	(Yes)	No	N/A	
	(HNO3 pH<2) (H2SO4 pH<2) ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2				
	~~Preservative additions noted below~~				
14	Were all samples received within analysis holding times?	(Yes)	No	N/A	
15	Were all VOA vials free of air bubbles? If present, note below	(Yes)	No	N/A	
16	Where did the bottles originate?	(ALS)	Client		

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted: Date:

J1206032

NAVSTA MAYPORT - SITES 1241 + 1596

J12[redacted] 5

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER № 2640

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LAB
112C04630	NS MAYPORT	SITE DFEARS	904-803-6353	ALS/CAL [redacted]

SAMPLERS (SIGNATURE)	FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
JC. [illegible]	DFEARS	904-803-6353	9143 PHILIPS HIGHWAY SUITE 200

CARRIER/WAYBILL NUMBER	CITY, STATE
DROP OFF	JACKSONVILLE FL 32256

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

DATE YEAR 2012	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	VOC 8260B	SVOC 8270	TRPH-FL PRO	4 METALS-6010	PCB 8270	VOC 8260	TRPH FL-PRO	PCB 8270	METALS 6010	SVOC 8270	COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	G	G	G						
PRESERVATIVE USED									DI/MeOH	-	-	-	HCL				H2SO4		HNO3
11/28	0915	MPT-1241-SS03-0102-112812		1	2	SO	G	5	✓	✓	✓	✓	✓						COOL TO 4°C
11/28	0947	MPT-1241-SB03-0405-112812		4	5	SO	G	5	✓	✓	✓	✓	✓						
11/28	1045	MPT-1241-SS02-0102-112812		1	2	SO	G	5	✓	✓	✓	✓	✓						
11/28	1210	MPT-1241-GW03-112812				GW	G	7	✓					✓	✓	✓	✓	✓	
11/28	1400	MPT-1596-SB01-0203-112812		2	3	SO	G	5	✓	✓	✓	✓	✓						
11/28	1410	MPT-1596-SB01-0405-112812		4	5	SO	G	5	✓	✓	✓	✓	✓						
11/28	1445	MPT-1596-SB03-0203-112812		2	3	SO	G	5	✓	✓	✓	✓	✓						
11/28	1555	MPT-1596-GW01-112812				GW	G	7						✓	✓	✓	✓	✓	
11/28	0000	TRIP BLANK				QC													TRIP BLANK

1. RELINQUISHED BY	DATE	TIME	1. RECEIVED BY	DATE	TIME
Diane Fear	11/29/2012	0900	[illegible]	11.29.12	1000
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS ① - METALS - As, Cd, Cr, Pb only 5.0°C 3.4°C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

Columbia Analytical Services
9143 Philips Highway, Suite 200
Jacksonville, FL 32256
Tel 904-739-2277
Fax 904-739-2011

Appendix A

Subcontracted Analytical Results

December 14, 2012

Craig Myers
Columbia Analytical Services, Inc.
9143 Philips Hwy, Suite 200
Jacksonville, FL 32256

Re: SunLabs Project Number: **121211.03**
Client Project Description: **J1206032**

Dear Mr. Myers:

Enclosed is the report of laboratory analysis for the following samples:

Sample Number	Sample Description	Date Collected	Date Received
157048	J1206032-001	11/28/12 10:45	12/11/12

Narrative:

Unless otherwise noted below or in the report and where applicable:
- Samples were received at the proper temperature and analyzed as received.
- Sample condition upon receipt is recorded on the chain-of-custody attached to this report.
- Results for all solid matrices are reported on a dry weight basis.
- Appropriate calibration and QC criteria were satisfactorily met.
- All applicable holding times for analytes have been met.
- Copies of the chains-of-custody, if received, are attached to this report.

If you have any questions or comments concerning this report, please do not hesitate to contact us.

Sincerely,

Michael W. Palmer

Michael W. Palmer
Vice President, Laboratory Operations

Enclosures

Unless Otherwise Noted and Where Applicable:

The results herein relate only to the items tested or to the samples as received by the laboratory • This report shall not be reproduced except in full, without the written approval of SunLabs • All samples will be disposed of within 60 days of the date of receipt of the samples • All results meet the requirements of the NELAC standards • Uncertainty values are available upon request

Report of Laboratory Analysis

SunLabs Project Number	Columbia Analytical Services, Inc.
121211.03	Project Description
	J1206032

December 14, 2012

SunLabs Sample Number **157048**
Sample Designation **J1206032-001**

Matrix: Soil
Date Collected: 11/28/12 10:45
Date Received: 12/11/12 10:20

Parameters	Method	Units	Results	Dil Factor	MDL	PQL	CAS Number	Date/Time Analyzed	Date/Time Prep
Percent Moisture									
% Moisture	160.3M	%	19			0.12		12/12/12 09:00	
Total Petroleum Hydrocarbon Criteria Working Group									
Date Extracted	TPHCWG		12/11/12						12/11/12 15:54
>C5-C7 Aromatic Hydrocarbons	TPHCWG	mg/kg	33 U	1	33	130		12/12/12 15:22	12/11/12 15:54
>C7-C8 Aromatic Hydrocarbons	TPHCWG	mg/kg	33 U	1	33	130		12/12/12 15:22	12/11/12 15:54
>C8-C10 Aromatic Hydrocarbons	TPHCWG	mg/kg	33 U	1	33	130		12/12/12 15:22	12/11/12 15:54
>C10-C12 Aromatic Hydrocarbons	TPHCWG	mg/kg	33 U	1	33	130		12/12/12 15:22	12/11/12 15:54
>C12-C16 Aromatic Hydrocarbons	TPHCWG	mg/kg	270	1	33	130		12/12/12 15:22	12/11/12 15:54
>C16-C21 Aromatic Hydrocarbons	TPHCWG	mg/kg	320	1	33	130		12/12/12 15:22	12/11/12 15:54
>C21-C35 Aromatic Hydrocarbons	TPHCWG	mg/kg	53 I	1	33	130		12/12/12 15:22	12/11/12 15:54
>C5-C6 Aliphatic Hydrocarbons	TPHCWG	mg/kg	42 U	1	42	170		12/12/12 15:01	12/11/12 15:54
>C6-C8 Aliphatic Hydrocarbons	TPHCWG	mg/kg	42 U	1	42	170		12/12/12 15:01	12/11/12 15:54
>C8-C10 Aliphatic Hydrocarbons	TPHCWG	mg/kg	42 U	1	42	170		12/12/12 15:01	12/11/12 15:54
>C10-C12 Aliphatic Hydrocarbons	TPHCWG	mg/kg	42 U	1	42	170		12/12/12 15:01	12/11/12 15:54
>C12-C16 Aliphatic Hydrocarbons	TPHCWG	mg/kg	680	1	42	170		12/12/12 15:01	12/11/12 15:54
>C16-C35 Aliphatic Hydrocarbons	TPHCWG	mg/kg	640	1	42	170		12/12/12 15:01	12/11/12 15:54

Report of Laboratory Analysis

SunLabs Project Number	Columbia Analytical Services, Inc.
121211.03	Project Description
	J1206032

December 14, 2012

Footnotes	
**	Not NELAC certified for this analyte
I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
J	The reported value failed to meet the established quality control criteria for either precision or accuracy(see cover letter for explanation)
LCS	Laboratory Control Sample
LCSD	Laboratory Control Sample Duplicate
MB	Method Blank
MS	Matrix Spike
MSD	Matrix Spike Duplicate
NA	Sample not analyzed at client's request.
p	SunLabs is not currently NELAC certified for this analyte.
Q	Sample held beyond the accepted holding time.
RPD	Relative Percent Difference
U	Compound was analyzed for but not detected.
U,Q	Compound was anaylzed for but not detected. Sample was analyzed beyond the accepted holding time.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.
Z	Too many colonies were present (TNTC); the numeric value represents the filtration volume.

Quality Control Data

Project Number	Columbia Analytical Services, Inc.
121211.03	Project Description: J1206032

December 14, 2012

Batch No: E8670

Test: **Percent Moisture**

TestCode: % Moisture

Associated Samples: 157048

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number														*157032*	
% Moisture														3.1	

Batch No: E8672

Test: **Total Petroleum Hydrocarbon Criteria Working Group**

TestCode: TPHworking group-s

Associated Samples: 157048

Compound	Blank	LCS Spike	LCS %Rec	LCSD %Rec	RPD %	---QC Limits--- RPD	LCS	MS Spike	MS %Rec	MSD %Rec	RPD %	---QC Limits--- RPD	MS	Dup RPD	Qualifiers
Parent Sample Number									*157046*	*157046*					
Date Extracted	12/11/12														
>C5-C7 Aromatic Hydrocarbons	27 U mg/kg														
>C7-C8 Aromatic Hydrocarbons	27 U mg/kg														
>C8-C10 Aromatic Hydrocarbons	27 U mg/kg														
>C10-C12 Aromatic Hydrocarbons	27 U mg/kg														
>C12-C16 Aromatic Hydrocarbons	27 U mg/kg														
>C16-C21 Aromatic Hydrocarbons	27 U mg/kg														
>C21-C35 Aromatic Hydrocarbons	27 U mg/kg														
>C5-C6 Aliphatic Hydrocarbons	34 U mg/kg														
>C6-C8 Aliphatic Hydrocarbons	34 U mg/kg														
>C8-C10 Aliphatic Hydrocarbons	34 U mg/kg														
>C10-C12 Aliphatic Hydrocarbons	34 U mg/kg														
>C12-C16 Aliphatic Hydrocarbons	34 U mg/kg														
>C16-C35 Aliphatic Hydrocarbons	34 U mg/kg														
C5-C35		2500	103	91	12	20	60-140	2500	108	101	7	20	60-140		

* indicates value is outside control limits for %Recovery or greater than acceptance criteria for RPD

Footnotes

U — *Compound was analyzed for but not detected.*

ALS Environmental Chain of Custody

9143 Philips Highway • Jacksonville, FL 32256 • 904-739-2277 • FAX 904-739-2011

ALS Contact: Craig Myers

121211.03

Project Number: J1206032
Project Manager: Craig Myers

Lab Code	Sample ID	# of Cont.	Matrix	Sample Date	Sample Time	Lab ID	~~Misc Out~~ ~~None~~ TPHCWG
J1206032-001	MPT-1241-SS02-0102-112812	1	Soil	11/28/12	1045	SunLabs	x

157048

Special Instructions/Comments

1.4°C ice

Turnaround Requirements

____ RUSH (Surcharges Apply)

PLEASE CIRCLE WORK DAYS

1 2 3 4 5

✓ STANDARD

Requested FAX Date: _____

Requested Report Date: 12/17/12

Report Requirements

____ I. Results Only

✓ II. Results + QC Summaries

____ III. Results + QC and Calibration Summaries

____ IV. Data Validation Report with Raw Data

PQL/MDL/J Y

EDD N

Invoice Information

PO# J1206032

Bill to

Relinquished By: Shawn Lightly 12/10/12

Received By: C Huber (Fedex) 12/11/12 10:20

Airbill Number:

January 04, 2013 Service Request No:J1206127

Diane Fears
TriEco, LLC
8640 Philips Highway
Suite 16
Jacksonville, FL 32256

Laboratory Results for: NAVSTA Mayport

Dear Diane,

Enclosed are the results of the sample(s) submitted to our laboratory December 13, 2012
For your reference, these analyses have been assigned our service request number **J1206127.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at Craig.Myers@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Enviromental

Craig Myers
Project Manager

ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256
PHONE +1 904 739 2277 | FAX +1 904 739 2011
Columbia Analytical Services, Inc.
Part of the ALS Group A Campbell Brothers Limited Company

9143 Philips Highway, Jacksonville, FL 32256 | 904-739-2277 | www.caslab.com

ALS Environmental

Client: TriEco, LLC
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

Service Request: J1206127
Date Received: 12/13/12

CASE NARRATIVE

All analyses were performed consistent with the quality assurance program of Columbia Analytical Services, Inc. (CAS). This report contains analytical results for samples designated for Tier II data deliverables, including results of QC samples analyzed from this delivery group. When appropriate to the procedure, method blank results have been reported with each analytical test. Analytical procedures performed by the lab are validated in accordance with NELAC standards. Parameters that are included in the NELAC Fields of Testing but are not included in the lab's NELAC accreditation are identified in the discussion of each analytical procedure.

Sample Receipt

Twenty-soil samples were received for analysis at Columbia Analytical Services on 12/13/12. The samples were received in good condition and consistent with the accompanying chain of custody form. Samples are refrigerated at ≤6°C upon receipt at the lab except for aqueous samples designated for metals analyses, which are stored at room temperature.

Semi-Volatile Organic Analyses:

Method 8270C SIM: The control criterion was exceeded for the following surrogate in sample J1206127-016: p-Terphenyl-d14. The sample was re-extracted and reanalyzed out of hold. The surrogate met control criteria for the reanalysis. Note the results for the field sample was comparable for both determinations, which indicates the problem with the initial analysis was restricted to the surrogate recovery. Therefore, the results from the original analysis are reported. The data is flagged to indicate the problem.

Method 8270C SIM: The duplicate matrix spike recoveries of several analytes for sample J1206127-008 were outside control criteria. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential bias in this matrix. No further corrective action was appropriate.

Method 8270C SIM: The Relative Percent Difference (RPD) for several analytes in the replicate matrix spike analyses of sample J1206127-008 was outside control criteria. All spike recoveries in the associated Laboratory Control Sample (LCS) were within acceptance limits, indicating the analytical batch was in control. No further corrective action was appropriate.

Method FL-PRO: The duplicate matrix spike recovery of FL-PRO (C8-C40) for sample J1206127-003 was outside control criteria because of suspected matrix interference. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential bias in this matrix. No further corrective action was appropriate.

Method FL-PRO: The matrix spike recovery of FL-PRO (C8-C40) for sample J1206127-007 was outside control criteria because of suspected matrix interference. Recovery in the Laboratory Control Sample (LCS) was acceptable, which indicates the analytical batch was in control. The matrix spike outlier suggests a potential bias in this matrix. No further corrective action was appropriate.

General Chemistry Analyses:

No significant data anomalies were noted with this analysis.

Approved by _____ Date 1/4/2013

ALS Environmental

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Florida Department of Health	E82502	6/30/2013
Louisiana Department of Environmental Quality	02086	6/30/2013
Georgia Department of Natural Resources	958	6/30/2013
Kentucky Division of Waste Management	63	7/5/2013
South Carolina Department of Health and Environmental Control	96021001	6/30/2013
Texas Commision on Environmental Quality	T104704197-09-TX	5/31/2013
Maine Department of Health and Human Services	2011006	2/3/2013
Department of Defense	66206	5/31/2013

Data Qualifiers

Florida-DEP

!	Data deviates from historically established concentration ranges
*	Not reported due to interference
?	Data is rejected and should not be used
A	Value reported is the arithmetic mean of two or more determininations
B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory PQL.
J	Estimated value.
K	Off scale low. The value is less than the lowest calibration standard.
L	Off scale high. The analyte is above the acceptable level of quantitation.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed
Q	Sample held beyond the acceptable holding time.
R	Significant rain in the past 48 hours (typically in excess of 0.5 inches)
T	Estimated value, less than the MDL
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
X	Insufficient individuals were present in the sample to achieve a minimum of 280 organisms for identification (Stream Condition Index Analysis only)
Y	The laboratory analysis was from an unpreserved or improperly preserved sample.
Z	Too many colonies were present, the numeric value represents the filtration volume

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: TriEco, LLC **Service Request:**J1206127
Project: NAVSTA Mayport/112C04630

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1206127-001	MPT-1241-SB01-0103-121212	12/12/2012	1035
J1206127-002	MPT-1241-SB01-0305-121212	12/12/2012	1040
J1206127-003	MPT-1241-SB01-0507-121212	12/12/2012	1050
J1206127-004	MPT-1241-SB02-0305-121212	12/12/2012	1115
J1206127-005	MPT-1241-SB02-0507-121212	12/12/2012	1120
J1206127-006	MPT-1241-SB04-0103-121212	12/12/2012	1150
J1206127-007	MPT-1241-SB04-0305-121212	12/12/2012	1200
J1206127-008	MPT-1241-SB04-0507-121212	12/12/2012	1205
J1206127-009	MPT-1241-SB05-0103-121212	12/12/2012	1230
J1206127-010	MPT-1241-SB05-0305-121212	12/12/2012	1240
J1206127-011	MPT-1241-SB05-0507-121212	12/12/2012	1245
J1206127-012	MPT-1241-SB06-0103-121212	12/12/2012	1340
J1206127-013	MPT-1241-SB06-0305-121212	12/12/2012	1345
J1206127-014	MPT-1241-SB06-0507-121212	12/12/2012	1350
J1206127-015	MPT-1241-SB07-0103-121212	12/12/2012	1425
J1206127-016	MPT-1241-SB07-0305-121212	12/12/2012	1430
J1206127-017	MPT-1241-SB07-0507-121212	12/12/2012	1435
J1206127-018	MPT-1241-SB08-0103-121212	12/12/2012	1505
J1206127-019	MPT-1241-SB08-0305-121212	12/12/2012	1510
J1206127-020	MPT-1241-SB08-0507-121212	12/12/2012	1515

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 10:35
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB01-0103-121212	**Units:**	ug/Kg
Lab Code:	J1206127-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	63.0 U	168	63.0	1	12/19/12 02:39	12/6/12	
1,2-Dichlorobenzene	32.0 U	168	32.0	1	12/19/12 02:39	12/6/12	
1,3-Dichlorobenzene	38.0 U	168	38.0	1	12/19/12 02:39	12/6/12	
1,4-Dichlorobenzene	41.0 U	168	41.0	1	12/19/12 02:39	12/6/12	
1-Methylnaphthalene	66.0 U	168	66.0	1	12/19/12 02:39	12/6/12	
2,4,5-Trichlorophenol	57.0 U	168	57.0	1	12/19/12 02:39	12/6/12	
2,4,6-Trichlorophenol	50.0 U	168	50.0	1	12/19/12 02:39	12/6/12	
2,4-Dichlorophenol	63.0 U	168	63.0	1	12/19/12 02:39	12/6/12	
2,4-Dimethylphenol	83.0 U	168	83.0	1	12/19/12 02:39	12/6/12	
2,4-Dinitrophenol	23.0 U	664	23.0	1	12/19/12 02:39	12/6/12	
2,4-Dinitrotoluene	41.0 U	168	41.0	1	12/19/12 02:39	12/6/12	
2,6-Dinitrotoluene	48.0 U	168	48.0	1	12/19/12 02:39	12/6/12	
2-Chloronaphthalene	43.0 U	168	43.0	1	12/19/12 02:39	12/6/12	
2-Chlorophenol	35.0 U	168	35.0	1	12/19/12 02:39	12/6/12	
2-Methylnaphthalene	59.0 U	168	59.0	1	12/19/12 02:39	12/6/12	
2-Methylphenol	48.0 U	168	48.0	1	12/19/12 02:39	12/6/12	
2-Nitroaniline	51.0 U	168	51.0	1	12/19/12 02:39	12/6/12	
2-Nitrophenol	52.0 U	664	52.0	1	12/19/12 02:39	12/6/12	
3- and 4-Methylphenol Coelution	43.0 U	168	43.0	1	12/19/12 02:39	12/6/12	
3,3'-Dichlorobenzidine	85.0 U	664	85.0	1	12/20/12 08:00	12/6/12	
3-Nitroaniline	51.0 U	168	51.0	1	12/19/12 02:39	12/6/12	
4,6-Dinitro-2-methylphenol	48.0 U	168	48.0	1	12/19/12 02:39	12/6/12	
4-Bromophenyl Phenyl Ether	52.0 U	168	52.0	1	12/19/12 02:39	12/6/12	
4-Chloro-3-methylphenol	53.0 U	168	53.0	1	12/19/12 02:39	12/6/12	
4-Chloroaniline	69.0 U	168	69.0	1	12/19/12 02:39	12/6/12	
4-Chlorophenyl Phenyl Ether	52.0 U	168	52.0	1	12/19/12 02:39	12/6/12	
4-Nitroaniline	55.0 U	168	55.0	1	12/19/12 02:39	12/6/12	
4-Nitrophenol	56.0 U	664	56.0	1	12/19/12 02:39	12/6/12	
Acenaphthene	53.0 U	168	53.0	1	12/19/12 02:39	12/6/12	
Acenaphthylene	47.0 U	168	47.0	1	12/19/12 02:39	12/6/12	
Acetophenone	46.0 U	337	46.0	1	12/19/12 02:39	12/6/12	
Anthracene	43.0 U	168	43.0	1	12/19/12 02:39	12/6/12	
Benz(a)anthracene	47.0 U	168	47.0	1	12/20/12 08:00	12/6/12	
Benzo(a)pyrene	37.0 U	168	37.0	1	12/19/12 02:39	12/6/12	
Benzo(b)fluoranthene	26.0 U	168	26.0	1	12/19/12 02:39	12/6/12	
Benzo(g,h,i)perylene	52.0 U	168	52.0	1	12/19/12 02:39	12/6/12	
Benzo(k)fluoranthene	59.0 U	168	59.0	1	12/19/12 02:39	12/6/12	
Benzyl Alcohol	38.0 U	337	38.0	1	12/19/12 02:39	12/6/12	
Bis(2-chloroethoxy)methane	53.0 U	168	53.0	1	12/19/12 02:39	12/6/12	
Bis(2-chloroethyl) Ether	42.0 U	168	42.0	1	12/19/12 02:39	12/6/12	
Bis(2-chloroisopropyl) Ether	35.0 U	168	35.0	1	12/19/12 02:39	12/6/12	
Bis(2-ethylhexyl) Phthalate	**164 I**	168	44.0	1	12/20/12 08:00	12/6/12	
Butyl Benzyl Phthalate	47.0 U	337	47.0	1	12/20/12 08:00	12/6/12	

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 10:35
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB01-0103-121212	**Units:**	ug/Kg
Lab Code:	J1206127-001	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57.0 U	168	57.0	1	12/19/12 02:39	12/6/12	
Chrysene	45.0 U	168	45.0	1	12/20/12 08:00	12/6/12	
Dibenz(a,h)anthracene	46.0 U	168	46.0	1	12/19/12 02:39	12/6/12	
Dibenzofuran	46.0 U	168	46.0	1	12/19/12 02:39	12/6/12	
Diethyl Phthalate	51.0 U	168	51.0	1	12/19/12 02:39	12/6/12	
Dimethyl Phthalate	53.0 U	168	53.0	1	12/19/12 02:39	12/6/12	
Di-n-butyl Phthalate	34.0 U	168	34.0	1	12/19/12 02:39	12/6/12	
Di-n-octyl Phthalate	52.0 U	168	52.0	1	12/19/12 02:39	12/6/12	
Diphenylamine + n-Nitrosodiphenylamine	37.0 U	168	37.0	1	12/19/12 02:39	12/6/12	
Fluoranthene	48.0 U	168	48.0	1	12/19/12 02:39	12/6/12	
Fluorene	47.0 U	168	47.0	1	12/19/12 02:39	12/6/12	
Hexachlorobenzene	48.0 U	168	48.0	1	12/19/12 02:39	12/6/12	
Hexachlorobutadiene	55.0 U	168	55.0	1	12/19/12 02:39	12/6/12	
Hexachlorocyclopentadiene	34.0 U	168	34.0	1	12/19/12 02:39	12/6/12	
Hexachloroethane	31.0 U	168	31.0	1	12/19/12 02:39	12/6/12	
Indeno(1,2,3-cd)pyrene	41.0 U	168	41.0	1	12/19/12 02:39	12/6/12	
Isophorone	58.0 U	168	58.0	1	12/19/12 02:39	12/6/12	
Naphthalene	49.0 U	168	49.0	1	12/19/12 02:39	12/6/12	
Nitrobenzene	39.0 U	168	39.0	1	12/19/12 02:39	12/6/12	
N-Nitrosodi-n-propylamine	50.0 U	168	50.0	1	12/19/12 02:39	12/6/12	
Pentachlorophenol (PCP)	35.0 U	664	35.0	1	12/19/12 02:39	12/6/12	
Phenanthrene	42.0 U	168	42.0	1	12/19/12 02:39	12/6/12	
Phenol	46.0 U	168	46.0	1	12/19/12 02:39	12/6/12	
Pyrene	46.0 U	168	46.0	1	12/20/12 08:00	12/6/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	28 - 164	12/19/12 02:39	
2-Fluorobiphenyl	79	33 - 133	12/19/12 02:39	
2-Fluorophenol	64	10 - 126	12/19/12 02:39	
Nitrobenzene-d5	69	25 - 138	12/19/12 02:39	
Phenol-d6	73	10 - 170	12/19/12 02:39	
p-Terphenyl-d14	84	16 - 168	12/20/12 08:00	

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 10:35
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB01-0103-121212	**Units:**	mg/Kg
Lab Code:	J1206127-001	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**285**	20.6	2.06	1	12/15/12 12:41	12/14/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	89	62 - 109	12/15/12 12:41	
n-Nonatriacontane	83	60 - 118	12/15/12 12:41	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 10:40
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB01-0305-121212	**Units:**	ug/Kg
Lab Code:	J1206127-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	74.0 U	200	74.0	1	12/19/12 03:16	12/6/12	
1,2-Dichlorobenzene	37.6 U	200	37.6	1	12/19/12 03:16	12/6/12	
1,3-Dichlorobenzene	44.7 U	200	44.7	1	12/19/12 03:16	12/6/12	
1,4-Dichlorobenzene	48.2 U	200	48.2	1	12/19/12 03:16	12/6/12	
1-Methylnaphthalene	77.5 U	200	77.5	1	12/19/12 03:16	12/6/12	
2,4,5-Trichlorophenol	67.0 U	200	67.0	1	12/19/12 03:16	12/6/12	
2,4,6-Trichlorophenol	58.7 U	200	58.7	1	12/19/12 03:16	12/6/12	
2,4-Dichlorophenol	74.0 U	200	74.0	1	12/19/12 03:16	12/6/12	
2,4-Dimethylphenol	97.5 U	200	97.5	1	12/19/12 03:16	12/6/12	
2,4-Dinitrophenol	27.1 U	787	27.1	1	12/19/12 03:16	12/6/12	
2,4-Dinitrotoluene	48.2 U	200	48.2	1	12/19/12 03:16	12/6/12	
2,6-Dinitrotoluene	56.4 U	200	56.4	1	12/19/12 03:16	12/6/12	
2-Chloronaphthalene	50.5 U	200	50.5	1	12/19/12 03:16	12/6/12	
2-Chlorophenol	41.1 U	200	41.1	1	12/19/12 03:16	12/6/12	
2-Methylnaphthalene	69.3 U	200	69.3	1	12/19/12 03:16	12/6/12	
2-Methylphenol	56.4 U	200	56.4	1	12/19/12 03:16	12/6/12	
2-Nitroaniline	59.9 U	200	59.9	1	12/19/12 03:16	12/6/12	
2-Nitrophenol	61.1 U	787	61.1	1	12/19/12 03:16	12/6/12	
3- and 4-Methylphenol Coelution	50.5 U	200	50.5	1	12/19/12 03:16	12/6/12	
3,3'-Dichlorobenzidine	99.8 U	787	99.8	1	12/19/12 03:16	12/6/12	
3-Nitroaniline	59.9 U	200	59.9	1	12/19/12 03:16	12/6/12	
4,6-Dinitro-2-methylphenol	56.4 U	200	56.4	1	12/19/12 03:16	12/6/12	
4-Bromophenyl Phenyl Ether	61.1 U	200	61.1	1	12/19/12 03:16	12/6/12	
4-Chloro-3-methylphenol	62.3 U	200	62.3	1	12/19/12 03:16	12/6/12	
4-Chloroaniline	81.1 U	200	81.1	1	12/19/12 03:16	12/6/12	
4-Chlorophenyl Phenyl Ether	61.1 U	200	61.1	1	12/19/12 03:16	12/6/12	
4-Nitroaniline	64.6 U	200	64.6	1	12/19/12 03:16	12/6/12	
4-Nitrophenol	65.8 U	787	65.8	1	12/19/12 03:16	12/6/12	
Acenaphthene	62.3 U	200	62.3	1	12/19/12 03:16	12/6/12	
Acenaphthylene	55.2 U	200	55.2	1	12/19/12 03:16	12/6/12	
Acetophenone	54.1 U	399	54.1	1	12/19/12 03:16	12/6/12	
Anthracene	50.5 U	200	50.5	1	12/19/12 03:16	12/6/12	
Benz(a)anthracene	55.2 U	200	55.2	1	12/19/12 03:16	12/6/12	
Benzo(a)pyrene	43.5 U	200	43.5	1	12/19/12 03:16	12/6/12	
Benzo(b)fluoranthene	30.6 U	200	30.6	1	12/19/12 03:16	12/6/12	
Benzo(g,h,i)perylene	61.1 U	200	61.1	1	12/19/12 03:16	12/6/12	
Benzo(k)fluoranthene	69.3 U	200	69.3	1	12/19/12 03:16	12/6/12	
Benzyl Alcohol	44.7 U	399	44.7	1	12/19/12 03:16	12/6/12	
Bis(2-chloroethoxy)methane	62.3 U	200	62.3	1	12/19/12 03:16	12/6/12	
Bis(2-chloroethyl) Ether	49.4 U	200	49.4	1	12/19/12 03:16	12/6/12	
Bis(2-chloroisopropyl) Ether	41.1 U	200	41.1	1	12/19/12 03:16	12/6/12	
Bis(2-ethylhexyl) Phthalate	**3020**	200	51.7	1	12/20/12 08:37	12/6/12	
Butyl Benzyl Phthalate	55.2 U	399	55.2	1	12/19/12 03:16	12/6/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 10:40
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB01-0305-121212	**Units:**	ug/Kg
Lab Code:	J1206127-002	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	67.0 U	200	67.0	1	12/19/12 03:16	12/6/12	
Chrysene	52.9 U	200	52.9	1	12/19/12 03:16	12/6/12	
Dibenz(a,h)anthracene	54.1 U	200	54.1	1	12/19/12 03:16	12/6/12	
Dibenzofuran	54.1 U	200	54.1	1	12/19/12 03:16	12/6/12	
Diethyl Phthalate	59.9 U	200	59.9	1	12/19/12 03:16	12/6/12	
Dimethyl Phthalate	62.3 U	200	62.3	1	12/19/12 03:16	12/6/12	
Di-n-butyl Phthalate	40.0 U	200	40.0	1	12/19/12 03:16	12/6/12	
Di-n-octyl Phthalate	61.1 U	200	61.1	1	12/19/12 03:16	12/6/12	
Diphenylamine + n-Nitrosodiphenylamine	43.5 U	200	43.5	1	12/19/12 03:16	12/6/12	
Fluoranthene	56.4 U	200	56.4	1	12/19/12 03:16	12/6/12	
Fluorene	55.2 U	200	55.2	1	12/19/12 03:16	12/6/12	
Hexachlorobenzene	56.4 U	200	56.4	1	12/19/12 03:16	12/6/12	
Hexachlorobutadiene	64.6 U	200	64.6	1	12/19/12 03:16	12/6/12	
Hexachlorocyclopentadiene	40.0 U	200	40.0	1	12/19/12 03:16	12/6/12	
Hexachloroethane	36.4 U	200	36.4	1	12/19/12 03:16	12/6/12	
Indeno(1,2,3-cd)pyrene	48.2 U	200	48.2	1	12/19/12 03:16	12/6/12	
Isophorone	68.1 U	200	68.1	1	12/19/12 03:16	12/6/12	
Naphthalene	57.6 U	200	57.6	1	12/19/12 03:16	12/6/12	
Nitrobenzene	45.8 U	200	45.8	1	12/19/12 03:16	12/6/12	
N-Nitrosodi-n-propylamine	58.7 U	200	58.7	1	12/19/12 03:16	12/6/12	
Pentachlorophenol (PCP)	41.1 U	787	41.1	1	12/19/12 03:16	12/6/12	
Phenanthrene	49.4 U	200	49.4	1	12/19/12 03:16	12/6/12	
Phenol	54.1 U	200	54.1	1	12/19/12 03:16	12/6/12	
Pyrene	54.1 U	200	54.1	1	12/19/12 03:16	12/6/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	72	28 - 164	12/19/12 03:16	
2-Fluorobiphenyl	72	33 - 133	12/19/12 03:16	
2-Fluorophenol	58	10 - 126	12/19/12 03:16	
Nitrobenzene-d5	62	25 - 138	12/19/12 03:16	
Phenol-d6	65	10 - 170	12/19/12 03:16	
p-Terphenyl-d14	80	16 - 168	12/19/12 03:16	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 10:40
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB01-0305-121212	**Units:**	mg/Kg
Lab Code:	J1206127-002	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**50.6**	20.4	2.04	1	12/15/12 13:10	12/14/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	72	62 - 109	12/15/12 13:10	
n-Nonatriacontane	80	60 - 118	12/15/12 13:10	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 10:50
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB01-0507-121212	**Units:**	ug/Kg
Lab Code:	J1206127-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	63.0 U	161	63.0	1	12/19/12 03:53	12/6/12	
1,2-Dichlorobenzene	32.0 U	161	32.0	1	12/19/12 03:53	12/6/12	
1,3-Dichlorobenzene	38.0 U	161	38.0	1	12/19/12 03:53	12/6/12	
1,4-Dichlorobenzene	41.0 U	161	41.0	1	12/19/12 03:53	12/6/12	
1-Methylnaphthalene	66.0 U	161	66.0	1	12/19/12 03:53	12/6/12	
2,4,5-Trichlorophenol	57.0 U	161	57.0	1	12/19/12 03:53	12/6/12	
2,4,6-Trichlorophenol	50.0 U	161	50.0	1	12/19/12 03:53	12/6/12	
2,4-Dichlorophenol	63.0 U	161	63.0	1	12/19/12 03:53	12/6/12	
2,4-Dimethylphenol	83.0 U	161	83.0	1	12/19/12 03:53	12/6/12	
2,4-Dinitrophenol	23.0 U	636	23.0	1	12/19/12 03:53	12/6/12	
2,4-Dinitrotoluene	41.0 U	161	41.0	1	12/19/12 03:53	12/6/12	
2,6-Dinitrotoluene	48.0 U	161	48.0	1	12/19/12 03:53	12/6/12	
2-Chloronaphthalene	43.0 U	161	43.0	1	12/19/12 03:53	12/6/12	
2-Chlorophenol	35.0 U	161	35.0	1	12/19/12 03:53	12/6/12	
2-Methylnaphthalene	59.0 U	161	59.0	1	12/19/12 03:53	12/6/12	
2-Methylphenol	48.0 U	161	48.0	1	12/19/12 03:53	12/6/12	
2-Nitroaniline	51.0 U	161	51.0	1	12/19/12 03:53	12/6/12	
2-Nitrophenol	52.0 U	636	52.0	1	12/19/12 03:53	12/6/12	
3- and 4-Methylphenol Coelution	43.0 U	161	43.0	1	12/19/12 03:53	12/6/12	
3,3'-Dichlorobenzidine	85.0 U	636	85.0	1	12/19/12 03:53	12/6/12	
3-Nitroaniline	51.0 U	161	51.0	1	12/19/12 03:53	12/6/12	
4,6-Dinitro-2-methylphenol	48.0 U	161	48.0	1	12/19/12 03:53	12/6/12	
4-Bromophenyl Phenyl Ether	52.0 U	161	52.0	1	12/19/12 03:53	12/6/12	
4-Chloro-3-methylphenol	53.0 U	161	53.0	1	12/19/12 03:53	12/6/12	
4-Chloroaniline	69.0 U	161	69.0	1	12/19/12 03:53	12/6/12	
4-Chlorophenyl Phenyl Ether	52.0 U	161	52.0	1	12/19/12 03:53	12/6/12	
4-Nitroaniline	55.0 U	161	55.0	1	12/19/12 03:53	12/6/12	
4-Nitrophenol	56.0 U	636	56.0	1	12/19/12 03:53	12/6/12	
Acenaphthene	53.0 U	161	53.0	1	12/19/12 03:53	12/6/12	
Acenaphthylene	47.0 U	161	47.0	1	12/19/12 03:53	12/6/12	
Acetophenone	46.0 U	323	46.0	1	12/19/12 03:53	12/6/12	
Anthracene	43.0 U	161	43.0	1	12/19/12 03:53	12/6/12	
Benz(a)anthracene	47.0 U	161	47.0	1	12/19/12 03:53	12/6/12	
Benzo(a)pyrene	37.0 U	161	37.0	1	12/19/12 03:53	12/6/12	
Benzo(b)fluoranthene	26.0 U	161	26.0	1	12/19/12 03:53	12/6/12	
Benzo(g,h,i)perylene	52.0 U	161	52.0	1	12/19/12 03:53	12/6/12	
Benzo(k)fluoranthene	59.0 U	161	59.0	1	12/19/12 03:53	12/6/12	
Benzyl Alcohol	38.0 U	323	38.0	1	12/19/12 03:53	12/6/12	
Bis(2-chloroethoxy)methane	53.0 U	161	53.0	1	12/19/12 03:53	12/6/12	
Bis(2-chloroethyl) Ether	42.0 U	161	42.0	1	12/19/12 03:53	12/6/12	
Bis(2-chloroisopropyl) Ether	35.0 U	161	35.0	1	12/19/12 03:53	12/6/12	
Bis(2-ethylhexyl) Phthalate	**398**	161	44.0	1	12/20/12 09:13	12/6/12	
Butyl Benzyl Phthalate	47.0 U	323	47.0	1	12/19/12 03:53	12/6/12	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 10:50
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB01-0507-121212	**Units:**	ug/Kg
Lab Code:	J1206127-003	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57.0 U	161	57.0	1	12/19/12 03:53	12/6/12	
Chrysene	45.0 U	161	45.0	1	12/19/12 03:53	12/6/12	
Dibenz(a,h)anthracene	46.0 U	161	46.0	1	12/19/12 03:53	12/6/12	
Dibenzofuran	46.0 U	161	46.0	1	12/19/12 03:53	12/6/12	
Diethyl Phthalate	51.0 U	161	51.0	1	12/19/12 03:53	12/6/12	
Dimethyl Phthalate	53.0 U	161	53.0	1	12/19/12 03:53	12/6/12	
Di-n-butyl Phthalate	34.0 U	161	34.0	1	12/19/12 03:53	12/6/12	
Di-n-octyl Phthalate	52.0 U	161	52.0	1	12/19/12 03:53	12/6/12	
Diphenylamine + n-Nitrosodiphenylamine	37.0 U	161	37.0	1	12/19/12 03:53	12/6/12	
Fluoranthene	48.0 U	161	48.0	1	12/19/12 03:53	12/6/12	
Fluorene	47.0 U	161	47.0	1	12/19/12 03:53	12/6/12	
Hexachlorobenzene	48.0 U	161	48.0	1	12/19/12 03:53	12/6/12	
Hexachlorobutadiene	55.0 U	161	55.0	1	12/19/12 03:53	12/6/12	
Hexachlorocyclopentadiene	34.0 U	161	34.0	1	12/19/12 03:53	12/6/12	
Hexachloroethane	31.0 U	161	31.0	1	12/19/12 03:53	12/6/12	
Indeno(1,2,3-cd)pyrene	41.0 U	161	41.0	1	12/19/12 03:53	12/6/12	
Isophorone	58.0 U	161	58.0	1	12/19/12 03:53	12/6/12	
Naphthalene	49.0 U	161	49.0	1	12/19/12 03:53	12/6/12	
Nitrobenzene	39.0 U	161	39.0	1	12/19/12 03:53	12/6/12	
N-Nitrosodi-n-propylamine	50.0 U	161	50.0	1	12/19/12 03:53	12/6/12	
Pentachlorophenol (PCP)	35.0 U	636	35.0	1	12/19/12 03:53	12/6/12	
Phenanthrene	42.0 U	161	42.0	1	12/19/12 03:53	12/6/12	
Phenol	46.0 U	161	46.0	1	12/19/12 03:53	12/6/12	
Pyrene	46.0 U	161	46.0	1	12/19/12 03:53	12/6/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	78	28 - 164	12/19/12 03:53	
2-Fluorobiphenyl	75	33 - 133	12/19/12 03:53	
2-Fluorophenol	62	10 - 126	12/19/12 03:53	
Nitrobenzene-d5	64	25 - 138	12/19/12 03:53	
Phenol-d6	68	10 - 170	12/19/12 03:53	
p-Terphenyl-d14	87	16 - 168	12/19/12 03:53	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 10:50
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB01-0507-121212	**Units:**	mg/Kg
Lab Code:	J1206127-003	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**64.9**	19.3	2.00	1	12/15/12 13:39	12/14/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	84	62 - 109	12/15/12 13:39	
n-Nonatriacontane	88	60 - 118	12/15/12 13:39	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 11:15
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB02-0305-121212	**Units:**	ug/Kg
Lab Code:	J1206127-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	71.1 U	192	71.1	1	12/19/12 04:29	12/6/12	
1,2-Dichlorobenzene	36.2 U	192	36.2	1	12/19/12 04:29	12/6/12	
1,3-Dichlorobenzene	42.9 U	192	42.9	1	12/19/12 04:29	12/6/12	
1,4-Dichlorobenzene	46.3 U	192	46.3	1	12/19/12 04:29	12/6/12	
1-Methylnaphthalene	74.5 U	192	74.5	1	12/19/12 04:29	12/6/12	
2,4,5-Trichlorophenol	64.4 U	192	64.4	1	12/19/12 04:29	12/6/12	
2,4,6-Trichlorophenol	56.5 U	192	56.5	1	12/19/12 04:29	12/6/12	
2,4-Dichlorophenol	71.1 U	192	71.1	1	12/19/12 04:29	12/6/12	
2,4-Dimethylphenol	93.7 U	192	93.7	1	12/19/12 04:29	12/6/12	
2,4-Dinitrophenol	26.0 U	756	26.0	1	12/19/12 04:29	12/6/12	
2,4-Dinitrotoluene	46.3 U	192	46.3	1	12/19/12 04:29	12/6/12	
2,6-Dinitrotoluene	54.2 U	192	54.2	1	12/19/12 04:29	12/6/12	
2-Chloronaphthalene	48.6 U	192	48.6	1	12/19/12 04:29	12/6/12	
2-Chlorophenol	39.5 U	192	39.5	1	12/19/12 04:29	12/6/12	
2-Methylnaphthalene	66.6 U	192	66.6	1	12/19/12 04:29	12/6/12	
2-Methylphenol	54.2 U	192	54.2	1	12/19/12 04:29	12/6/12	
2-Nitroaniline	57.6 U	192	57.6	1	12/19/12 04:29	12/6/12	
2-Nitrophenol	58.7 U	756	58.7	1	12/19/12 04:29	12/6/12	
3- and 4-Methylphenol Coelution	48.6 U	192	48.6	1	12/19/12 04:29	12/6/12	
3,3'-Dichlorobenzidine	95.9 U	756	95.9	1	12/19/12 04:29	12/6/12	
3-Nitroaniline	57.6 U	192	57.6	1	12/19/12 04:29	12/6/12	
4,6-Dinitro-2-methylphenol	54.2 U	192	54.2	1	12/19/12 04:29	12/6/12	
4-Bromophenyl Phenyl Ether	58.7 U	192	58.7	1	12/19/12 04:29	12/6/12	
4-Chloro-3-methylphenol	59.8 U	192	59.8	1	12/19/12 04:29	12/6/12	
4-Chloroaniline	77.9 U	192	77.9	1	12/19/12 04:29	12/6/12	
4-Chlorophenyl Phenyl Ether	58.7 U	192	58.7	1	12/19/12 04:29	12/6/12	
4-Nitroaniline	62.1 U	192	62.1	1	12/19/12 04:29	12/6/12	
4-Nitrophenol	63.2 U	756	63.2	1	12/19/12 04:29	12/6/12	
Acenaphthene	59.8 U	192	59.8	1	12/19/12 04:29	12/6/12	
Acenaphthylene	53.1 U	192	53.1	1	12/19/12 04:29	12/6/12	
Acetophenone	51.9 U	384	51.9	1	12/19/12 04:29	12/6/12	
Anthracene	48.6 U	192	48.6	1	12/19/12 04:29	12/6/12	
Benz(a)anthracene	53.1 U	192	53.1	1	12/19/12 04:29	12/6/12	
Benzo(a)pyrene	41.8 U	192	41.8	1	12/19/12 04:29	12/6/12	
Benzo(b)fluoranthene	29.4 U	192	29.4	1	12/19/12 04:29	12/6/12	
Benzo(g,h,i)perylene	58.7 U	192	58.7	1	12/19/12 04:29	12/6/12	
Benzo(k)fluoranthene	66.6 U	192	66.6	1	12/19/12 04:29	12/6/12	
Benzyl Alcohol	42.9 U	384	42.9	1	12/19/12 04:29	12/6/12	
Bis(2-chloroethoxy)methane	59.8 U	192	59.8	1	12/19/12 04:29	12/6/12	
Bis(2-chloroethyl) Ether	47.4 U	192	47.4	1	12/19/12 04:29	12/6/12	
Bis(2-chloroisopropyl) Ether	39.5 U	192	39.5	1	12/19/12 04:29	12/6/12	
Bis(2-ethylhexyl) Phthalate	49.7 U	192	49.7	1	12/19/12 04:29	12/6/12	
Butyl Benzyl Phthalate	53.1 U	384	53.1	1	12/19/12 04:29	12/6/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 11:15
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB02-0305-121212	**Units:**	ug/Kg
Lab Code:	J1206127-004	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	64.4 U	192	64.4	1	12/19/12 04:29	12/6/12	
Chrysene	50.8 U	192	50.8	1	12/19/12 04:29	12/6/12	
Dibenz(a,h)anthracene	51.9 U	192	51.9	1	12/19/12 04:29	12/6/12	
Dibenzofuran	51.9 U	192	51.9	1	12/19/12 04:29	12/6/12	
Diethyl Phthalate	57.6 U	192	57.6	1	12/19/12 04:29	12/6/12	
Dimethyl Phthalate	59.8 U	192	59.8	1	12/19/12 04:29	12/6/12	
Di-n-butyl Phthalate	38.4 U	192	38.4	1	12/19/12 04:29	12/6/12	
Di-n-octyl Phthalate	58.7 U	192	58.7	1	12/19/12 04:29	12/6/12	
Diphenylamine + n-Nitrosodiphenylamine	41.8 U	192	41.8	1	12/19/12 04:29	12/6/12	
Fluoranthene	54.2 U	192	54.2	1	12/19/12 04:29	12/6/12	
Fluorene	53.1 U	192	53.1	1	12/19/12 04:29	12/6/12	
Hexachlorobenzene	54.2 U	192	54.2	1	12/19/12 04:29	12/6/12	
Hexachlorobutadiene	62.1 U	192	62.1	1	12/19/12 04:29	12/6/12	
Hexachlorocyclopentadiene	38.4 U	192	38.4	1	12/19/12 04:29	12/6/12	
Hexachloroethane	35.0 U	192	35.0	1	12/19/12 04:29	12/6/12	
Indeno(1,2,3-cd)pyrene	46.3 U	192	46.3	1	12/19/12 04:29	12/6/12	
Isophorone	65.5 U	192	65.5	1	12/19/12 04:29	12/6/12	
Naphthalene	55.3 U	192	55.3	1	12/19/12 04:29	12/6/12	
Nitrobenzene	44.0 U	192	44.0	1	12/19/12 04:29	12/6/12	
N-Nitrosodi-n-propylamine	56.5 U	192	56.5	1	12/19/12 04:29	12/6/12	
Pentachlorophenol (PCP)	39.5 U	756	39.5	1	12/19/12 04:29	12/6/12	
Phenanthrene	47.4 U	192	47.4	1	12/19/12 04:29	12/6/12	
Phenol	51.9 U	192	51.9	1	12/19/12 04:29	12/6/12	
Pyrene	51.9 U	192	51.9	1	12/19/12 04:29	12/6/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	70	28 - 164	12/19/12 04:29	
2-Fluorobiphenyl	74	33 - 133	12/19/12 04:29	
2-Fluorophenol	60	10 - 126	12/19/12 04:29	
Nitrobenzene-d5	63	25 - 138	12/19/12 04:29	
Phenol-d6	66	10 - 170	12/19/12 04:29	
p-Terphenyl-d14	81	16 - 168	12/19/12 04:29	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 11:15
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB02-0305-121212	**Units:**	mg/Kg
Lab Code:	J1206127-004	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**40.1**	22.7	2.28	1	12/15/12 14:08	12/14/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	62	62 - 109	12/15/12 14:08	
n-Nonatriacontane	77	60 - 118	12/15/12 14:08	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 11:20
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB02-0507-121212	**Units:**	ug/Kg
Lab Code:	J1206127-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	69.4 U	187	69.4	1	12/19/12 05:06	12/6/12	
1,2-Dichlorobenzene	35.3 U	187	35.3	1	12/19/12 05:06	12/6/12	
1,3-Dichlorobenzene	41.9 U	187	41.9	1	12/19/12 05:06	12/6/12	
1,4-Dichlorobenzene	45.2 U	187	45.2	1	12/19/12 05:06	12/6/12	
1-Methylnaphthalene	72.7 U	187	72.7	1	12/19/12 05:06	12/6/12	
2,4,5-Trichlorophenol	62.8 U	187	62.8	1	12/19/12 05:06	12/6/12	
2,4,6-Trichlorophenol	55.1 U	187	55.1	1	12/19/12 05:06	12/6/12	
2,4-Dichlorophenol	69.4 U	187	69.4	1	12/19/12 05:06	12/6/12	
2,4-Dimethylphenol	91.4 U	187	91.4	1	12/19/12 05:06	12/6/12	
2,4-Dinitrophenol	25.4 U	737	25.4	1	12/19/12 05:06	12/6/12	
2,4-Dinitrotoluene	45.2 U	187	45.2	1	12/19/12 05:06	12/6/12	
2,6-Dinitrotoluene	52.9 U	187	52.9	1	12/19/12 05:06	12/6/12	
2-Chloronaphthalene	47.4 U	187	47.4	1	12/19/12 05:06	12/6/12	
2-Chlorophenol	38.6 U	187	38.6	1	12/19/12 05:06	12/6/12	
2-Methylnaphthalene	65.0 U	187	65.0	1	12/19/12 05:06	12/6/12	
2-Methylphenol	52.9 U	187	52.9	1	12/19/12 05:06	12/6/12	
2-Nitroaniline	56.2 U	187	56.2	1	12/19/12 05:06	12/6/12	
2-Nitrophenol	57.3 U	737	57.3	1	12/19/12 05:06	12/6/12	
3- and 4-Methylphenol Coelution	47.4 U	187	47.4	1	12/19/12 05:06	12/6/12	
3,3'-Dichlorobenzidine	93.6 U	737	93.6	1	12/19/12 05:06	12/6/12	
3-Nitroaniline	56.2 U	187	56.2	1	12/19/12 05:06	12/6/12	
4,6-Dinitro-2-methylphenol	52.9 U	187	52.9	1	12/19/12 05:06	12/6/12	
4-Bromophenyl Phenyl Ether	57.3 U	187	57.3	1	12/19/12 05:06	12/6/12	
4-Chloro-3-methylphenol	58.4 U	187	58.4	1	12/19/12 05:06	12/6/12	
4-Chloroaniline	76.0 U	187	76.0	1	12/19/12 05:06	12/6/12	
4-Chlorophenyl Phenyl Ether	57.3 U	187	57.3	1	12/19/12 05:06	12/6/12	
4-Nitroaniline	60.6 U	187	60.6	1	12/19/12 05:06	12/6/12	
4-Nitrophenol	61.7 U	737	61.7	1	12/19/12 05:06	12/6/12	
Acenaphthene	58.4 U	187	58.4	1	12/19/12 05:06	12/6/12	
Acenaphthylene	51.8 U	187	51.8	1	12/19/12 05:06	12/6/12	
Acetophenone	50.7 U	374	50.7	1	12/19/12 05:06	12/6/12	
Anthracene	47.4 U	187	47.4	1	12/19/12 05:06	12/6/12	
Benz(a)anthracene	51.8 U	187	51.8	1	12/19/12 05:06	12/6/12	
Benzo(a)pyrene	40.8 U	187	40.8	1	12/19/12 05:06	12/6/12	
Benzo(b)fluoranthene	28.7 U	187	28.7	1	12/19/12 05:06	12/6/12	
Benzo(g,h,i)perylene	57.3 U	187	57.3	1	12/19/12 05:06	12/6/12	
Benzo(k)fluoranthene	65.0 U	187	65.0	1	12/19/12 05:06	12/6/12	
Benzyl Alcohol	41.9 U	374	41.9	1	12/19/12 05:06	12/6/12	
Bis(2-chloroethoxy)methane	58.4 U	187	58.4	1	12/19/12 05:06	12/6/12	
Bis(2-chloroethyl) Ether	46.3 U	187	46.3	1	12/19/12 05:06	12/6/12	
Bis(2-chloroisopropyl) Ether	38.6 U	187	38.6	1	12/19/12 05:06	12/6/12	
Bis(2-ethylhexyl) Phthalate	48.5 U	187	48.5	1	12/19/12 05:06	12/6/12	
Butyl Benzyl Phthalate	51.8 U	374	51.8	1	12/19/12 05:06	12/6/12	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 11:20
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB02-0507-121212	**Units:**	ug/Kg
Lab Code:	J1206127-005	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	62.8 U	187	62.8	1	12/19/12 05:06	12/6/12	
Chrysene	49.6 U	187	49.6	1	12/19/12 05:06	12/6/12	
Dibenz(a,h)anthracene	50.7 U	187	50.7	1	12/19/12 05:06	12/6/12	
Dibenzofuran	50.7 U	187	50.7	1	12/19/12 05:06	12/6/12	
Diethyl Phthalate	56.2 U	187	56.2	1	12/19/12 05:06	12/6/12	
Dimethyl Phthalate	58.4 U	187	58.4	1	12/19/12 05:06	12/6/12	
Di-n-butyl Phthalate	37.5 U	187	37.5	1	12/19/12 05:06	12/6/12	
Di-n-octyl Phthalate	57.3 U	187	57.3	1	12/19/12 05:06	12/6/12	
Diphenylamine + n-Nitrosodiphenylamine	40.8 U	187	40.8	1	12/19/12 05:06	12/6/12	
Fluoranthene	52.9 U	187	52.9	1	12/19/12 05:06	12/6/12	
Fluorene	51.8 U	187	51.8	1	12/19/12 05:06	12/6/12	
Hexachlorobenzene	52.9 U	187	52.9	1	12/19/12 05:06	12/6/12	
Hexachlorobutadiene	60.6 U	187	60.6	1	12/19/12 05:06	12/6/12	
Hexachlorocyclopentadiene	37.5 U	187	37.5	1	12/19/12 05:06	12/6/12	
Hexachloroethane	34.2 U	187	34.2	1	12/19/12 05:06	12/6/12	
Indeno(1,2,3-cd)pyrene	45.2 U	187	45.2	1	12/19/12 05:06	12/6/12	
Isophorone	63.9 U	187	63.9	1	12/19/12 05:06	12/6/12	
Naphthalene	54.0 U	187	54.0	1	12/19/12 05:06	12/6/12	
Nitrobenzene	43.0 U	187	43.0	1	12/19/12 05:06	12/6/12	
N-Nitrosodi-n-propylamine	55.1 U	187	55.1	1	12/19/12 05:06	12/6/12	
Pentachlorophenol (PCP)	38.6 U	737	38.6	1	12/19/12 05:06	12/6/12	
Phenanthrene	46.3 U	187	46.3	1	12/19/12 05:06	12/6/12	
Phenol	50.7 U	187	50.7	1	12/19/12 05:06	12/6/12	
Pyrene	50.7 U	187	50.7	1	12/19/12 05:06	12/6/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	60	28 - 164	12/19/12 05:06	
2-Fluorobiphenyl	62	33 - 133	12/19/12 05:06	
2-Fluorophenol	53	10 - 126	12/19/12 05:06	
Nitrobenzene-d5	55	25 - 138	12/19/12 05:06	
Phenol-d6	58	10 - 170	12/19/12 05:06	
p-Terphenyl-d14	64	16 - 168	12/19/12 05:06	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 11:20
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB02-0507-121212	**Units:**	mg/Kg
Lab Code:	J1206127-005	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**46.0**	21.0	2.11	1	12/15/12 14:36	12/14/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	96	62 - 109	12/15/12 14:36	
n-Nonatriacontane	99	60 - 118	12/15/12 14:36	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 11:50
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB04-0103-121212	**Units:**	ug/Kg
Lab Code:	J1206127-006	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.70 U	3.09	2.70	1	12/21/12 01:29	12/20/12	
2-Methylnaphthalene	2.30 U	3.09	2.30	1	12/21/12 01:29	12/20/12	
Acenaphthene	3.10 U	6.18	3.10	1	12/21/12 01:29	12/20/12	
Acenaphthylene	2.20 U	6.18	2.20	1	12/21/12 01:29	12/20/12	
Anthracene	1.60 U	3.09	1.60	1	12/21/12 01:29	12/20/12	
Benz(a)anthracene	1.90 U	3.09	1.90	1	12/21/12 01:29	12/20/12	
Benzo(a)pyrene	1.00 U	3.09	1.00	1	12/21/12 01:29	12/20/12	
Benzo(b)fluoranthene	2.00 U	3.09	2.00	1	12/21/12 01:29	12/20/12	
Benzo(g,h,i)perylene	2.20 U	3.09	2.20	1	12/21/12 01:29	12/20/12	
Benzo(k)fluoranthene	2.40 U	3.09	2.40	1	12/21/12 01:29	12/20/12	
Chrysene	1.90 U	3.09	1.90	1	12/21/12 01:29	12/20/12	
Dibenz(a,h)anthracene	2.70 U	3.09	2.70	1	12/21/12 01:29	12/20/12	
Fluoranthene	2.00 U	3.09	2.00	1	12/21/12 01:29	12/20/12	
Fluorene	2.20 U	3.09	2.20	1	12/21/12 01:29	12/20/12	
Indeno(1,2,3-cd)pyrene	2.20 U	3.09	2.20	1	12/21/12 01:29	12/20/12	
Naphthalene	3.10 U	3.10	3.10	1	12/21/12 01:29	12/20/12	
Phenanthrene	1.70 U	6.18	1.70	1	12/21/12 01:29	12/20/12	
Pyrene	2.00 U	3.09	2.00	1	12/21/12 01:29	12/20/12	
Bis(2-ethylhexyl) Phthalate	30.3 U	30.3	-	1	12/21/12 01:29	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	32	30 - 118	12/21/12 01:29	
p-Terphenyl-d14	41	41 - 146	12/21/12 01:29	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 11:50
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB04-0103-121212	**Units:**	mg/Kg
Lab Code:	J1206127-006	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.00 U	19.0	2.00	1	12/19/12 20:53	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	101	62 - 109	12/19/12 20:53	
n-Nonatriacontane	102	60 - 118	12/19/12 20:53	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:00
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB04-0305-121212	**Units:**	ug/Kg
Lab Code:	J1206127-007	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.98 U	3.74	2.98	1	12/21/12 01:53	12/20/12	
2-Methylnaphthalene	2.54 U	3.74	2.54	1	12/21/12 01:53	12/20/12	
Acenaphthene	3.42 U	7.48	3.42	1	12/21/12 01:53	12/20/12	
Acenaphthylene	2.43 U	7.48	2.43	1	12/21/12 01:53	12/20/12	
Anthracene	1.77 U	3.74	1.77	1	12/21/12 01:53	12/20/12	
Benz(a)anthracene	2.10 U	3.74	2.10	1	12/21/12 01:53	12/20/12	
Benzo(a)pyrene	1.11 U	3.74	1.11	1	12/21/12 01:53	12/20/12	
Benzo(b)fluoranthene	2.21 U	3.74	2.21	1	12/21/12 01:53	12/20/12	
Benzo(g,h,i)perylene	2.43 U	3.74	2.43	1	12/21/12 01:53	12/20/12	
Benzo(k)fluoranthene	2.65 U	3.74	2.65	1	12/21/12 01:53	12/20/12	
Chrysene	2.10 U	3.74	2.10	1	12/21/12 01:53	12/20/12	
Dibenz(a,h)anthracene	2.98 U	3.74	2.98	1	12/21/12 01:53	12/20/12	
Fluoranthene	2.21 U	3.74	2.21	1	12/21/12 01:53	12/20/12	
Fluorene	2.43 U	3.74	2.43	1	12/21/12 01:53	12/20/12	
Indeno(1,2,3-cd)pyrene	2.43 U	3.74	2.43	1	12/21/12 01:53	12/20/12	
Naphthalene	3.42 U	3.74	3.42	1	12/21/12 01:53	12/20/12	
Phenanthrene	1.88 U	7.48	1.88	1	12/21/12 01:53	12/20/12	
Pyrene	2.21 U	3.74	2.21	1	12/21/12 01:53	12/20/12	
Bis(2-ethylhexyl) Phthalate	36.8 U	36.8	-	1	12/21/12 01:53	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	62	30 - 118	12/21/12 01:53	
p-Terphenyl-d14	67	41 - 146	12/21/12 01:53	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:00
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB04-0305-121212	**Units:**	mg/Kg
Lab Code:	J1206127-007	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.03 U	20.3	2.03	1	12/19/12 21:23	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	102	62 - 109	12/19/12 21:23	
n-Nonatriacontane	108	60 - 118	12/19/12 21:23	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:05
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB04-0507-121212	**Units:**	ug/Kg
Lab Code:	J1206127-008	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.86 U	3.60	2.86	1	12/21/12 02:18	12/20/12	
2-Methylnaphthalene	2.44 U	3.60	2.44	1	12/21/12 02:18	12/20/12	
Acenaphthene	3.29 U	7.20	3.29	1	12/21/12 02:18	12/20/12	
Acenaphthylene	2.34 U	7.20	2.34	1	12/21/12 02:18	12/20/12	
Anthracene	1.70 U	3.60	1.70	1	12/21/12 02:18	12/20/12	
Benz(a)anthracene	2.02 U	3.60	2.02	1	12/21/12 02:18	12/20/12	
Benzo(a)pyrene	1.06 U	3.60	1.06	1	12/21/12 02:18	12/20/12	
Benzo(b)fluoranthene	2.12 U	3.60	2.12	1	12/21/12 02:18	12/20/12	
Benzo(g,h,i)perylene	2.34 U	3.60	2.34	1	12/21/12 02:18	12/20/12	
Benzo(k)fluoranthene	2.55 U	3.60	2.55	1	12/21/12 02:18	12/20/12	
Chrysene	2.02 U	3.60	2.02	1	12/21/12 02:18	12/20/12	
Dibenz(a,h)anthracene	2.86 U	3.60	2.86	1	12/21/12 02:18	12/20/12	
Fluoranthene	2.12 U	3.60	2.12	1	12/21/12 02:18	12/20/12	
Fluorene	2.34 U	3.60	2.34	1	12/21/12 02:18	12/20/12	
Indeno(1,2,3-cd)pyrene	2.34 U	3.60	2.34	1	12/21/12 02:18	12/20/12	
Naphthalene	3.29 U	3.60	3.29	1	12/21/12 02:18	12/20/12	
Phenanthrene	**14.5**	7.20	1.81	1	12/21/12 02:18	12/20/12	
Pyrene	2.12 U	3.60	2.12	1	12/21/12 02:18	12/20/12	
Bis(2-ethylhexyl) Phthalate	35.4 U	35.4	-	1	12/21/12 02:18	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	56	30 - 118	12/21/12 02:18	
p-Terphenyl-d14	53	41 - 146	12/21/12 02:18	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:05
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB04-0507-121212	**Units:**	mg/Kg
Lab Code:	J1206127-008	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.23 U	22.3	2.23	1	12/19/12 21:53	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	104	62 - 109	12/19/12 21:53	
n-Nonatriacontane	109	60 - 118	12/19/12 21:53	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:30
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB05-0103-121212	**Units:**	ug/Kg
Lab Code:	J1206127-009	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.74 U	3.45	2.74	1	12/21/12 02:42	12/20/12	
2-Methylnaphthalene	2.34 U	3.45	2.34	1	12/21/12 02:42	12/20/12	
Acenaphthene	3.15 U	6.90	3.15	1	12/21/12 02:42	12/20/12	
Acenaphthylene	2.24 U	6.90	2.24	1	12/21/12 02:42	12/20/12	
Anthracene	1.63 U	3.45	1.63	1	12/21/12 02:42	12/20/12	
Benz(a)anthracene	1.93 U	3.45	1.93	1	12/21/12 02:42	12/20/12	
Benzo(a)pyrene	1.02 U	3.45	1.02	1	12/21/12 02:42	12/20/12	
Benzo(b)fluoranthene	2.03 U	3.45	2.03	1	12/21/12 02:42	12/20/12	
Benzo(g,h,i)perylene	2.24 U	3.45	2.24	1	12/21/12 02:42	12/20/12	
Benzo(k)fluoranthene	2.44 U	3.45	2.44	1	12/21/12 02:42	12/20/12	
Chrysene	1.93 U	3.45	1.93	1	12/21/12 02:42	12/20/12	
Dibenz(a,h)anthracene	2.74 U	3.45	2.74	1	12/21/12 02:42	12/20/12	
Fluoranthene	2.03 U	3.45	2.03	1	12/21/12 02:42	12/20/12	
Fluorene	2.24 U	3.45	2.24	1	12/21/12 02:42	12/20/12	
Indeno(1,2,3-cd)pyrene	2.24 U	3.45	2.24	1	12/21/12 02:42	12/20/12	
Naphthalene	3.15 U	3.45	3.15	1	12/21/12 02:42	12/20/12	
Phenanthrene	1.73 U	6.90	1.73	1	12/21/12 02:42	12/20/12	
Pyrene	2.03 U	3.45	2.03	1	12/21/12 02:42	12/20/12	
Bis(2-ethylhexyl) Phthalate	33.9 U	33.9	-	1	12/21/12 02:42	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	44	30 - 118	12/21/12 02:42	
p-Terphenyl-d14	52	41 - 146	12/21/12 02:42	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:30
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB05-0103-121212	**Units:**	mg/Kg
Lab Code:	J1206127-009	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**2.54 I**	21.3	2.13	1	12/19/12 22:52	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	104	62 - 109	12/19/12 22:52	
n-Nonatriacontane	105	60 - 118	12/19/12 22:52	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:40
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB05-0305-121212	**Units:**	ug/Kg
Lab Code:	J1206127-010	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.82 U	3.55	2.82	1	12/21/12 03:06	12/20/12	
2-Methylnaphthalene	2.40 U	3.55	2.40	1	12/21/12 03:06	12/20/12	
Acenaphthene	3.24 U	7.09	3.24	1	12/21/12 03:06	12/20/12	
Acenaphthylene	2.30 U	7.09	2.30	1	12/21/12 03:06	12/20/12	
Anthracene	1.67 U	3.55	1.67	1	12/21/12 03:06	12/20/12	
Benz(a)anthracene	1.99 U	3.55	1.99	1	12/21/12 03:06	12/20/12	
Benzo(a)pyrene	1.05 U	3.55	1.05	1	12/21/12 03:06	12/20/12	
Benzo(b)fluoranthene	2.09 U	3.55	2.09	1	12/21/12 03:06	12/20/12	
Benzo(g,h,i)perylene	2.30 U	3.55	2.30	1	12/21/12 03:06	12/20/12	
Benzo(k)fluoranthene	2.51 U	3.55	2.51	1	12/21/12 03:06	12/20/12	
Chrysene	1.99 U	3.55	1.99	1	12/21/12 03:06	12/20/12	
Dibenz(a,h)anthracene	2.82 U	3.55	2.82	1	12/21/12 03:06	12/20/12	
Fluoranthene	2.09 U	3.55	2.09	1	12/21/12 03:06	12/20/12	
Fluorene	2.30 U	3.55	2.30	1	12/21/12 03:06	12/20/12	
Indeno(1,2,3-cd)pyrene	2.30 U	3.55	2.30	1	12/21/12 03:06	12/20/12	
Naphthalene	3.24 U	3.55	3.24	1	12/21/12 03:06	12/20/12	
Phenanthrene	1.78 U	7.09	1.78	1	12/21/12 03:06	12/20/12	
Pyrene	2.09 U	3.55	2.09	1	12/21/12 03:06	12/20/12	
Bis(2-ethylhexyl) Phthalate	34.8 U	34.8	-	1	12/21/12 03:06	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	45	30 - 118	12/21/12 03:06	
p-Terphenyl-d14	53	41 - 146	12/21/12 03:06	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:40
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB05-0305-121212	**Units:**	mg/Kg
Lab Code:	J1206127-010	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.20 U	21.9	2.20	1	12/19/12 23:22	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	90	62 - 109	12/19/12 23:22	
n-Nonatriacontane	101	60 - 118	12/19/12 23:22	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:45
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB05-0507-121212	**Units:**	ug/Kg
Lab Code:	J1206127-011	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.70 U	3.21	2.70	1	12/21/12 03:30	12/20/12	
2-Methylnaphthalene	2.30 U	3.21	2.30	1	12/21/12 03:30	12/20/12	
Acenaphthene	3.10 U	6.41	3.10	1	12/21/12 03:30	12/20/12	
Acenaphthylene	2.20 U	6.41	2.20	1	12/21/12 03:30	12/20/12	
Anthracene	1.60 U	3.21	1.60	1	12/21/12 03:30	12/20/12	
Benz(a)anthracene	1.90 U	3.21	1.90	1	12/21/12 03:30	12/20/12	
Benzo(a)pyrene	1.00 U	3.21	1.00	1	12/21/12 03:30	12/20/12	
Benzo(b)fluoranthene	2.00 U	3.21	2.00	1	12/21/12 03:30	12/20/12	
Benzo(g,h,i)perylene	2.20 U	3.21	2.20	1	12/21/12 03:30	12/20/12	
Benzo(k)fluoranthene	2.40 U	3.21	2.40	1	12/21/12 03:30	12/20/12	
Chrysene	1.90 U	3.21	1.90	1	12/21/12 03:30	12/20/12	
Dibenz(a,h)anthracene	2.70 U	3.21	2.70	1	12/21/12 03:30	12/20/12	
Fluoranthene	2.00 U	3.21	2.00	1	12/21/12 03:30	12/20/12	
Fluorene	2.20 U	3.21	2.20	1	12/21/12 03:30	12/20/12	
Indeno(1,2,3-cd)pyrene	2.20 U	3.21	2.20	1	12/21/12 03:30	12/20/12	
Naphthalene	3.10 U	3.21	3.10	1	12/21/12 03:30	12/20/12	
Phenanthrene	1.70 U	6.41	1.70	1	12/21/12 03:30	12/20/12	
Pyrene	2.00 U	3.21	2.00	1	12/21/12 03:30	12/20/12	
Bis(2-ethylhexyl) Phthalate	31.5 U	31.5	-	1	12/21/12 03:30	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	63	30 - 118	12/21/12 03:30	
p-Terphenyl-d14	66	41 - 146	12/21/12 03:30	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 12:45
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB05-0507-121212	**Units:**	mg/Kg
Lab Code:	J1206127-011	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.01 U	20.0	2.01	1	12/19/12 23:52	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	86	62 - 109	12/19/12 23:52	
n-Nonatriacontane	91	60 - 118	12/19/12 23:52	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 13:40
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB06-0103-121212	**Units:**	ug/Kg
Lab Code:	J1206127-012	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.73 U	3.43	2.73	1	12/21/12 03:54	12/20/12	
2-Methylnaphthalene	2.32 U	3.43	2.32	1	12/21/12 03:54	12/20/12	
Acenaphthene	**3.35 I**	6.85	3.13	1	12/21/12 03:54	12/20/12	
Acenaphthylene	2.22 U	6.85	2.22	1	12/21/12 03:54	12/20/12	
Anthracene	**7.03**	3.43	1.62	1	12/21/12 03:54	12/20/12	
Benz(a)anthracene	1.92 U	3.43	1.92	1	12/21/12 03:54	12/20/12	
Benzo(a)pyrene	1.01 U	3.43	1.01	1	12/21/12 16:09	12/20/12	
Benzo(b)fluoranthene	2.02 U	3.43	2.02	1	12/21/12 16:09	12/20/12	
Benzo(g,h,i)perylene	2.22 U	3.43	2.22	1	12/21/12 16:09	12/20/12	
Benzo(k)fluoranthene	2.42 U	3.43	2.42	1	12/21/12 16:09	12/20/12	
Chrysene	1.92 U	3.43	1.92	1	12/21/12 03:54	12/20/12	
Dibenz(a,h)anthracene	2.73 U	3.43	2.73	1	12/21/12 16:09	12/20/12	
Fluoranthene	**4.98**	3.43	2.02	1	12/21/12 03:54	12/20/12	
Fluorene	**9.37**	3.43	2.22	1	12/21/12 03:54	12/20/12	
Indeno(1,2,3-cd)pyrene	2.22 U	3.43	2.22	1	12/21/12 16:09	12/20/12	
Naphthalene	3.13 U	3.43	3.13	1	12/21/12 03:54	12/20/12	
Phenanthrene	**31.3**	6.85	1.72	1	12/21/12 03:54	12/20/12	
Pyrene	2.02 U	3.43	2.02	1	12/21/12 03:54	12/20/12	
Bis(2-ethylhexyl) Phthalate	33.7 U	33.7	-	1	12/21/12 03:54	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	38	30 - 118	12/21/12 03:54	
p-Terphenyl-d14	44	41 - 146	12/21/12 03:54	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 13:40
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB06-0103-121212	**Units:**	mg/Kg
Lab Code:	J1206127-012	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.17 U	21.6	2.17	1	12/20/12 00:22	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	91	62 - 109	12/20/12 00:22	
n-Nonatriacontane	99	60 - 118	12/20/12 00:22	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 13:45
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB06-0305-121212	**Units:**	ug/Kg
Lab Code:	J1206127-013	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.72 U	3.42	2.72	1	12/21/12 04:18	12/20/12	
2-Methylnaphthalene	2.32 U	3.42	2.32	1	12/21/12 04:18	12/20/12	
Acenaphthene	3.12 U	6.84	3.12	1	12/21/12 04:18	12/20/12	
Acenaphthylene	2.22 U	6.84	2.22	1	12/21/12 04:18	12/20/12	
Anthracene	1.61 U	3.42	1.61	1	12/21/12 04:18	12/20/12	
Benz(a)anthracene	1.92 U	3.42	1.92	1	12/21/12 04:18	12/20/12	
Benzo(a)pyrene	1.01 U	3.42	1.01	1	12/21/12 04:18	12/20/12	
Benzo(b)fluoranthene	2.02 U	3.42	2.02	1	12/21/12 04:18	12/20/12	
Benzo(g,h,i)perylene	2.22 U	3.42	2.22	1	12/21/12 04:18	12/20/12	
Benzo(k)fluoranthene	2.42 U	3.42	2.42	1	12/21/12 04:18	12/20/12	
Chrysene	1.92 U	3.42	1.92	1	12/21/12 04:18	12/20/12	
Dibenz(a,h)anthracene	2.72 U	3.42	2.72	1	12/21/12 04:18	12/20/12	
Fluoranthene	2.02 U	3.42	2.02	1	12/21/12 04:18	12/20/12	
Fluorene	2.22 U	3.42	2.22	1	12/21/12 04:18	12/20/12	
Indeno(1,2,3-cd)pyrene	2.22 U	3.42	2.22	1	12/21/12 04:18	12/20/12	
Naphthalene	3.12 U	3.42	3.12	1	12/21/12 04:18	12/20/12	
Phenanthrene	1.71 U	6.84	1.71	1	12/21/12 04:18	12/20/12	
Pyrene	2.02 U	3.42	2.02	1	12/21/12 04:18	12/20/12	
Bis(2-ethylhexyl) Phthalate	33.6 U	33.6	-	1	12/21/12 04:18	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	46	30 - 118	12/21/12 04:18	
p-Terphenyl-d14	51	41 - 146	12/21/12 04:18	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 13:45
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB06-0305-121212	**Units:**	mg/Kg
Lab Code:	J1206127-013	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.16 U	21.6	2.16	1	12/20/12 00:52	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	91	62 - 109	12/20/12 00:52	
n-Nonatriacontane	102	60 - 118	12/20/12 00:52	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 13:50
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB06-0507-121212	**Units:**	ug/Kg
Lab Code:	J1206127-014	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.70 U	3.31	2.70	1	12/21/12 04:43	12/20/12	
2-Methylnaphthalene	2.30 U	3.31	2.30	1	12/21/12 04:43	12/20/12	
Acenaphthene	3.10 U	6.61	3.10	1	12/21/12 04:43	12/20/12	
Acenaphthylene	2.20 U	6.61	2.20	1	12/21/12 04:43	12/20/12	
Anthracene	1.60 U	3.31	1.60	1	12/21/12 04:43	12/20/12	
Benz(a)anthracene	1.90 U	3.31	1.90	1	12/21/12 04:43	12/20/12	
Benzo(a)pyrene	1.00 U	3.31	1.00	1	12/21/12 04:43	12/20/12	
Benzo(b)fluoranthene	2.00 U	3.31	2.00	1	12/21/12 04:43	12/20/12	
Benzo(g,h,i)perylene	2.20 U	3.31	2.20	1	12/21/12 04:43	12/20/12	
Benzo(k)fluoranthene	2.40 U	3.31	2.40	1	12/21/12 04:43	12/20/12	
Chrysene	1.90 U	3.31	1.90	1	12/21/12 04:43	12/20/12	
Dibenz(a,h)anthracene	2.70 U	3.31	2.70	1	12/21/12 04:43	12/20/12	
Fluoranthene	2.00 U	3.31	2.00	1	12/21/12 04:43	12/20/12	
Fluorene	2.20 U	3.31	2.20	1	12/21/12 04:43	12/20/12	
Indeno(1,2,3-cd)pyrene	2.20 U	3.31	2.20	1	12/21/12 04:43	12/20/12	
Naphthalene	3.10 U	3.31	3.10	1	12/21/12 04:43	12/20/12	
Phenanthrene	1.70 U	6.61	1.70	1	12/21/12 04:43	12/20/12	
Pyrene	2.00 U	3.31	2.00	1	12/21/12 04:43	12/20/12	
Bis(2-ethylhexyl) Phthalate	32.5 U	32.5	-	1	12/21/12 04:43	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	56	30 - 118	12/21/12 04:43	
p-Terphenyl-d14	57	41 - 146	12/21/12 04:43	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 13:50
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB06-0507-121212	**Units:**	mg/Kg
Lab Code:	J1206127-014	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.00 U	19.8	2.00	1	12/20/12 01:22	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	98	62 - 109	12/20/12 01:22	
n-Nonatriacontane	110	60 - 118	12/20/12 01:22	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 14:25
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB07-0103-121212	**Units:**	ug/Kg
Lab Code:	J1206127-015	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.76 U	3.46	2.76	1	12/21/12 05:07	12/20/12	
2-Methylnaphthalene	2.35 U	3.46	2.35	1	12/21/12 05:07	12/20/12	
Acenaphthene	3.16 U	6.93	3.16	1	12/21/12 05:07	12/20/12	
Acenaphthylene	2.25 U	6.93	2.25	1	12/21/12 05:07	12/20/12	
Anthracene	1.63 U	3.46	1.63	1	12/21/12 05:07	12/20/12	
Benz(a)anthracene	1.94 U	3.46	1.94	1	12/21/12 05:07	12/20/12	
Benzo(a)pyrene	1.02 U	3.46	1.02	1	12/21/12 05:07	12/20/12	
Benzo(b)fluoranthene	2.04 U	3.46	2.04	1	12/21/12 05:07	12/20/12	
Benzo(g,h,i)perylene	2.25 U	3.46	2.25	1	12/21/12 05:07	12/20/12	
Benzo(k)fluoranthene	2.45 U	3.46	2.45	1	12/21/12 05:07	12/20/12	
Chrysene	1.94 U	3.46	1.94	1	12/21/12 05:07	12/20/12	
Dibenz(a,h)anthracene	2.76 U	3.46	2.76	1	12/21/12 05:07	12/20/12	
Fluoranthene	2.04 U	3.46	2.04	1	12/21/12 05:07	12/20/12	
Fluorene	2.25 U	3.46	2.25	1	12/21/12 05:07	12/20/12	
Indeno(1,2,3-cd)pyrene	2.25 U	3.46	2.25	1	12/21/12 05:07	12/20/12	
Naphthalene	3.16 U	3.46	3.16	1	12/21/12 05:07	12/20/12	
Phenanthrene	1.74 U	6.93	1.74	1	12/21/12 05:07	12/20/12	
Pyrene	2.04 U	3.46	2.04	1	12/21/12 05:07	12/20/12	
Bis(2-ethylhexyl) Phthalate	34.0 U	34.0	-	1	12/21/12 05:07	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	61	30 - 118	12/21/12 05:07	
p-Terphenyl-d14	64	41 - 146	12/21/12 05:07	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 14:25
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB07-0103-121212	**Units:**	mg/Kg
Lab Code:	J1206127-015	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.04 U	20.3	2.04	1	12/20/12 01:52	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	77	62 - 109	12/20/12 01:52	
n-Nonatriacontane	100	60 - 118	12/20/12 01:52	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 14:30
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB07-0305-121212	**Units:**	ug/Kg
Lab Code:	J1206127-016	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.74 U	3.45	2.74	1	12/21/12 05:31	12/20/12	
2-Methylnaphthalene	2.34 U	3.45	2.34	1	12/21/12 05:31	12/20/12	
Acenaphthene	3.15 U	6.90	3.15	1	12/21/12 05:31	12/20/12	
Acenaphthylene	2.24 U	6.90	2.24	1	12/21/12 05:31	12/20/12	
Anthracene	1.63 U	3.45	1.63	1	12/21/12 05:31	12/20/12	
Benz(a)anthracene	1.93 U	3.45	1.93	1	12/21/12 05:31	12/20/12	
Benzo(a)pyrene	1.02 U	3.45	1.02	1	12/21/12 05:31	12/20/12	
Benzo(b)fluoranthene	2.03 U	3.45	2.03	1	12/21/12 05:31	12/20/12	
Benzo(g,h,i)perylene	2.24 U	3.45	2.24	1	12/21/12 05:31	12/20/12	
Benzo(k)fluoranthene	2.44 U	3.45	2.44	1	12/21/12 05:31	12/20/12	
Chrysene	1.93 U	3.45	1.93	1	12/21/12 05:31	12/20/12	
Dibenz(a,h)anthracene	2.74 U	3.45	2.74	1	12/21/12 05:31	12/20/12	
Fluoranthene	2.03 U	3.45	2.03	1	12/21/12 05:31	12/20/12	
Fluorene	2.24 U	3.45	2.24	1	12/21/12 05:31	12/20/12	
Indeno(1,2,3-cd)pyrene	2.24 U	3.45	2.24	1	12/21/12 05:31	12/20/12	
Naphthalene	3.15 U	3.45	3.15	1	12/21/12 05:31	12/20/12	
Phenanthrene	1.73 U	6.90	1.73	1	12/21/12 05:31	12/20/12	
Pyrene	2.03 U	3.45	2.03	1	12/21/12 05:31	12/20/12	
Bis(2-ethylhexyl) Phthalate	33.9 U	33.9	-	1	12/21/12 05:31	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	30	30 - 118	12/21/12 05:31	
p-Terphenyl-d14	36	41 - 146	12/21/12 05:31	*

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 14:30
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB07-0305-121212	**Units:**	mg/Kg
Lab Code:	J1206127-016	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.12 U	21.1	2.12	1	12/20/12 02:22	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	94	62 - 109	12/20/12 02:22	
n-Nonatriacontane	99	60 - 118	12/20/12 02:22	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 14:35
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB07-0507-121212	**Units:**	ug/Kg
Lab Code:	J1206127-017	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.95 U	3.70	2.95	1	12/21/12 05:55	12/20/12	
2-Methylnaphthalene	2.51 U	3.70	2.51	1	12/21/12 05:55	12/20/12	
Acenaphthene	3.38 U	7.41	3.38	1	12/21/12 05:55	12/20/12	
Acenaphthylene	2.40 U	7.41	2.40	1	12/21/12 05:55	12/20/12	
Anthracene	1.75 U	3.70	1.75	1	12/21/12 05:55	12/20/12	
Benz(a)anthracene	2.07 U	3.70	2.07	1	12/21/12 05:55	12/20/12	
Benzo(a)pyrene	1.09 U	3.70	1.09	1	12/21/12 05:55	12/20/12	
Benzo(b)fluoranthene	2.18 U	3.70	2.18	1	12/21/12 05:55	12/20/12	
Benzo(g,h,i)perylene	2.40 U	3.70	2.40	1	12/21/12 05:55	12/20/12	
Benzo(k)fluoranthene	2.62 U	3.70	2.62	1	12/21/12 05:55	12/20/12	
Chrysene	2.07 U	3.70	2.07	1	12/21/12 05:55	12/20/12	
Dibenz(a,h)anthracene	2.95 U	3.70	2.95	1	12/21/12 05:55	12/20/12	
Fluoranthene	2.18 U	3.70	2.18	1	12/21/12 05:55	12/20/12	
Fluorene	2.40 U	3.70	2.40	1	12/21/12 05:55	12/20/12	
Indeno(1,2,3-cd)pyrene	2.40 U	3.70	2.40	1	12/21/12 05:55	12/20/12	
Naphthalene	3.38 U	3.70	3.38	1	12/21/12 05:55	12/20/12	
Phenanthrene	1.86 U	7.41	1.86	1	12/21/12 05:55	12/20/12	
Pyrene	2.18 U	3.70	2.18	1	12/21/12 05:55	12/20/12	
Bis(2-ethylhexyl) Phthalate	36.4 U	36.4	-	1	12/21/12 05:55	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	45	30 - 118	12/21/12 05:55	
p-Terphenyl-d14	50	41 - 146	12/21/12 05:55	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 14:35
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB07-0507-121212	**Units:**	mg/Kg
Lab Code:	J1206127-017	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.22 U	22.1	2.22	1	12/20/12 02:52	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	84	62 - 109	12/20/12 02:52	
n-Nonatriacontane	89	60 - 118	12/20/12 02:52	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 15:05
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB08-0103-121212	**Units:**	ug/Kg
Lab Code:	J1206127-018	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.70 U	2.94	2.70	1	12/21/12 06:19	12/20/12	
2-Methylnaphthalene	2.30 U	2.94	2.30	1	12/21/12 06:19	12/20/12	
Acenaphthene	3.10 U	5.88	3.10	1	12/21/12 06:19	12/20/12	
Acenaphthylene	2.20 U	5.88	2.20	1	12/21/12 06:19	12/20/12	
Anthracene	1.60 U	2.94	1.60	1	12/21/12 06:19	12/20/12	
Benz(a)anthracene	1.90 U	2.94	1.90	1	12/21/12 06:19	12/20/12	
Benzo(a)pyrene	1.00 U	2.94	1.00	1	12/21/12 06:19	12/20/12	
Benzo(b)fluoranthene	2.00 U	2.94	2.00	1	12/21/12 06:19	12/20/12	
Benzo(g,h,i)perylene	2.20 U	2.94	2.20	1	12/21/12 06:19	12/20/12	
Benzo(k)fluoranthene	2.40 U	2.94	2.40	1	12/21/12 06:19	12/20/12	
Chrysene	1.90 U	2.94	1.90	1	12/21/12 06:19	12/20/12	
Dibenz(a,h)anthracene	2.70 U	2.94	2.70	1	12/21/12 06:19	12/20/12	
Fluoranthene	2.00 U	2.94	2.00	1	12/21/12 06:19	12/20/12	
Fluorene	2.20 U	2.94	2.20	1	12/21/12 06:19	12/20/12	
Indeno(1,2,3-cd)pyrene	2.20 U	2.94	2.20	1	12/21/12 06:19	12/20/12	
Naphthalene	3.10 U	3.10	3.10	1	12/21/12 06:19	12/20/12	
Phenanthrene	1.70 U	5.88	1.70	1	12/21/12 06:19	12/20/12	
Pyrene	2.00 U	2.94	2.00	1	12/21/12 06:19	12/20/12	
Bis(2-ethylhexyl) Phthalate	28.9 U	28.9	-	1	12/21/12 06:19	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	57	30 - 118	12/21/12 06:19	
p-Terphenyl-d14	64	41 - 146	12/21/12 06:19	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 15:05
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB08-0103-121212	**Units:**	mg/Kg
Lab Code:	J1206127-018	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.03 U	20.3	2.03	1	12/20/12 03:51	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	92	62 - 109	12/20/12 03:51	
n-Nonatriacontane	95	60 - 118	12/20/12 03:51	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 15:10
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB08-0305-121212	**Units:**	ug/Kg
Lab Code:	J1206127-019	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.70 U	3.31	2.70	1	12/20/12 21:43	12/20/12	
2-Methylnaphthalene	2.30 U	3.31	2.30	1	12/20/12 21:43	12/20/12	
Acenaphthene	3.10 U	6.61	3.10	1	12/20/12 21:43	12/20/12	
Acenaphthylene	2.20 U	6.61	2.20	1	12/20/12 21:43	12/20/12	
Anthracene	1.60 U	3.31	1.60	1	12/20/12 21:43	12/20/12	
Benz(a)anthracene	**2.16 I**	3.31	1.90	1	12/20/12 21:43	12/20/12	
Benzo(a)pyrene	**1.87 I**	3.31	1.00	1	12/20/12 21:43	12/20/12	
Benzo(b)fluoranthene	2.00 U	3.31	2.00	1	12/20/12 21:43	12/20/12	
Benzo(g,h,i)perylene	2.20 U	3.31	2.20	1	12/20/12 21:43	12/20/12	
Benzo(k)fluoranthene	2.40 U	3.31	2.40	1	12/20/12 21:43	12/20/12	
Chrysene	1.90 U	3.31	1.90	1	12/20/12 21:43	12/20/12	
Dibenz(a,h)anthracene	2.70 U	3.31	2.70	1	12/20/12 21:43	12/20/12	
Fluoranthene	**5.57**	3.31	2.00	1	12/20/12 21:43	12/20/12	
Fluorene	2.20 U	3.31	2.20	1	12/20/12 21:43	12/20/12	
Indeno(1,2,3-cd)pyrene	2.20 U	3.31	2.20	1	12/20/12 21:43	12/20/12	
Naphthalene	3.10 U	3.31	3.10	1	12/20/12 21:43	12/20/12	
Phenanthrene	**2.96 I**	6.61	1.70	1	12/20/12 21:43	12/20/12	
Pyrene	**4.53**	3.31	2.00	1	12/20/12 21:43	12/20/12	
Bis(2-ethylhexyl) Phthalate	32.5 U	32.5	-	1	12/20/12 21:43	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	52	30 - 118	12/20/12 21:43	
p-Terphenyl-d14	58	41 - 146	12/20/12 21:43	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 15:10
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB08-0305-121212	**Units:**	mg/Kg
Lab Code:	J1206127-019	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.09 U	20.9	2.09	1	12/20/12 04:21	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	85	62 - 109	12/20/12 04:21	
n-Nonatriacontane	94	60 - 118	12/20/12 04:21	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 15:15
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB08-0507-121212	**Units:**	ug/Kg
Lab Code:	J1206127-020	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.84 U	3.57	2.84	1	12/20/12 22:07	12/20/12	
2-Methylnaphthalene	2.42 U	3.57	2.42	1	12/20/12 22:07	12/20/12	
Acenaphthene	3.26 U	7.14	3.26	1	12/20/12 22:07	12/20/12	
Acenaphthylene	2.31 U	7.14	2.31	1	12/20/12 22:07	12/20/12	
Anthracene	1.68 U	3.57	1.68	1	12/20/12 22:07	12/20/12	
Benz(a)anthracene	2.00 U	3.57	2.00	1	12/20/12 22:07	12/20/12	
Benzo(a)pyrene	1.05 U	3.57	1.05	1	12/20/12 22:07	12/20/12	
Benzo(b)fluoranthene	2.10 U	3.57	2.10	1	12/20/12 22:07	12/20/12	
Benzo(g,h,i)perylene	2.31 U	3.57	2.31	1	12/20/12 22:07	12/20/12	
Benzo(k)fluoranthene	2.52 U	3.57	2.52	1	12/20/12 22:07	12/20/12	
Chrysene	2.00 U	3.57	2.00	1	12/20/12 22:07	12/20/12	
Dibenz(a,h)anthracene	2.84 U	3.57	2.84	1	12/20/12 22:07	12/20/12	
Fluoranthene	2.10 U	3.57	2.10	1	12/20/12 22:07	12/20/12	
Fluorene	2.31 U	3.57	2.31	1	12/20/12 22:07	12/20/12	
Indeno(1,2,3-cd)pyrene	2.31 U	3.57	2.31	1	12/20/12 22:07	12/20/12	
Naphthalene	3.26 U	3.57	3.26	1	12/20/12 22:07	12/20/12	
Phenanthrene	1.79 U	7.14	1.79	1	12/20/12 22:07	12/20/12	
Pyrene	2.10 U	3.57	2.10	1	12/20/12 22:07	12/20/12	
Bis(2-ethylhexyl) Phthalate	35.1 U	35.1	-	1	12/20/12 22:07	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	61	30 - 118	12/20/12 22:07	
p-Terphenyl-d14	64	41 - 146	12/20/12 22:07	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12 15:15
Sample Matrix:	Soil	**Date Received:**	12/13/12 10:15
Sample Name:	MPT-1241-SB08-0507-121212	**Units:**	mg/Kg
Lab Code:	J1206127-020	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.08 U	20.8	2.08	1	12/20/12 04:51	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	81	62 - 109	12/20/12 04:51	
n-Nonatriacontane	88	60 - 118	12/20/12 04:51	

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	JQ1208159-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	63.0 U	170	63.0	1	12/19/12 09:59	12/6/12	
1,2-Dichlorobenzene	32.0 U	170	32.0	1	12/19/12 09:59	12/6/12	
1,3-Dichlorobenzene	38.0 U	170	38.0	1	12/19/12 09:59	12/6/12	
1,4-Dichlorobenzene	41.0 U	170	41.0	1	12/19/12 09:59	12/6/12	
1-Methylnaphthalene	66.0 U	170	66.0	1	12/19/12 09:59	12/6/12	
2,4,5-Trichlorophenol	57.0 U	170	57.0	1	12/19/12 09:59	12/6/12	
2,4,6-Trichlorophenol	50.0 U	170	50.0	1	12/19/12 09:59	12/6/12	
2,4-Dichlorophenol	63.0 U	170	63.0	1	12/19/12 09:59	12/6/12	
2,4-Dimethylphenol	83.0 U	170	83.0	1	12/19/12 09:59	12/6/12	
2,4-Dinitrophenol	23.0 U	670	23.0	1	12/19/12 09:59	12/6/12	
2,4-Dinitrotoluene	41.0 U	170	41.0	1	12/19/12 09:59	12/6/12	
2,6-Dinitrotoluene	48.0 U	170	48.0	1	12/19/12 09:59	12/6/12	
2-Chloronaphthalene	43.0 U	170	43.0	1	12/19/12 09:59	12/6/12	
2-Chlorophenol	35.0 U	170	35.0	1	12/19/12 09:59	12/6/12	
2-Methylnaphthalene	59.0 U	170	59.0	1	12/19/12 09:59	12/6/12	
2-Methylphenol	48.0 U	170	48.0	1	12/19/12 09:59	12/6/12	
2-Nitroaniline	51.0 U	170	51.0	1	12/19/12 09:59	12/6/12	
2-Nitrophenol	52.0 U	670	52.0	1	12/19/12 09:59	12/6/12	
3- and 4-Methylphenol Coelution	43.0 U	170	43.0	1	12/19/12 09:59	12/6/12	
3,3'-Dichlorobenzidine	85.0 U	670	85.0	1	12/19/12 09:59	12/6/12	
3-Nitroaniline	51.0 U	170	51.0	1	12/19/12 09:59	12/6/12	
4,6-Dinitro-2-methylphenol	48.0 U	170	48.0	1	12/19/12 09:59	12/6/12	
4-Bromophenyl Phenyl Ether	52.0 U	170	52.0	1	12/19/12 09:59	12/6/12	
4-Chloro-3-methylphenol	53.0 U	170	53.0	1	12/19/12 09:59	12/6/12	
4-Chloroaniline	69.0 U	170	69.0	1	12/19/12 09:59	12/6/12	
4-Chlorophenyl Phenyl Ether	52.0 U	170	52.0	1	12/19/12 09:59	12/6/12	
4-Nitroaniline	55.0 U	170	55.0	1	12/19/12 09:59	12/6/12	
4-Nitrophenol	56.0 U	670	56.0	1	12/19/12 09:59	12/6/12	
Acenaphthene	53.0 U	170	53.0	1	12/19/12 09:59	12/6/12	
Acenaphthylene	47.0 U	170	47.0	1	12/19/12 09:59	12/6/12	
Acetophenone	46.0 U	340	46.0	1	12/19/12 09:59	12/6/12	
Anthracene	43.0 U	170	43.0	1	12/19/12 09:59	12/6/12	
Benz(a)anthracene	47.0 U	170	47.0	1	12/19/12 09:59	12/6/12	
Benzo(a)pyrene	37.0 U	170	37.0	1	12/19/12 09:59	12/6/12	
Benzo(b)fluoranthene	26.0 U	170	26.0	1	12/19/12 09:59	12/6/12	
Benzo(g,h,i)perylene	52.0 U	170	52.0	1	12/19/12 09:59	12/6/12	
Benzo(k)fluoranthene	59.0 U	170	59.0	1	12/19/12 09:59	12/6/12	
Benzyl Alcohol	38.0 U	340	38.0	1	12/19/12 09:59	12/6/12	
Bis(2-chloroethoxy)methane	53.0 U	170	53.0	1	12/19/12 09:59	12/6/12	
Bis(2-chloroethyl) Ether	42.0 U	170	42.0	1	12/19/12 09:59	12/6/12	
Bis(2-chloroisopropyl) Ether	35.0 U	170	35.0	1	12/19/12 09:59	12/6/12	
Bis(2-ethylhexyl) Phthalate	44.0 U	170	44.0	1	12/19/12 09:59	12/6/12	
Butyl Benzyl Phthalate	47.0 U	340	47.0	1	12/19/12 09:59	12/6/12	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	JQ1208159-01	**Basis:**	Dry

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	57.0 U	170	57.0	1	12/19/12 09:59	12/6/12	
Chrysene	45.0 U	170	45.0	1	12/19/12 09:59	12/6/12	
Dibenz(a,h)anthracene	46.0 U	170	46.0	1	12/19/12 09:59	12/6/12	
Dibenzofuran	46.0 U	170	46.0	1	12/19/12 09:59	12/6/12	
Diethyl Phthalate	51.0 U	170	51.0	1	12/19/12 09:59	12/6/12	
Dimethyl Phthalate	53.0 U	170	53.0	1	12/19/12 09:59	12/6/12	
Di-n-butyl Phthalate	34.0 U	170	34.0	1	12/19/12 09:59	12/6/12	
Di-n-octyl Phthalate	52.0 U	170	52.0	1	12/19/12 09:59	12/6/12	
Diphenylamine + n-Nitrosodiphenylamine	37.0 U	170	37.0	1	12/19/12 09:59	12/6/12	
Fluoranthene	48.0 U	170	48.0	1	12/19/12 09:59	12/6/12	
Fluorene	47.0 U	170	47.0	1	12/19/12 09:59	12/6/12	
Hexachlorobenzene	48.0 U	170	48.0	1	12/19/12 09:59	12/6/12	
Hexachlorobutadiene	55.0 U	170	55.0	1	12/19/12 09:59	12/6/12	
Hexachlorocyclopentadiene	34.0 U	170	34.0	1	12/19/12 09:59	12/6/12	
Hexachloroethane	31.0 U	170	31.0	1	12/19/12 09:59	12/6/12	
Indeno(1,2,3-cd)pyrene	41.0 U	170	41.0	1	12/19/12 09:59	12/6/12	
Isophorone	58.0 U	170	58.0	1	12/19/12 09:59	12/6/12	
Naphthalene	49.0 U	170	49.0	1	12/19/12 09:59	12/6/12	
Nitrobenzene	39.0 U	170	39.0	1	12/19/12 09:59	12/6/12	
N-Nitrosodi-n-propylamine	50.0 U	170	50.0	1	12/19/12 09:59	12/6/12	
Pentachlorophenol (PCP)	35.0 U	670	35.0	1	12/19/12 09:59	12/6/12	
Phenanthrene	42.0 U	170	42.0	1	12/19/12 09:59	12/6/12	
Phenol	46.0 U	170	46.0	1	12/19/12 09:59	12/6/12	
Pyrene	46.0 U	170	46.0	1	12/19/12 09:59	12/6/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	75	28 - 164	12/19/12 09:59	
2-Fluorobiphenyl	80	33 - 133	12/19/12 09:59	
2-Fluorophenol	66	10 - 126	12/19/12 09:59	
Nitrobenzene-d5	74	25 - 138	12/19/12 09:59	
Phenol-d6	74	10 - 170	12/19/12 09:59	
p-Terphenyl-d14	95	16 - 168	12/19/12 09:59	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/Kg
Lab Code:	JQ1208251-01	**Basis:**	Dry

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	2.70 U	3.40	2.70	1	12/20/12 19:23	12/20/12	
2-Methylnaphthalene	2.30 U	3.40	2.30	1	12/20/12 19:23	12/20/12	
Acenaphthene	3.10 U	6.80	3.10	1	12/20/12 19:23	12/20/12	
Acenaphthylene	2.20 U	6.80	2.20	1	12/20/12 19:23	12/20/12	
Anthracene	1.60 U	3.40	1.60	1	12/20/12 19:23	12/20/12	
Benz(a)anthracene	1.90 U	3.40	1.90	1	12/20/12 19:23	12/20/12	
Benzo(a)pyrene	1.00 U	3.40	1.00	1	12/20/12 19:23	12/20/12	
Benzo(b)fluoranthene	2.00 U	3.40	2.00	1	12/20/12 19:23	12/20/12	
Benzo(g,h,i)perylene	2.20 U	3.40	2.20	1	12/20/12 19:23	12/20/12	
Benzo(k)fluoranthene	2.40 U	3.40	2.40	1	12/20/12 19:23	12/20/12	
Chrysene	1.90 U	3.40	1.90	1	12/20/12 19:23	12/20/12	
Dibenz(a,h)anthracene	2.70 U	3.40	2.70	1	12/20/12 19:23	12/20/12	
Fluoranthene	2.00 U	3.40	2.00	1	12/20/12 19:23	12/20/12	
Fluorene	2.20 U	3.40	2.20	1	12/20/12 19:23	12/20/12	
Indeno(1,2,3-cd)pyrene	2.20 U	3.40	2.20	1	12/20/12 19:23	12/20/12	
Naphthalene	3.10 U	3.40	3.10	1	12/20/12 19:23	12/20/12	
Phenanthrene	1.70 U	6.80	1.70	1	12/20/12 19:23	12/20/12	
Pyrene	2.00 U	3.40	2.00	1	12/20/12 19:23	12/20/12	
Bis(2-ethylhexyl) Phthalate	33.4 U	33.4	-	1	12/20/12 19:23	12/20/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	77	30 - 118	12/20/12 19:23	
p-Terphenyl-d14	81	41 - 146	12/20/12 19:23	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	JQ1208079-01	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	**3.22 I**	20.0	2.00	1	12/15/12 10:47	12/14/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	80	62 - 109	12/15/12 10:47	
n-Nonatriacontane	85	60 - 118	12/15/12 10:47	

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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	NA
Sample Matrix:	Soil	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	mg/Kg
Lab Code:	JQ1208135-01	**Basis:**	Dry

Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Prep Method: Method

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
FL-PRO (C8 - C40)	2.00 U	20.0	2.00	1	12/19/12 17:14	12/17/12	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
o-Terphenyl	89	62 - 109	12/19/12 17:14	
n-Nonatriacontane	98	60 - 118	12/19/12 17:14	

Analytical Report

Client: TriEco, LLC
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil
Analysis Method: 160.3 Modified

Service Request: J1206127
Date Collected: 12/12/12
Date Received: 12/13/12
Units: Percent
Basis: As Received

Solids, Total

Sample Name	Lab Code	Result	MRL	MDL	Dil.	Date Analyzed	Q
MPT-1241-SB01-0103-121212	J1206127-001	**92**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB01-0305-121212	J1206127-002	**95**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB01-0507-121212	J1206127-003	**96**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB02-0305-121212	J1206127-004	**96**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB02-0507-121212	J1206127-005	**96**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB04-0103-121212	J1206127-006	**96**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB04-0305-121212	J1206127-007	**94**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB04-0507-121212	J1206127-008	**97**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB05-0103-121212	J1206127-009	**93**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB05-0305-121212	J1206127-010	**94**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB05-0507-121212	J1206127-011	**97**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB06-0103-121212	J1206127-012	**96**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB06-0305-121212	J1206127-013	**95**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB06-0507-121212	J1206127-014	**97**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB07-0103-121212	J1206127-015	**95**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB07-0305-121212	J1206127-016	**96**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB07-0507-121212	J1206127-017	**90**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB08-0103-121212	J1206127-018	**98**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB08-0305-121212	J1206127-019	**97**	0.10	0.10	1	12/14/12 10:54	
MPT-1241-SB08-0507-121212	J1206127-020	**94**	0.10	0.10	1	12/14/12 10:54	

Client: TriEco, LLC **Service Request:** J1206127
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3550C

Sample Name	Lab Code	2,4,6-Tribromophenol 28 - 164	2-Fluorobiphenyl 33 - 133	2-Fluorophenol 10 - 126
MPT-1241-SB01-0103-121212	J1206127-001	78	79	64
MPT-1241-SB01-0305-121212	J1206127-002	72	72	58
MPT-1241-SB01-0507-121212	J1206127-003	78	75	62
MPT-1241-SB02-0305-121212	J1206127-004	70	74	60
MPT-1241-SB02-0507-121212	J1206127-005	60	62	53
Method Blank	JQ1208159-01	75	80	66
Lab Control Sample	JQ1208159-02	81	74	65
Lab Control Sample	JQ1208159-03	68	63	56
MPT-1241-SB01-0103-121212	JQ1208159-04	80	69	60
MPT-1241-SB01-0103-121212	JQ1208159-05	87	81	68

Client: TriEco, LLC **Service Request:** J1206127
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3550C

Sample Name	Lab Code	Nitrobenzene-d5 25 - 138	Phenol-d6 10 - 170	p-Terphenyl-d14 16 - 168
MPT-1241-SB01-0103-121212	J1206127-001	69	73	84
MPT-1241-SB01-0305-121212	J1206127-002	62	65	80
MPT-1241-SB01-0507-121212	J1206127-003	64	68	87
MPT-1241-SB02-0305-121212	J1206127-004	63	66	81
MPT-1241-SB02-0507-121212	J1206127-005	55	58	64
Method Blank	JQ1208159-01	74	74	95
Lab Control Sample	JQ1208159-02	72	70	95
Lab Control Sample	JQ1208159-03	59	64	80
MPT-1241-SB01-0103-121212	JQ1208159-04	64	65	70
MPT-1241-SB01-0103-121212	JQ1208159-05	77	77	79

Client: TriEco, LLC **Service Request:** J1206127
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3550C

Sample Name	Lab Code
MPT-1241-SB01-0103-121212	J1206127-001
MPT-1241-SB01-0305-121212	J1206127-002
MPT-1241-SB01-0507-121212	J1206127-003
MPT-1241-SB02-0305-121212	J1206127-004
MPT-1241-SB02-0507-121212	J1206127-005
Method Blank	JQ1208159-01
Lab Control Sample	JQ1208159-02
Lab Control Sample	JQ1208159-03
MPT-1241-SB01-0103-121212	JQ1208159-04
MPT-1241-SB01-0103-121212	JQ1208159-05

Client: TriEco, LLC **Service Request:** J1206127
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Extraction Method: EPA 3550C

Sample Name	Lab Code	2-Fluorobiphenyl 30 - 118	p-Terphenyl-d14 41 - 146
MPT-1241-SB04-0103-121212	J1206127-006	32	41
MPT-1241-SB04-0305-121212	J1206127-007	62	67
MPT-1241-SB04-0507-121212	J1206127-008	56	53
MPT-1241-SB05-0103-121212	J1206127-009	44	52
MPT-1241-SB05-0305-121212	J1206127-010	45	53
MPT-1241-SB05-0507-121212	J1206127-011	63	66
MPT-1241-SB06-0103-121212	J1206127-012	38	44
MPT-1241-SB06-0305-121212	J1206127-013	46	51
MPT-1241-SB06-0507-121212	J1206127-014	56	57
MPT-1241-SB07-0103-121212	J1206127-015	61	64
MPT-1241-SB07-0305-121212	J1206127-016	30	36 *
MPT-1241-SB07-0507-121212	J1206127-017	45	50
MPT-1241-SB08-0103-121212	J1206127-018	57	64
MPT-1241-SB08-0305-121212	J1206127-019	52	58
MPT-1241-SB08-0507-121212	J1206127-020	61	64
Method Blank	JQ1208251-01	77	81
Lab Control Sample	JQ1208251-02	67	74
MPT-1241-SB04-0507-121212	JQ1208251-03	59	61
MPT-1241-SB04-0507-121212	JQ1208251-04	47	49

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

Service Request: J1206127
Date Collected: 12/12/12
Date Received: 12/13/12
Date Analyzed: 12/18/12
Date Extracted: 12/6/12

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: MPT-1241-SB01-0103-121212
Lab Code: J1206127-001
Analysis Method: 8270C
Prep Method: EPA 3550C

Units: ug/Kg
Basis: Dry

		Matrix Spike JQ1208159-04			Duplicate Matrix Spike JQ1208159-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	ND	1410	2060	69	1490	1820	82	30-142	5	30
1,2-Dichlorobenzene	ND	1320	2060	64	1380	1820	76	26-135	5	30
1,3-Dichlorobenzene	ND	1300	2060	63	1360	1820	74	26-132	5	30
1,4-Dichlorobenzene	ND	1310	2060	64	1390	1820	76	29-130	6	30
1-Methylnaphthalene	ND	1400	2060	68	1480	1820	81	32-156	6	30
2,4,5-Trichlorophenol	ND	1630	2060	79	1590	1820	87	41-164	2	30
2,4,6-Trichlorophenol	ND	1580	2060	77	1590	1820	87	38-162	<1	30
2,4-Dichlorophenol	ND	1480	2060	72	1490	1820	82	33-156	<1	30
2,4-Dimethylphenol	ND	1500	2060	73	1540	1820	84	18-162	2	30
2,4-Dinitrophenol	ND	1350	2060	66	1310	1820	72	10-195	3	30
2,4-Dinitrotoluene	ND	1550	2060	75	1560	1820	85	43-181	<1	30
2,6-Dinitrotoluene	ND	1630	2060	79	1640	1820	90	39-172	<1	30
2-Chloronaphthalene	ND	1540	2060	75	1560	1820	85	38-153	1	30
2-Chlorophenol	ND	1340	2060	65	1410	1820	77	21-144	5	30
2-Methylnaphthalene	ND	1420	2060	69	1490	1820	81	32-151	5	30
2-Methylphenol	ND	1450	2060	70	1530	1820	84	32-145	6	30
2-Nitroaniline	ND	1600	2060	78	1620	1820	89	34-192	<1	30
2-Nitrophenol	ND	1450	2060	71	1510	1820	83	28-154	4	30
3- and 4-Methylphenol Coelution	ND	1390	2060	67	1490	1820	82	15-178	7	30
3,3'-Dichlorobenzidine	ND	1760	2060	85	1720	1820	94	37-185	2	30
3-Nitroaniline	ND	1640	2060	80	1630	1820	89	39-168	<1	30
4,6-Dinitro-2-methylphenol	ND	1390	2060	67	1420	1820	78	22-186	2	30
4-Bromophenyl Phenyl Ether	ND	1600	2060	78	1600	1820	88	38-168	<1	30
4-Chloro-3-methylphenol	ND	1490	2060	73	1520	1820	84	39-170	2	30
4-Chloroaniline	ND	1440	2060	70	1470	1820	81	29-150	2	30
4-Chlorophenyl Phenyl Ether	ND	1500	2060	73	1530	1820	84	38-164	2	30
4-Nitroaniline	ND	1390	2060	67	1460	1820	80	39-172	5	30
4-Nitrophenol	ND	1550	2060	75	1420	1820	78	10-222	9	30
Acenaphthene	ND	1500	2060	73	1540	1820	84	35-163	2	30
Acenaphthylene	ND	1530	2060	74	1550	1820	85	33-167	1	30
Acetophenone	ND	1450	2060	71	1560	1820	86	56-139	7	30
Anthracene	ND	1550	2060	75	1520	1820	83	38-178	2	30
Benz(a)anthracene	ND	1610	2060	78	1600	1820	88	66-178	<1	30
Benzo(a)pyrene	ND	1580	2060	77	1590	1820	87	39-180	1	30
Benzo(b)fluoranthene	ND	1530	2060	74	1520	1820	83	42-174	<1	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client: TriEco, LLC
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

Service Request: J1206127
Date Collected: 12/12/12
Date Received: 12/13/12
Date Analyzed: 12/18/12
Date Extracted: 12/6/12

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: MPT-1241-SB01-0103-121212
Lab Code: J1206127-001
Analysis Method: 8270C
Prep Method: EPA 3550C

Units: ug/Kg
Basis: Dry

		Matrix Spike JQ1208159-04			Duplicate Matrix Spike JQ1208159-05					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(g,h,i)perylene	ND	1820	2060	89	1870	1820	102	42-186	3	30
Benzo(k)fluoranthene	ND	1490	2060	73	1540	1820	84	42-172	3	30
Benzyl Alcohol	ND	1360	2060	66	1490	1820	82	10-263	9	30
Bis(2-chloroethoxy)methane	ND	1450	2060	70	1510	1820	83	33-160	5	30
Bis(2-chloroethyl) Ether	ND	1370	2060	66	1460	1820	80	13-168	7	30
Bis(2-chloroisopropyl) Ether	ND	1360	2060	66	1440	1820	79	10-199	6	30
Bis(2-ethylhexyl) Phthalate	164	2060	2060	92	2100	1820	106	10-220	2	30
Butyl Benzyl Phthalate	ND	1710	2060	83	1760	1820	97	38-196	3	30
Carbazole	ND	1510	2060	73	1490	1820	82	38-179	1	30
Chrysene	ND	1660	2060	80	1650	1820	91	39-179	<1	30
Dibenz(a,h)anthracene	ND	1930	2060	94	1950	1820	107	41-194	<1	30
Dibenzofuran	ND	1510	2060	73	1520	1820	84	36-164	<1	30
Diethyl Phthalate	ND	1500	2060	73	1530	1820	84	42-176	2	30
Dimethyl Phthalate	ND	1550	2060	75	1610	1820	88	39-173	4	30
Di-n-butyl Phthalate	ND	1560	2060	76	1570	1820	86	15-203	<1	30
Di-n-octyl Phthalate	ND	1700	2060	83	1850	1820	102	34-207	8	30
Diphenylamine + n-Nitrosodiphenylamine	ND	1520	2060	74	1350	1820	74	62-111	12	30
Fluoranthene	ND	1300	2060	63	1310	1820	72	44-180	1	30
Fluorene	ND	1440	2060	70	1460	1820	80	38-171	2	30
Hexachlorobenzene	ND	1620	2060	79	1590	1820	87	42-176	2	30
Hexachlorobutadiene	ND	1370	2060	67	1450	1820	79	32-136	5	30
Hexachlorocyclopentadiene	ND	1350	2060	66	1390	1820	76	27-142	3	30
Hexachloroethane	ND	1250	2060	61	1370	1820	75	31-133	9	30
Indeno(1,2,3-cd)pyrene	ND	2010	2060	98	1830	1820	100	46-185	10	30
Isophorone	ND	1510	2060	73	1560	1820	86	34-165	4	30
Naphthalene	ND	1410	2060	68	1470	1820	81	12-160	5	30
Nitrobenzene	ND	1400	2060	68	1470	1820	81	31-153	5	30
N-Nitrosodi-n-propylamine	ND	1440	2060	70	1500	1820	82	19-180	4	30
Pentachlorophenol (PCP)	ND	1420	2060	69	1260	1820	69	25-195	12	30
Phenanthrene	ND	1550	2060	75	1530	1820	84	40-173	1	30
Phenol	ND	1380	2060	67	1430	1820	79	26-151	4	30
Pyrene	ND	1460	2060	71	1470	1820	80	39-177	<1	30

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COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client: TriEco, LLC
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

Service Request: J1206127
Date Collected: 12/12/12
Date Received: 12/13/12
Date Analyzed: 12/20/12
Date Extracted: 12/20/12

Duplicate Matrix Spike Summary
Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Sample Name: MPT-1241-SB04-0507-121212
Lab Code: J1206127-008
Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Units: ug/Kg
Basis: Dry

		Matrix Spike JQ1208251-03			Duplicate Matrix Spike JQ1208251-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1-Methylnaphthalene	ND	73.5	139	53	58.1	134	43	32-101	23	30
2-Methylnaphthalene	ND	77.2	139	55	53.5	134	40	32-103	36*	30
Acenaphthene	ND	81.7	139	59	65.4	134	49	29-122	22	30
Acenaphthylene	ND	76.8	139	55	62.2	134	46	36-114	21	30
Anthracene	ND	84.3	139	60	68.2	134	51	36-135	21	30
Benz(a)anthracene	ND	90.7	139	65	64.9	134	48	43-139	33*	30
Benzo(a)pyrene	ND	81.1	139	58	61.7	134	46	43-127	27	30
Benzo(b)fluoranthene	ND	90.7	139	65	62.5	134	47 *	49-139	37*	30
Benzo(g,h,i)perylene	ND	69.7	139	50	52.6	134	39	30-135	28	30
Benzo(k)fluoranthene	ND	77.1	139	55	58.6	134	44 *	45-132	27	30
Bis(2-ethylhexyl) Phthalate	ND	489	697	70	391	669	58 *	70-130	22	30
Chrysene	ND	84.2	139	60	69.3	134	52	36-130	19	30
Dibenz(a,h)anthracene	ND	75.6	139	54	59.4	134	44	32-139	24	30
Fluoranthene	ND	90.3	139	65	62.9	134	47	42-127	36*	30
Fluorene	ND	80.9	139	58	70.2	134	52	41-118	14	30
Indeno(1,2,3-cd)pyrene	ND	91.3	139	66	70.2	134	52	32-133	26	30
Naphthalene	ND	71.6	139	51	54.1	134	40	29-107	28	30
Phenanthrene	14.5	81.0	139	48	82.1	134	50	34-130	1	30
Pyrene	ND	79.0	139	57	66.7	134	50	45-118	17	30

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Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: TriEco, LLC
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

Service Request: J1206127
Date Analyzed: 12/18/12
Date Extracted: 12/06/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Units: ug/Kg
Basis: Dry
Analysis Lot: 323025

Lab Control Sample
JQ1208159-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2,4-Trichlorobenzene	1250	1670	75	30-142
1,2-Dichlorobenzene	1160	1670	70	26-135
1,3-Dichlorobenzene	1150	1670	69	26-132
1,4-Dichlorobenzene	1170	1670	70	29-130
1-Methylnaphthalene	1310	1670	78	32-156
2,4,5-Trichlorophenol	1390	1670	83	41-164
2,4,6-Trichlorophenol	1340	1670	80	38-162
2,4-Dichlorophenol	1300	1670	78	33-156
2,4-Dimethylphenol	1310	1670	78	18-162
2,4-Dinitrophenol	813	1670	49	10-195
2,4-Dinitrotoluene	1420	1670	85	43-181
2,6-Dinitrotoluene	1420	1670	85	39-172
2-Chloronaphthalene	1310	1670	79	38-153
2-Chlorophenol	1170	1670	70	21-144
2-Methylnaphthalene	1300	1670	78	32-151
2-Methylphenol	1280	1670	77	32-145
2-Nitroaniline	1400	1670	84	34-192
2-Nitrophenol	1210	1670	73	28-154
3- and 4-Methylphenol Coelution	1260	1670	75	15-178
3,3'-Dichlorobenzidine	1270	1670	76	37-185
3-Nitroaniline	1360	1670	81	39-168
4,6-Dinitro-2-methylphenol	884	1670	53	22-186
4-Bromophenyl Phenyl Ether	1450	1670	87	38-168
4-Chloro-3-methylphenol	1360	1670	82	39-170
4-Chloroaniline	1260	1670	76	29-150
4-Chlorophenyl Phenyl Ether	1430	1670	86	38-164
4-Nitroaniline	1280	1670	77	39-172
4-Nitrophenol	1230	1670	74	10-222
Acenaphthene	1370	1670	82	35-163
Acenaphthylene	1360	1670	81	33-167
Acetophenone	1290	1670	77	56-139
Anthracene	1410	1670	85	38-178
Benz(a)anthracene	1450	1670	87	66-178
Benzo(a)pyrene	1510	1670	91	39-180
Benzo(b)fluoranthene	1510	1670	90	42-174
Benzo(g,h,i)perylene	1700	1670	102	42-186
Benzo(k)fluoranthene	1470	1670	88	42-172
Benzyl Alcohol	1220	1670	73	10-263
Bis(2-chloroethoxy)methane	1270	1670	76	33-160
Bis(2-chloroethyl) Ether	1200	1670	72	13-168
Bis(2-chloroisopropyl) Ether	1200	1670	72	10-199

Client: TriEco, LLC
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

Service Request: J1206127
Date Analyzed: 12/18/12
Date Extracted: 12/06/12

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3550C

Units: ug/Kg
Basis: Dry
Analysis Lot: 323025

Lab Control Sample
JQ1208159-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Bis(2-ethylhexyl) Phthalate	1790	1670	107	10-220
Butyl Benzyl Phthalate	1630	1670	98	38-196
Carbazole	1340	1670	81	38-179
Chrysene	1480	1670	89	39-179
Dibenz(a,h)anthracene	1720	1670	103	41-194
Dibenzofuran	1380	1670	83	36-164
Diethyl Phthalate	1420	1670	85	42-176
Dimethyl Phthalate	1430	1670	86	39-173
Di-n-butyl Phthalate	1450	1670	87	15-203
Di-n-octyl Phthalate	1770	1670	106	34-207
Diphenylamine + n-Nitrosodiphenylamine	1430	1670	86	62-111
Fluoranthene	1270	1670	76	44-180
Fluorene	1350	1670	81	38-171
Hexachlorobenzene	1510	1670	91	42-176
Hexachlorobutadiene	1240	1670	74	32-136
Hexachlorocyclopentadiene	966	1670	58	27-142
Hexachloroethane	1130	1670	68	31-133
Indeno(1,2,3-cd)pyrene	1620	1670	97	46-185
Isophorone	1320	1670	79	34-165
Naphthalene	1240	1670	74	12-160
Nitrobenzene	1240	1670	74	31-153
N-Nitrosodi-n-propylamine	1310	1670	79	19-180
Pentachlorophenol (PCP)	1150	1670	69	25-195
Phenanthrene	1440	1670	86	40-173
Phenol	1210	1670	72	26-151
Pyrene	1670	1670	100	39-177

Client: TriEco, LLC
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

Service Request: J1206127
Date Analyzed: 12/20/12
Date Extracted: 12/20/12

Lab Control Sample Summary
Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3550C

Units: ug/Kg
Basis: Dry
Analysis Lot: 323493

Lab Control Sample
JQ1208251-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1-Methylnaphthalene	89.2	133	67	32-101
2-Methylnaphthalene	89.0	133	67	32-103
Acenaphthene	90.0	133	67	29-122
Acenaphthylene	98.1	133	74	36-114
Anthracene	93.0	133	70	36-135
Benz(a)anthracene	103	133	78	43-139
Benzo(a)pyrene	96.8	133	73	43-127
Benzo(b)fluoranthene	96.2	133	72	49-139
Benzo(g,h,i)perylene	84.1	133	63	30-135
Benzo(k)fluoranthene	89.2	133	67	45-132
Bis(2-ethylhexyl) Phthalate	528	667	79	70-130
Chrysene	92.4	133	69	36-130
Dibenz(a,h)anthracene	93.5	133	70	32-139
Fluoranthene	102	133	77	42-127
Fluorene	96.7	133	73	41-118
Indeno(1,2,3-cd)pyrene	106	133	79	32-133
Naphthalene	86.7	133	65	29-107
Phenanthrene	102	133	77	34-130
Pyrene	96.0	133	72	45-118

Client: TriEco, LLC **Service Request:** J1206127
Project: NAVSTA Mayport/112C04630
Sample Matrix: Soil

SURROGATE RECOVERY SUMMARY
Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method: FL-PRO
Extraction Method: Method

Sample Name	Lab Code	o-Terphenyl 62 - 109	n-Nonatriacontane 60 - 118
MPT-1241-SB01-0103-121212	J1206127-001	89	83
MPT-1241-SB01-0305-121212	J1206127-002	72	80
MPT-1241-SB01-0507-121212	J1206127-003	84	88
MPT-1241-SB02-0305-121212	J1206127-004	62	77
MPT-1241-SB02-0507-121212	J1206127-005	96	99
MPT-1241-SB04-0103-121212	J1206127-006	101	102
MPT-1241-SB04-0305-121212	J1206127-007	102	108
MPT-1241-SB04-0507-121212	J1206127-008	104	109
MPT-1241-SB05-0103-121212	J1206127-009	104	105
MPT-1241-SB05-0305-121212	J1206127-010	90	101
MPT-1241-SB05-0507-121212	J1206127-011	86	91
MPT-1241-SB06-0103-121212	J1206127-012	91	99
MPT-1241-SB06-0305-121212	J1206127-013	91	102
MPT-1241-SB06-0507-121212	J1206127-014	98	110
MPT-1241-SB07-0103-121212	J1206127-015	77	100
MPT-1241-SB07-0305-121212	J1206127-016	94	99
MPT-1241-SB07-0507-121212	J1206127-017	84	89
MPT-1241-SB08-0103-121212	J1206127-018	92	95
MPT-1241-SB08-0305-121212	J1206127-019	85	94
MPT-1241-SB08-0507-121212	J1206127-020	81	88
Method Blank	JQ1208079-01	80	85
Lab Control Sample	JQ1208079-02	91	93
MPT-1241-SB01-0507-121212	JQ1208079-03	69	75
MPT-1241-SB01-0507-121212	JQ1208079-04	64	73
Method Blank	JQ1208135-01	89	98
Lab Control Sample	JQ1208135-02	95	106
MPT-1241-SB04-0305-121212	JQ1208135-03	96	82
MPT-1241-SB04-0305-121212	JQ1208135-04	100	99

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12
Sample Matrix:	Soil	**Date Received:**	12/13/12
		Date Analyzed:	12/15/12
		Date Extracted:	12/14/12

Duplicate Matrix Spike Summary
Petroleum-Range Organics by GC-FID for State of Florida

Sample Name:	MPT-1241-SB01-0507-121212	**Units:**	mg/Kg
Lab Code:	J1206127-003	**Basis:**	Dry
Analysis Method:	FL-PRO		
Prep Method:	Method		

		Matrix Spike JQ1208079-03			**Duplicate Matrix Spike** JQ1208079-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
FL-PRO (C8 - C40)	64.9	148	125	66	127	112	55 *	63-143	15	20

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COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12
Sample Matrix:	Soil	**Date Received:**	12/13/12
		Date Analyzed:	12/19/12
		Date Extracted:	12/17/12

Duplicate Matrix Spike Summary
Petroleum-Range Organics by GC-FID for State of Florida

Sample Name:	MPT-1241-SB04-0305-121212	**Units:**	mg/Kg
Lab Code:	J1206127-007	**Basis:**	Dry
Analysis Method:	FL-PRO		
Prep Method:	Method		

		Matrix Spike JQ1208135-03			**Duplicate Matrix Spike** JQ1208135-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
FL-PRO (C8 - C40)	ND	342	119	286 *	109	116	93	63-143	104*	20

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COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Analyzed:**	12/15/12
Sample Matrix:	Soil	**Date Extracted:**	12/14/12

Lab Control Sample Summary
Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method:	FL-PRO	**Units:**	mg/Kg
Prep Method:	Method	**Basis:**	Dry
		Analysis Lot:	322645

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	JQ1208079-02	102	113	91	63-143

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project:	NAVSTA Mayport/112C04630	**Date Analyzed:**	12/19/12
Sample Matrix:	Soil	**Date Extracted:**	12/17/12

Lab Control Sample Summary
Petroleum-Range Organics by GC-FID for State of Florida

Analysis Method:	FL-PRO	**Units:**	mg/Kg
Prep Method:	Method	**Basis:**	Dry
		Analysis Lot:	323287

Sample Name	Lab Code	Result	Spike Amount	% Rec	% Rec Limits
Lab Control Sample	JQ1208135-02	91.9	113	82	63-143

COLUMBIA ANALYTICAL SERVICES, INC.

Now part of the ALS Group

QA/QC Report

Client:	TriEco, LLC	**Service Request:**	J1206127
Project	NAVSTA Mayport/112C04630	**Date Collected:**	12/12/12
Sample Matrix:	Soil	**Date Received:**	12/13/12
Analysis Method:	160.3 Modified	**Units:**	Percent
		Basis:	As Received

Duplicate Sample Summary

Solids, Total

Sample Name:	Lab Code:	MRL	MDL	Sample Result	Duplicate Result	Average	RPD	RPD Limit	Date Analyzed
MPT-1241-SB01-0305-121212	J1206127-002DUP	0.10	0.10	95	95	95.0	<1	20	12/14/12
MPT-1241-SB08-0507-121212	J1206127-020DUP	0.10	0.10	94	94	93.6	<1	20	12/14/12

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

ALS Environmental

Cooler Receipt Form

Client: Tetra Tech Service Request #: J1206127

Project: 112C046030

Cooler received on 12.13.12 and opened on 12.13.12 GB

COURIER: ALS UPS FEDEX Client Other _____ Airbill # _____

1	Were custody seals on outside of cooler?	Yes	No		
	If yes, how many and where?	#:___ on lid		other	
2	Were seals intact and signature and date correct?	Yes	No	N/A	
3	Were custody papers properly filled out?	Yes	No	N/A	
4	Temperature of cooler(s) upon receipt (Should be > 0°C and < 6°C)	5.1			
5	Thermometer ID	T71			
6	Temperature Blank Present?	Yes	No		
7	Were Ice or Ice Packs present	Ice	Ice Packs	No	
8	Did all bottles arrive in good condition (unbroken, etc....)?	Yes	No	N/A	
9	Type of packing material present	Netting	Vial Holder	Bubble Wrap	
		Paper	Styrofoam	Other	N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	Yes	No	N/A	
11	Did all bottle labels and tags agree with custody papers?	Yes	No	N/A	
12	Were the correct bottles used for the tests indicated?	Yes	No	N/A	
13	Were all of the preserved bottles received with the appropriate preservative?	Yes	No	N/A	
	HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2				
	Preservative additions noted below				
14	Were all samples received within analysis holding times?	Yes	No	N/A	
15	Were all VOA vials free of air bubbles? If present, note below	Yes	No	N/A	
16	Where did the bottles originate?	ALS	Client		

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted: Date:

J1206127

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER № 2639 | PAGE 1 OF 2

PROJECT NO: 112C04630	FACILITY: NAVSTA MAYPORT	PROJECT MANAGER: D. FEARS	PHONE NUMBER: 904-636-6125
LABORATORY NAME AND CONTACT: ALS			
SAMPLERS (SIGNATURE): K. Wilt		FIELD OPERATIONS LEADER: D. FEARS	PHONE NUMBER: 904-636-6125
ADDRESS: 9143 PHILIPS HWY STE 200			
CARRIER/WAYBILL NUMBER		CITY, STATE: JACKSONVILLE, FL	

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

J1206127 5
TriEco, LLC
NAVSTA Mayport

DATE YEAR 2012	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	TRPH - FL PRO	SVOCs	PAHs - 8270D SIM	SVOCs - 8270				COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G		G	G				
PRESERVATIVE USED									—							
12/12	1035	MPT-1241-SB01-0103-121212		1	3	SO	G	1	✓	NO ACID	✓					COOL TO 4°C
12/12	1040	MPT-1241-SB01-0305-121212		3	5	SO	G	1	✓	NO ACID	✓					
12/12	1050	MPT-1241-SB01-0507-121212		5	7	SO	G	1	✓	NO ACID	✓		SEE NOTE BELOW (1)			
12/12	1115	MPT-1241-SB02-0305-121212		3	5	SO	G	1	✓	NO ACID	✓					
12/12	1120	MPT-1241-SB02-0507-121212		5	7	SO	G	1	✓	NO ACID	✓					
12/12	1150	MPT-1241-SB04-0103-121212		1	3	SO	G	1	✓	✓						- RUN ALL FOR TRPH - STANDARD TAT
12/12	1200	MPT-1241-SB04-0305-121212		3	5	SO	G	1	✓	✓						
12/12	1205	MPT-1241-SB04-0507-121212		5	7	SO	G	1	✓	✓	(2)					
12/12	1230	MPT-1241-SB05-0103-121212		1	3	SO	G	1	✓	✓						
12/12	1240	MPT-1241-SB05-0305-121212		3	5	SO	G	1	✓	✓						
12/12	1245	MPT-1241-SB05-0507-121212		5	7	SO	G	1	✓	✓						

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY: Diane Fears	12/13/12	1015	1. RECEIVED BY: [signature]	12/13/12	1015
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS (1) RUN FULL SVOC RUSH TURNAROUND ON THESE 5 SAMPLES 5.1°C

(2) ... THE SAMPLES UNTIL THE RESULTS FROM SVOC (1) SAMPLES ARE RUN

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

J1206127

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER № 2638 | PAGE 2 OF 2

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112CD4630	NAVSTA MAY POINT	D. FEARS	904-636-6125	ALS
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
K. Wolt		D. FEARS	904-636-6125	9143 PHILIPS HWY STE 200
		CARRIER/WAYBILL NUMBER		CITY, STATE
				JACKSONVILLE, FL

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

J1206127 5
TriEco, LLC
NAVSTA Mayport

DATE YEAR 2012	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: TRPH-FL PRO	TYPE OF ANALYSIS: PAHs - 8270 SIM						COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G						
PRESERVATIVE USED									-	-						
12/12	1340	MPT-1241-SB06-0103-121212		1	3	SO	G	1	✓	✓						COOL TO 4°C
12/12	1345	MPT-1241-SB06-0305-121212		3	5	SO	G	1	✓	✓						
12/12	1350	MPT-1241-SB06-0507-121212		5	7	SO	G	1	✓	✓						
12/12	1425	MPT-1241-SB07-0103-121212		1	3	SO	G	1	✓	✓						
12/12	1430	MPT-1241-SB07-0305-121212		3	5	SO	G	1	✓	✓	(2)					RUN ALL FOR
12/12	1435	MPT-1241-SB07-0507-121212		5	7	SO	G	1	✓	✓						TRPH - STANDARD
12/12	1505	MPT-1241-SB08-0103-121212		1	3	SO	G	1	✓	✓						TAT
12/12	1510	MPT-1241-SB08-0305-121212		3	5	SO	G	1	✓	✓						
12/12	1515	MPT-1241-SB08-0507-121212		5	7	SO	G	1	✓	✓						

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Diane Fears	12/13/12	1015	1. RECEIVED BY [signature]	12/13/12	1015
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS (2) SEE NOTE ON PAGE 1

S.1.C

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001

January 11, 2013 Service Request No:J1300013

Diane Fears
TriEco, LLC
8640 Philips Highway
Suite 16
Jacksonville, FL 32256

Laboratory Results for: Navsta Mayport

Dear Diane,

Enclosed are the results of the sample(s) submitted to our laboratory January 02, 2013
For your reference, these analyses have been assigned our service request number **J1300013.**

All analyses were performed according to our laboratory's quality assurance program. The test results meet requirements of the NELAP standards except as noted in the case narrative report. All results are intended to be considered in their entirety, and Columbia Analytical Services, Inc. (CAS) is not responsible for use of less than the complete report. Results apply only to the items submitted to the laboratory for analysis and individual items (samples) analyzed, as listed in the report. In accordance to the NELAC 2003 Standard, a statement on the estimated uncertainty of measurement of any quantitative analysis will be supplied upon request.

Please contact me if you have any questions. My extension is 4409. You may also contact me via email at Craig.Myers@alsglobal.com.

Respectfully submitted,

Columbia Analytical Services, Inc. dba ALS Enviromental

Craig Myers
Project Manager

ADDRESS 9143 Philips Highway, Suite 200, Jacksonville, FL 32256
PHONE +1 904 739 2277 | FAX +1 904 739 2011
Columbia Analytical Services, Inc.
Part of the ALS Group A Campbell Brothers Limited Company

ALS Environmental

State Certifications, Accreditations, and Licenses

Agency	Number	Expire Date
Florida Department of Health	E82502	6/30/2013
Louisiana Department of Environmental Quality	02086	6/30/2013
Georgia Department of Natural Resources	958	6/30/2013
Kentucky Division of Waste Management	63	7/5/2013
South Carolina Department of Health and Environmental Control	96021001	6/30/2013
Texas Commision on Environmental Quality	T104704197-09-TX	5/31/2013
Maine Department of Health and Human Services	2011006	2/3/2013
Department of Defense	66206	5/31/2013

Data Qualifiers

Florida-DEP

!	Data deviates from historically established concentration ranges
*	Not reported due to interference
?	Data is rejected and should not be used
A	Value reported is the arithmetic mean of two or more determininations
B	Results based upon colony counts outside the acceptable range.
D	Measurement was made in the field.
E	Extra samples were taken at composite stations
H	Value based on field kit determination; results may not be accurate.
I	The reported value is between the laboratory method detection limit and the laboratory PQL.
J	Estimated value.
K	Off scale low. The value is less than the lowest calibration standard.
L	Off scale high. The analyte is above the acceptable level of quantitation.
M	The MDL/MRL has been elevated because the analyte could not be accurately quantified.
N	Presumptive evidence of presence of material.
O	Sampled, but analysis lost or not performed
Q	Sample held beyond the acceptable holding time.
R	Significant rain in the past 48 hours (typically in excess of 0.5 inches)
T	Estimated value, less than the MDL
U	Indicates that the compound was analyzed for but not detected.
V	Indicates that the analyte was detected in both the sample and the associated method blank.
X	Insufficient individuals were present in the sample to achieve a minimum of 280 organisms for identification (Stream Condition Index Analysis only)
Y	The laboratory analysis was from an unpreserved or improperly preserved sample.
Z	Too many colonies were present, the numeric value represents the filtration volume

Acronyms

ASTM	American Society for Testing and Materials
A2LA	American Association for Laboratory Accreditation
CARB	California Air Resources Board
CAS Number	Chemical Abstract Service registry Number
CFC	Chlorofluorocarbon
CFU	Colony-Forming Unit
DEC	Department of Environmental Conservation
DEQ	Department of Environmental Quality
DHS	Department of Health Services
DOE	Department of Ecology
DOH	Department of Health
EPA	U. S. Environmental Protection Agency
ELAP	Environmental Laboratory Accreditation Program
GC	Gas Chromatography
GC/MS	Gas Chromatography/Mass Spectrometry
LUFT	Leaking Underground Fuel Tank
M	Modified
MCL	Maximum Contaminant Level is the highest permissible concentration of a substance allowed in drinking water as established by the USEPA.
MDL	Method Detection Limit
MPN	Most Probable Number
MRL	Method Reporting Limit
NA	Not Applicable
NC	Not Calculated
NCASI	National Council of the Paper Industry for Air and Stream Improvement
ND	Not Detected
NIOSH	National Institute for Occupational Safety and Health
PQL	Practical Quantitation Limit
RCRA	Resource Conservation and Recovery Act
SIM	Selected Ion Monitoring
TPH	Total Petroleum Hydrocarbons
tr	Trace level is the concentration of an analyte that is less than the PQL but greater than or equal to the MDL.

Client: TriEco, LLC **Service Request:**J1300013
Project: Navsta Mayport/112CO4630

SAMPLE CROSS-REFERENCE

SAMPLE #	CLIENT SAMPLE ID	DATE	TIME
J1300013-001	MPT-1241-MW07-010213	1/2/2013	1030

Client:	TriEco, LLC	**Service Request:**	J1300013
Project:	Navsta Mayport/112CO4630	**Date Collected:**	01/02/13 10:30
Sample Matrix:	Water	**Date Received:**	01/02/13 12:30
Sample Name:	MPT-1241-MW07-010213	**Units:**	ug/L
Lab Code:	J1300013-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	0.607 U	5.05	0.607	1	01/07/13 21:20	1/7/13	
1,2-Dichlorobenzene	0.647 U	5.05	0.647	1	01/07/13 21:20	1/7/13	
1,3-Dichlorobenzene	0.930 U	5.05	0.930	1	01/07/13 21:20	1/7/13	
1,4-Dichlorobenzene	0.920 U	5.05	0.920	1	01/07/13 21:20	1/7/13	
1-Methylnaphthalene	0.738 U	5.05	0.738	1	01/07/13 21:20	1/7/13	
2,4,5-Trichlorophenol	1.32 U	5.05	1.32	1	01/07/13 21:20	1/7/13	
2,4,6-Trichlorophenol	0.899 U	5.05	0.899	1	01/07/13 21:20	1/7/13	
2,4-Dichlorophenol	1.22 U	5.05	1.22	1	01/07/13 21:20	1/7/13	
2,4-Dimethylphenol	1.52 U	5.05	1.52	1	01/07/13 21:20	1/7/13	
2,4-Dinitrophenol	0.768 U	20.2	0.768	1	01/07/13 21:20	1/7/13	
2,4-Dinitrotoluene	1.32 U	5.05	1.32	1	01/07/13 21:20	1/7/13	
2,6-Dinitrotoluene	1.12 U	5.05	1.12	1	01/07/13 21:20	1/7/13	
2-Chloronaphthalene	4.65 U	5.05	4.65	1	01/07/13 21:20	1/7/13	
2-Chlorophenol	1.22 U	5.05	1.22	1	01/07/13 21:20	1/7/13	
2-Methylnaphthalene	0.637 U	5.05	0.637	1	01/07/13 21:20	1/7/13	
2-Methylphenol	1.32 U	5.05	1.32	1	01/07/13 21:20	1/7/13	
2-Nitroaniline	1.52 U	5.05	1.52	1	01/07/13 21:20	1/7/13	
2-Nitrophenol	1.42 U	20.2	1.42	1	01/07/13 21:20	1/7/13	
3- and 4-Methylphenol Coelution	1.02 U	5.05	1.02	1	01/07/13 21:20	1/7/13	
3,3'-Dichlorobenzidine	1.42 U	20.2	1.42	1	01/07/13 21:20	1/7/13	
3-Nitroaniline	1.12 U	5.05	1.12	1	01/07/13 21:20	1/7/13	
4,6-Dinitro-2-methylphenol	1.02 U	20.2	1.02	1	01/07/13 21:20	1/7/13	
4-Bromophenyl Phenyl Ether	1.32 U	5.05	1.32	1	01/07/13 21:20	1/7/13	
4-Chloro-3-methylphenol	1.82 U	5.05	1.82	1	01/07/13 21:20	1/7/13	
4-Chloroaniline	1.42 U	5.05	1.42	1	01/07/13 21:20	1/7/13	
4-Chlorophenyl Phenyl Ether	0.970 U	5.05	0.970	1	01/07/13 21:20	1/7/13	
4-Nitroaniline	1.02 U	5.05	1.02	1	01/07/13 21:20	1/7/13	
4-Nitrophenol	1.82 U	20.2	1.82	1	01/07/13 21:20	1/7/13	
Acenaphthene	4.25 U	5.05	4.25	1	01/07/13 21:20	1/7/13	
Acenaphthylene	1.00 U	5.05	1.00	1	01/07/13 21:20	1/7/13	
Acetophenone	1.62 U	10.1	1.62	1	01/07/13 21:20	1/7/13	
Anthracene	1.62 U	5.05	1.62	1	01/07/13 21:20	1/7/13	
Benz(a)anthracene	1.02 U	5.05	1.02	1	01/07/13 21:20	1/7/13	
Benzo(a)pyrene	1.22 U	5.05	1.22	1	01/07/13 21:20	1/7/13	
Benzo(b)fluoranthene	1.02 U	5.05	1.02	1	01/07/13 21:20	1/7/13	
Benzo(g,h,i)perylene	1.42 U	5.05	1.42	1	01/07/13 21:20	1/7/13	
Benzo(k)fluoranthene	1.82 U	5.05	1.82	1	01/07/13 21:20	1/7/13	
Benzyl Alcohol	1.42 U	5.05	1.42	1	01/07/13 21:20	1/7/13	
Bis(2-chloroethoxy)methane	1.22 U	5.05	1.22	1	01/07/13 21:20	1/7/13	
Bis(2-chloroethyl) Ether	1.92 U	5.05	1.92	1	01/07/13 21:20	1/7/13	
Bis(2-chloroisopropyl) Ether	1.52 U	5.05	1.52	1	01/07/13 21:20	1/7/13	
Bis(2-ethylhexyl) Phthalate	1.52 U	5.05	1.52	1	01/07/13 21:20	1/7/13	
Butyl Benzyl Phthalate	0.869 U	10.1	0.869	1	01/07/13 21:20	1/7/13	

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1300013
Project:	Navsta Mayport/112CO4630	**Date Collected:**	01/02/13 10:30
Sample Matrix:	Water	**Date Received:**	01/02/13 12:30
Sample Name:	MPT-1241-MW07-010213	**Units:**	ug/L
Lab Code:	J1300013-001	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.82 U	5.05	1.82	1	01/07/13 21:20	1/7/13	
Chrysene	1.22 U	5.05	1.22	1	01/07/13 21:20	1/7/13	
Dibenz(a,h)anthracene	1.52 U	5.05	1.52	1	01/07/13 21:20	1/7/13	
Dibenzofuran	1.32 U	5.05	1.32	1	01/07/13 21:20	1/7/13	
Diethyl Phthalate	1.72 U	5.05	1.72	1	01/07/13 21:20	1/7/13	
Dimethyl Phthalate	1.32 U	5.05	1.32	1	01/07/13 21:20	1/7/13	
Di-n-butyl Phthalate	2.23 U	5.05	2.23	1	01/07/13 21:20	1/7/13	
Di-n-octyl Phthalate	2.83 U	5.05	2.83	1	01/07/13 21:20	1/7/13	
Diphenylamine + n-Nitrosodiphenylamine	1.12 U	5.05	1.12	1	01/07/13 21:20	1/7/13	
Fluoranthene	1.42 U	5.05	1.42	1	01/07/13 21:20	1/7/13	
Fluorene	0.849 U	5.05	0.849	1	01/07/13 21:20	1/7/13	
Hexachlorobenzene	1.72 U	5.05	1.72	1	01/07/13 21:20	1/7/13	
Hexachlorobutadiene	1.22 U	5.05	1.22	1	01/07/13 21:20	1/7/13	
Hexachlorocyclopentadiene	0.506 U	5.05	0.506	1	01/07/13 21:20	1/7/13	
Hexachloroethane	0.819 U	5.05	0.819	1	01/07/13 21:20	1/7/13	
Indeno(1,2,3-cd)pyrene	1.72 U	5.05	1.72	1	01/07/13 21:20	1/7/13	
Isophorone	1.82 U	5.05	1.82	1	01/07/13 21:20	1/7/13	
Naphthalene	0.536 U	5.05	0.536	1	01/07/13 21:20	1/7/13	
Nitrobenzene	2.13 U	5.05	2.13	1	01/07/13 21:20	1/7/13	
N-Nitrosodi-n-propylamine	2.23 U	5.05	2.23	1	01/07/13 21:20	1/7/13	
Pentachlorophenol (PCP)	1.12 U	20.2	1.12	1	01/07/13 21:20	1/7/13	
Phenanthrene	1.42 U	5.05	1.42	1	01/07/13 21:20	1/7/13	
Phenol	0.596 U	5.05	0.596	1	01/07/13 21:20	1/7/13	
Pyrene	0.748 U	5.05	0.748	1	01/07/13 21:20	1/7/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	87	2 - 128	01/07/13 21:20	
2-Fluorobiphenyl	80	8 - 135	01/07/13 21:20	
2-Fluorophenol	53	6 - 76	01/07/13 21:20	
Nitrobenzene-d5	68	10 - 125	01/07/13 21:20	
Phenol-d6	40	6 - 56	01/07/13 21:20	
p-Terphenyl-d14	93	4 - 141	01/07/13 21:20	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1300013
Project:	Navsta Mayport/112CO4630	**Date Collected:**	01/02/13 10:30
Sample Matrix:	Water	**Date Received:**	01/02/13 12:30
Sample Name:	MPT-1241-MW07-010213	**Units:**	ug/L
Lab Code:	J1300013-001	**Basis:**	NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0449 U	0.102	0.0449	1	01/09/13 22:10	1/8/13	
2-Methylnaphthalene	0.0449 U	0.102	0.0449	1	01/09/13 22:10	1/8/13	
Acenaphthene	0.0419 U	0.102	0.0419	1	01/09/13 22:10	1/8/13	
Acenaphthylene	0.0256 U	0.102	0.0256	1	01/09/13 22:10	1/8/13	
Anthracene	0.0388 U	0.102	0.0388	1	01/09/13 22:10	1/8/13	
Benz(a)anthracene	0.0358 U	0.102	0.0358	1	01/09/13 22:10	1/8/13	
Benzo(a)pyrene	0.0317 U	0.102	0.0317	1	01/09/13 22:10	1/8/13	
Benzo(b)fluoranthene	0.0256 U	0.102	0.0256	1	01/09/13 22:10	1/8/13	
Benzo(g,h,i)perylene	0.0398 U	0.102	0.0398	1	01/09/13 22:10	1/8/13	
Benzo(k)fluoranthene	0.0358 U	0.102	0.0358	1	01/09/13 22:10	1/8/13	
Chrysene	0.0245 U	0.102	0.0245	1	01/09/13 22:10	1/8/13	
Dibenz(a,h)anthracene	0.0368 U	0.102	0.0368	1	01/09/13 22:10	1/8/13	
Fluoranthene	0.0398 U	0.102	0.0398	1	01/09/13 22:10	1/8/13	
Fluorene	0.0480 U	0.102	0.0480	1	01/09/13 22:10	1/8/13	
Indeno(1,2,3-cd)pyrene	0.0409 U	0.102	0.0409	1	01/09/13 22:10	1/8/13	
Naphthalene	0.0398 U	0.102	0.0398	1	01/09/13 22:10	1/8/13	
Phenanthrene	0.0358 U	0.102	0.0358	1	01/09/13 22:10	1/8/13	
Pyrene	0.0317 U	0.102	0.0317	1	01/09/13 22:10	1/8/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	58	22 - 105	01/09/13 22:10	
p-Terphenyl-d14	91	25 - 127	01/09/13 22:10	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1300013
Project:	Navsta Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1300094-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1,2,4-Trichlorobenzene	0.600 U	5.00	0.600	1	01/07/13 19:29	1/7/13	
1,2-Dichlorobenzene	0.640 U	5.00	0.640	1	01/07/13 19:29	1/7/13	
1,3-Dichlorobenzene	0.920 U	5.00	0.920	1	01/07/13 19:29	1/7/13	
1,4-Dichlorobenzene	0.910 U	5.00	0.910	1	01/07/13 19:29	1/7/13	
1-Methylnaphthalene	0.730 U	5.00	0.730	1	01/07/13 19:29	1/7/13	
2,4,5-Trichlorophenol	1.30 U	5.00	1.30	1	01/07/13 19:29	1/7/13	
2,4,6-Trichlorophenol	0.890 U	5.00	0.890	1	01/07/13 19:29	1/7/13	
2,4-Dichlorophenol	1.20 U	5.00	1.20	1	01/07/13 19:29	1/7/13	
2,4-Dimethylphenol	1.50 U	5.00	1.50	1	01/07/13 19:29	1/7/13	
2,4-Dinitrophenol	0.760 U	20.0	0.760	1	01/07/13 19:29	1/7/13	
2,4-Dinitrotoluene	1.30 U	5.00	1.30	1	01/07/13 19:29	1/7/13	
2,6-Dinitrotoluene	1.10 U	5.00	1.10	1	01/07/13 19:29	1/7/13	
2-Chloronaphthalene	4.60 U	5.00	4.60	1	01/07/13 19:29	1/7/13	
2-Chlorophenol	1.20 U	5.00	1.20	1	01/07/13 19:29	1/7/13	
2-Methylnaphthalene	0.630 U	5.00	0.630	1	01/07/13 19:29	1/7/13	
2-Methylphenol	1.30 U	5.00	1.30	1	01/07/13 19:29	1/7/13	
2-Nitroaniline	1.50 U	5.00	1.50	1	01/07/13 19:29	1/7/13	
2-Nitrophenol	1.40 U	20.0	1.40	1	01/07/13 19:29	1/7/13	
3- and 4-Methylphenol Coelution	1.00 U	5.00	1.00	1	01/07/13 19:29	1/7/13	
3,3'-Dichlorobenzidine	1.40 U	20.0	1.40	1	01/07/13 19:29	1/7/13	
3-Nitroaniline	1.10 U	5.00	1.10	1	01/07/13 19:29	1/7/13	
4,6-Dinitro-2-methylphenol	1.00 U	20.0	1.00	1	01/07/13 19:29	1/7/13	
4-Bromophenyl Phenyl Ether	1.30 U	5.00	1.30	1	01/07/13 19:29	1/7/13	
4-Chloro-3-methylphenol	1.80 U	5.00	1.80	1	01/07/13 19:29	1/7/13	
4-Chloroaniline	1.40 U	5.00	1.40	1	01/07/13 19:29	1/7/13	
4-Chlorophenyl Phenyl Ether	0.960 U	5.00	0.960	1	01/07/13 19:29	1/7/13	
4-Nitroaniline	1.00 U	5.00	1.00	1	01/07/13 19:29	1/7/13	
4-Nitrophenol	1.80 U	20.0	1.80	1	01/07/13 19:29	1/7/13	
Acenaphthene	4.20 U	5.00	4.20	1	01/07/13 19:29	1/7/13	
Acenaphthylene	0.990 U	5.00	0.990	1	01/07/13 19:29	1/7/13	
Acetophenone	1.60 U	10.0	1.60	1	01/07/13 19:29	1/7/13	
Anthracene	1.60 U	5.00	1.60	1	01/07/13 19:29	1/7/13	
Benz(a)anthracene	1.00 U	5.00	1.00	1	01/07/13 19:29	1/7/13	
Benzo(a)pyrene	1.20 U	5.00	1.20	1	01/07/13 19:29	1/7/13	
Benzo(b)fluoranthene	1.00 U	5.00	1.00	1	01/07/13 19:29	1/7/13	
Benzo(g,h,i)perylene	1.40 U	5.00	1.40	1	01/07/13 19:29	1/7/13	
Benzo(k)fluoranthene	1.80 U	5.00	1.80	1	01/07/13 19:29	1/7/13	
Benzyl Alcohol	1.40 U	5.00	1.40	1	01/07/13 19:29	1/7/13	
Bis(2-chloroethoxy)methane	1.20 U	5.00	1.20	1	01/07/13 19:29	1/7/13	
Bis(2-chloroethyl) Ether	1.90 U	5.00	1.90	1	01/07/13 19:29	1/7/13	
Bis(2-chloroisopropyl) Ether	1.50 U	5.00	1.50	1	01/07/13 19:29	1/7/13	
Bis(2-ethylhexyl) Phthalate	1.50 U	5.00	1.50	1	01/07/13 19:29	1/7/13	
Butyl Benzyl Phthalate	0.860 U	10.0	0.860	1	01/07/13 19:29	1/7/13	

COLUMBIA ANALYTICAL SERVICES, INC.
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Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1300013
Project:	Navsta Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1300094-01	**Basis:**	NA

Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
Carbazole	1.80 U	5.00	1.80	1	01/07/13 19:29	1/7/13	
Chrysene	1.20 U	5.00	1.20	1	01/07/13 19:29	1/7/13	
Dibenz(a,h)anthracene	1.50 U	5.00	1.50	1	01/07/13 19:29	1/7/13	
Dibenzofuran	1.30 U	5.00	1.30	1	01/07/13 19:29	1/7/13	
Diethyl Phthalate	1.70 U	5.00	1.70	1	01/07/13 19:29	1/7/13	
Dimethyl Phthalate	1.30 U	5.00	1.30	1	01/07/13 19:29	1/7/13	
Di-n-butyl Phthalate	2.20 U	5.00	2.20	1	01/07/13 19:29	1/7/13	
Di-n-octyl Phthalate	2.80 U	5.00	2.80	1	01/07/13 19:29	1/7/13	
Diphenylamine + n-Nitrosodiphenylamine	1.10 U	5.00	1.10	1	01/07/13 19:29	1/7/13	
Fluoranthene	1.40 U	5.00	1.40	1	01/07/13 19:29	1/7/13	
Fluorene	0.840 U	5.00	0.840	1	01/07/13 19:29	1/7/13	
Hexachlorobenzene	1.70 U	5.00	1.70	1	01/07/13 19:29	1/7/13	
Hexachlorobutadiene	1.20 U	5.00	1.20	1	01/07/13 19:29	1/7/13	
Hexachlorocyclopentadiene	0.500 U	5.00	0.500	1	01/07/13 19:29	1/7/13	
Hexachloroethane	0.810 U	5.00	0.810	1	01/07/13 19:29	1/7/13	
Indeno(1,2,3-cd)pyrene	1.70 U	5.00	1.70	1	01/07/13 19:29	1/7/13	
Isophorone	1.80 U	5.00	1.80	1	01/07/13 19:29	1/7/13	
Naphthalene	0.530 U	5.00	0.530	1	01/07/13 19:29	1/7/13	
Nitrobenzene	2.10 U	5.00	2.10	1	01/07/13 19:29	1/7/13	
N-Nitrosodi-n-propylamine	2.20 U	5.00	2.20	1	01/07/13 19:29	1/7/13	
Pentachlorophenol (PCP)	1.10 U	20.0	1.10	1	01/07/13 19:29	1/7/13	
Phenanthrene	1.40 U	5.00	1.40	1	01/07/13 19:29	1/7/13	
Phenol	0.590 U	5.00	0.590	1	01/07/13 19:29	1/7/13	
Pyrene	0.740 U	5.00	0.740	1	01/07/13 19:29	1/7/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2,4,6-Tribromophenol	93	2 - 128	01/07/13 19:29	
2-Fluorobiphenyl	94	8 - 135	01/07/13 19:29	
2-Fluorophenol	68	6 - 76	01/07/13 19:29	
Nitrobenzene-d5	82	10 - 125	01/07/13 19:29	
Phenol-d6	53	6 - 56	01/07/13 19:29	
p-Terphenyl-d14	89	4 - 141	01/07/13 19:29	

Analytical Report

Client:	TriEco, LLC	**Service Request:**	J1300013
Project:	Navsta Mayport/112CO4630	**Date Collected:**	NA
Sample Matrix:	Water	**Date Received:**	NA
Sample Name:	Method Blank	**Units:**	ug/L
Lab Code:	JQ1300131-01	**Basis:**	NA

Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Analyte Name	Result	MRL	MDL	Dil.	Date Analyzed	Date Extracted	Q
1-Methylnaphthalene	0.0440 U	0.100	0.0440	1	01/09/13 20:14	1/8/13	
2-Methylnaphthalene	0.0440 U	0.100	0.0440	1	01/09/13 20:14	1/8/13	
Acenaphthene	0.0410 U	0.100	0.0410	1	01/09/13 20:14	1/8/13	
Acenaphthylene	0.0250 U	0.100	0.0250	1	01/09/13 20:14	1/8/13	
Anthracene	0.0380 U	0.100	0.0380	1	01/09/13 20:14	1/8/13	
Benz(a)anthracene	0.0350 U	0.100	0.0350	1	01/09/13 20:14	1/8/13	
Benzo(a)pyrene	0.0310 U	0.100	0.0310	1	01/09/13 20:14	1/8/13	
Benzo(b)fluoranthene	0.0250 U	0.100	0.0250	1	01/09/13 20:14	1/8/13	
Benzo(g,h,i)perylene	0.0390 U	0.100	0.0390	1	01/09/13 20:14	1/8/13	
Benzo(k)fluoranthene	0.0350 U	0.100	0.0350	1	01/09/13 20:14	1/8/13	
Chrysene	0.0240 U	0.100	0.0240	1	01/09/13 20:14	1/8/13	
Dibenz(a,h)anthracene	0.0360 U	0.100	0.0360	1	01/09/13 20:14	1/8/13	
Fluoranthene	0.0390 U	0.100	0.0390	1	01/09/13 20:14	1/8/13	
Fluorene	0.0470 U	0.100	0.0470	1	01/09/13 20:14	1/8/13	
Indeno(1,2,3-cd)pyrene	0.0400 U	0.100	0.0400	1	01/09/13 20:14	1/8/13	
Naphthalene	0.0390 U	0.100	0.0390	1	01/09/13 20:14	1/8/13	
Phenanthrene	0.0350 U	0.100	0.0350	1	01/09/13 20:14	1/8/13	
Pyrene	0.0310 U	0.100	0.0310	1	01/09/13 20:14	1/8/13	

Surrogate Name	% Rec	Control Limits	Date Analyzed	Q
2-Fluorobiphenyl	76	22 - 105	01/09/13 20:14	
p-Terphenyl-d14	106	25 - 127	01/09/13 20:14	

Client: TriEco, LLC **Service Request:** J1300013
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code	2,4,6-Tribromophenol 2 - 128	2-Fluorobiphenyl 8 - 135	2-Fluorophenol 6 - 76
MPT-1241-MW07-010213	J1300013-001	87	80	53
Method Blank	JQ1300094-01	93	94	68
Lab Control Sample	JQ1300094-02	83	80	58
MPT-1241-MW07-010213	JQ1300094-03	79	65	47
MPT-1241-MW07-010213	JQ1300094-04	82	69	49

Client: TriEco, LLC **Service Request:** J1300013
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code	Nitrobenzene-d5 10 - 125	Phenol-d6 6 - 56	p-Terphenyl-d14 4 - 141
MPT-1241-MW07-010213	J1300013-001	68	40	93
Method Blank	JQ1300094-01	82	53	89
Lab Control Sample	JQ1300094-02	74	45	77
MPT-1241-MW07-010213	JQ1300094-03	59	36	70
MPT-1241-MW07-010213	JQ1300094-04	59	37	94

Client: TriEco, LLC **Service Request:** J1300013
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Extraction Method: EPA 3510C

Sample Name	Lab Code
MPT-1241-MW07-010213	J1300013-001
Method Blank	JQ1300094-01
Lab Control Sample	JQ1300094-02
MPT-1241-MW07-010213	JQ1300094-03
MPT-1241-MW07-010213	JQ1300094-04

Client: TriEco, LLC **Service Request:** J1300013
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

SURROGATE RECOVERY SUMMARY
Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Extraction Method: EPA 3510C

Sample Name	Lab Code	2-Fluorobiphenyl 22 - 105	p-Terphenyl-d14 25 - 127
MPT-1241-MW07-010213	J1300013-001	58	91
Method Blank	JQ1300131-01	76	106
Lab Control Sample	JQ1300131-02	74	93
MPT-1241-MW07-010213	JQ1300131-03	51	96
MPT-1241-MW07-010213	JQ1300131-04	55	102

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

Service Request:J1300013
Date Collected:01/02/13
Date Received:01/02/13
Date Analyzed:01/8/13
Date Extracted:01/7/13

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: MPT-1241-MW07-010213
Lab Code: J1300013-001
Analysis Method: 8270C
Prep Method: EPA 3510C

Units:ug/L
Basis:NA

		Matrix Spike JQ1300094-03			Duplicate Matrix Spike JQ1300094-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1,2,4-Trichlorobenzene	ND	32.8	50.5	65	33.8	50.5	67	31-130	3	30
1,2-Dichlorobenzene	ND	32.3	50.5	64	32.6	50.5	65	32-127	<1	30
1,3-Dichlorobenzene	ND	31.2	50.5	62	32.2	50.5	64	29-125	3	30
1,4-Dichlorobenzene	ND	32.4	50.5	64	32.6	50.5	65	30-129	<1	30
1-Methylnaphthalene	ND	33.3	50.5	66	33.5	50.5	66	34-137	<1	30
2,4,5-Trichlorophenol	ND	43.5	50.5	86 *	43.2	50.5	86	32-50	<1	30
2,4,6-Trichlorophenol	ND	39.0	50.5	77	41.2	50.5	82	31-147	6	30
2,4-Dichlorophenol	ND	36.1	50.5	71	36.8	50.5	73	32-137	2	30
2,4-Dimethylphenol	ND	35.7	50.5	71	36.1	50.5	71	35-134	1	30
2,4-Dinitrophenol	ND	40.0	50.5	79	35.7	50.5	71	17-150	11	30
2,4-Dinitrotoluene	ND	44.4	50.5	88	41.6	50.5	82	34-160	6	30
2,6-Dinitrotoluene	ND	43.4	50.5	86	42.5	50.5	84	35-153	2	30
2-Chloronaphthalene	ND	35.9	50.5	71	36.3	50.5	72	35-138	1	30
2-Chlorophenol	ND	33.9	50.5	67	33.8	50.5	67	30-124	<1	30
2-Methylnaphthalene	ND	33.7	50.5	67	33.7	50.5	67	29-143	<1	30
2-Methylphenol	ND	33.7	50.5	67	34.1	50.5	67	34-118	<1	30
2-Nitroaniline	ND	40.8	50.5	81	39.2	50.5	78	26-171	4	30
2-Nitrophenol	ND	36.9	50.5	73	37.6	50.5	74	24-143	2	30
3- and 4-Methylphenol Coelution	ND	31.3	50.5	62	30.7	50.5	61	30-117	2	30
3,3'-Dichlorobenzidine	ND	44.7	50.5	89	39.4	50.5	78	43-151	13	30
3-Nitroaniline	ND	45.4	50.5	90	41.8	50.5	83	39-145	8	30
4,6-Dinitro-2-methylphenol	ND	41.8	50.5	83	39.0	50.5	77	16-167	7	30
4-Bromophenyl Phenyl Ether	ND	41.3	50.5	82	41.7	50.5	83	43-145	1	30
4-Chloro-3-methylphenol	ND	40.2	50.5	80	38.7	50.5	77	34-145	4	30
4-Chloroaniline	ND	35.8	50.5	71	35.0	50.5	69	36-138	2	30
4-Chlorophenyl Phenyl Ether	ND	39.2	50.5	78	38.6	50.5	76	39-148	2	30
4-Nitroaniline	ND	48.9	50.5	97	40.7	50.5	81	40-148	18	30
4-Nitrophenol	ND	12.5	50.5	25	13.8	50.5	27	14-98	10	30
Acenaphthene	ND	38.2	50.5	76	38.4	50.5	76	32-147	<1	30
Acenaphthylene	ND	39.2	50.5	78	39.0	50.5	77	33-142	<1	30
Acetophenone	ND	34.2	50.5	68	33.4	50.5	66	33-133	3	30
Anthracene	ND	43.7	50.5	86	43.0	50.5	85	41-146	1	30
Benz(a)anthracene	ND	43.5	50.5	86	45.6	50.5	90	37-154	5	30
Benzo(a)pyrene	ND	44.5	50.5	88	44.0	50.5	87	38-150	1	30
Benzo(b)fluoranthene	ND	42.7	50.5	85	43.7	50.5	87	43-149	2	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
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QA/QC Report

Client: TriEco, LLC
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

Service Request:J1300013
Date Collected:01/02/13
Date Received:01/02/13
Date Analyzed:01/8/13
Date Extracted:01/7/13

Duplicate Matrix Spike Summary
Semivolatile Organic Compounds by GC/MS

Sample Name: MPT-1241-MW07-010213
Lab Code: J1300013-001
Analysis Method: 8270C
Prep Method: EPA 3510C

Units:ug/L
Basis:NA

		Matrix Spike JQ1300094-03			Duplicate Matrix Spike JQ1300094-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
Benzo(g,h,i)perylene	ND	59.2	50.5	117	44.9	50.5	89	34-150	28	30
Benzo(k)fluoranthene	ND	39.5	50.5	78	44.4	50.5	88	35-147	12	30
Benzyl Alcohol	ND	33.2	50.5	66	32.4	50.5	64	31-125	3	30
Bis(2-chloroethoxy)methane	ND	35.5	50.5	70	35.9	50.5	71	32-139	1	30
Bis(2-chloroethyl) Ether	ND	35.0	50.5	69	34.4	50.5	68	26-137	2	30
Bis(2-chloroisopropyl) Ether	ND	30.9	50.5	61	31.0	50.5	61	26-143	<1	30
Bis(2-ethylhexyl) Phthalate	ND	42.9	50.5	85	48.4	50.5	96	42-155	12	30
Butyl Benzyl Phthalate	ND	42.3	50.5	84	50.9	50.5	101	37-156	18	30
Carbazole	ND	46.4	50.5	92	42.4	50.5	84	40-149	9	30
Chrysene	ND	44.8	50.5	89	45.9	50.5	91	40-148	2	30
Dibenz(a,h)anthracene	ND	56.3	50.5	111	42.0	50.5	83	35-155	29	30
Dibenzofuran	ND	38.5	50.5	76	38.1	50.5	75	36-149	1	30
Diethyl Phthalate	ND	42.2	50.5	84	40.8	50.5	81	40-151	4	30
Dimethyl Phthalate	ND	41.8	50.5	83	40.4	50.5	80	38-150	3	30
Di-n-butyl Phthalate	ND	43.2	50.5	85	42.0	50.5	83	44-149	3	30
Di-n-octyl Phthalate	ND	37.3	50.5	74	46.0	50.5	91	44-152	21	30
Diphenylamine + n-Nitrosodiphenylamine	ND	42.6	50.5	84	40.5	50.5	80	38-152	5	30
Fluoranthene	ND	43.9	50.5	87	39.9	50.5	79	40-148	10	30
Fluorene	ND	40.9	50.5	81	39.3	50.5	78	38-147	4	30
Hexachlorobenzene	ND	40.4	50.5	80	41.8	50.5	83	43-148	3	30
Hexachlorobutadiene	ND	30.5	50.5	60	31.5	50.5	62	34-135	3	30
Hexachlorocyclopentadiene	ND	33.9	50.5	67	33.2	50.5	66	26-140	2	30
Hexachloroethane	ND	29.0	50.5	57	29.9	50.5	59	30-133	3	30
Indeno(1,2,3-cd)pyrene	ND	56.6	50.5	112	41.4	50.5	82	35-151	31*	30
Isophorone	ND	34.9	50.5	69	35.2	50.5	70	34-142	<1	30
Naphthalene	ND	34.0	50.5	67	34.2	50.5	68	33-130	<1	30
Nitrobenzene	ND	32.2	50.5	64	31.5	50.5	62	35-137	2	30
N-Nitrosodi-n-propylamine	ND	32.6	50.5	65	31.8	50.5	63	36-138	3	30
Pentachlorophenol (PCP)	ND	41.9	50.5	83	43.4	50.5	86	21-177	4	30
Phenanthrene	ND	43.7	50.5	86	43.5	50.5	86	41-145	<1	30
Phenol	ND	20.7	50.5	41	20.9	50.5	41	2-95	<1	30
Pyrene	ND	42.1	50.5	83	57.0	50.5	113	38-149	30	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

COLUMBIA ANALYTICAL SERVICES, INC.
Now part of the ALS Group

QA/QC Report

Client: TriEco, LLC
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

Service Request:J1300013
Date Collected:01/02/13
Date Received:01/02/13
Date Analyzed:01/9/13
Date Extracted:01/8/13

Duplicate Matrix Spike Summary
Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Sample Name: MPT-1241-MW07-010213
Lab Code: J1300013-001
Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Units:ug/L
Basis:NA

		Matrix Spike JQ1300131-03			Duplicate Matrix Spike JQ1300131-04					
Analyte Name	**Sample Result**	**Result**	**Spike Amount**	**% Rec**	**Result**	**Spike Amount**	**% Rec**	**% Rec Limits**	**RPD**	**RPD Limit**
1-Methylnaphthalene	ND	1.05	2.04	51	1.12	2.04	55	50-101	6	30
2-Methylnaphthalene	ND	0.966	2.04	47 *	1.03	2.04	51	49-100	7	30
Acenaphthene	ND	1.19	2.04	59	1.29	2.04	63	46-108	8	30
Acenaphthylene	ND	1.15	2.04	56	1.25	2.04	61	48-111	9	30
Anthracene	ND	1.40	2.04	68	1.47	2.04	72	56-104	5	30
Benz(a)anthracene	ND	1.82	2.04	89	1.92	2.04	94	32-125	6	30
Benzo(a)pyrene	ND	1.60	2.04	78	1.72	2.04	84	33-111	7	30
Benzo(b)fluoranthene	ND	1.62	2.04	79	1.79	2.04	88	33-116	10	30
Benzo(g,h,i)perylene	ND	1.43	2.04	70	1.35	2.04	66	18-114	5	30
Benzo(k)fluoranthene	ND	1.29	2.04	63	1.41	2.04	69	37-113	8	30
Chrysene	ND	1.59	2.04	78	1.70	2.04	83	38-117	7	30
Dibenz(a,h)anthracene	ND	1.46	2.04	72	1.40	2.04	68	13-121	5	30
Fluoranthene	ND	1.54	2.04	75	1.63	2.04	80	55-111	6	30
Fluorene	ND	1.27	2.04	62	1.38	2.04	68	42-120	8	30
Indeno(1,2,3-cd)pyrene	ND	1.57	2.04	77	1.56	2.04	76	14-118	<1	30
Naphthalene	ND	0.949	2.04	46	0.928	2.04	45	41-105	2	30
Phenanthrene	ND	1.41	2.04	69	1.50	2.04	74	56-103	6	30
Pyrene	ND	1.79	2.04	88	1.92	2.04	94	36-124	7	30

Results flagged with an asterisk (*) indicate values outside control criteria.

Results flagged with a pound (#) indicate the control criteria is not applicable.

Percent recoveries and relative percent differences (RPD) are determined by the software using values in the calculation which have not been rounded.

Client: TriEco, LLC
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

Service Request:J1300013
Date Analyzed:01/07/13
Date Extracted:01/07/13

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Units:ug/L
Basis:NA
Analysis Lot:324949

Lab Control Sample
JQ1300094-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1,2,4-Trichlorobenzene	38.7	50.0	77	31-130
1,2-Dichlorobenzene	38.8	50.0	78	32-127
1,3-Dichlorobenzene	37.2	50.0	74	29-125
1,4-Dichlorobenzene	37.7	50.0	75	30-129
1-Methylnaphthalene	40.6	50.0	81	34-137
2,4,5-Trichlorophenol	44.1	50.0	88	32-150
2,4,6-Trichlorophenol	43.4	50.0	87	31-147
2,4-Dichlorophenol	40.6	50.0	81	32-137
2,4-Dimethylphenol	41.3	50.0	83	35-134
2,4-Dinitrophenol	46.1	50.0	92	17-150
2,4-Dinitrotoluene	44.0	50.0	88	34-160
2,6-Dinitrotoluene	45.6	50.0	91	35-153
2-Chloronaphthalene	40.9	50.0	82	35-138
2-Chlorophenol	39.5	50.0	79	30-124
2-Methylnaphthalene	40.8	50.0	82	29-143
2-Methylphenol	40.7	50.0	81	34-118
2-Nitroaniline	39.3	50.0	79	26-171
2-Nitrophenol	40.7	50.0	81	24-143
3- and 4-Methylphenol Coelution	38.6	50.0	77	30-117
3,3'-Dichlorobenzidine	44.3	50.0	89	43-151
3-Nitroaniline	45.0	50.0	90	39-145
4,6-Dinitro-2-methylphenol	42.5	50.0	85	16-167
4-Bromophenyl Phenyl Ether	44.5	50.0	89	43-145
4-Chloro-3-methylphenol	42.6	50.0	85	34-145
4-Chloroaniline	41.6	50.0	83	36-138
4-Chlorophenyl Phenyl Ether	43.1	50.0	86	39-148
4-Nitroaniline	44.4	50.0	89	40-148
4-Nitrophenol	22.6	50.0	45	14-98
Acenaphthene	43.5	50.0	87	32-147
Acenaphthylene	43.8	50.0	88	33-142
Acetophenone	41.5	50.0	83	33-133
Anthracene	44.0	50.0	88	41-146
Benz(a)anthracene	43.8	50.0	88	37-157
Benzo(a)pyrene	45.0	50.0	90	38-150
Benzo(b)fluoranthene	40.6	50.0	81	43-149
Benzo(g,h,i)perylene	50.8	50.0	102	34-150
Benzo(k)fluoranthene	44.0	50.0	88	35-147
Benzyl Alcohol	40.5	50.0	81	31-125
Bis(2-chloroethoxy)methane	42.8	50.0	86	32-139
Bis(2-chloroethyl) Ether	41.9	50.0	84	26-137
Bis(2-chloroisopropyl) Ether	37.1	50.0	74	26-143

Client: TriEco, LLC
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

Service Request:J1300013
Date Analyzed:01/07/13
Date Extracted:01/07/13

Lab Control Sample Summary
Semivolatile Organic Compounds by GC/MS

Analysis Method: 8270C
Prep Method: EPA 3510C

Units:ug/L
Basis:NA
Analysis Lot:324949

Lab Control Sample
JQ1300094-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
Bis(2-ethylhexyl) Phthalate	48.7	50.0	97	42-155
Butyl Benzyl Phthalate	44.4	50.0	89	37-156
Carbazole	43.8	50.0	88	40-149
Chrysene	44.9	50.0	90	40-148
Dibenz(a,h)anthracene	51.0	50.0	102	36-155
Dibenzofuran	42.5	50.0	85	36-149
Diethyl Phthalate	43.2	50.0	86	40-151
Dimethyl Phthalate	42.6	50.0	85	38-150
Di-n-butyl Phthalate	44.8	50.0	90	44-149
Di-n-octyl Phthalate	45.7	50.0	91	44-152
Diphenylamine + n-Nitrosodiphenylamine	44.5	50.0	89	38-152
Fluoranthene	42.4	50.0	85	40-148
Fluorene	43.8	50.0	88	38-147
Hexachlorobenzene	43.2	50.0	86	43-148
Hexachlorobutadiene	36.5	50.0	73	34-135
Hexachlorocyclopentadiene	36.1	50.0	72	26-140
Hexachloroethane	35.8	50.0	72	30-133
Indeno(1,2,3-cd)pyrene	50.7	50.0	101	35-151
Isophorone	41.0	50.0	82	34-142
Naphthalene	40.3	50.0	81	33-130
Nitrobenzene	38.1	50.0	76	35-137
N-Nitrosodi-n-propylamine	40.2	50.0	80	36-138
Pentachlorophenol (PCP)	46.9	50.0	94	21-177
Phenanthrene	43.8	50.0	88	41-145
Phenol	25.1	50.0	50	2-95
Pyrene	42.8	50.0	86	38-149

Client: TriEco, LLC
Project: Navsta Mayport/112CO4630
Sample Matrix: Water

Service Request:J1300013
Date Analyzed:01/09/13
Date Extracted:01/08/13

Lab Control Sample Summary
Base Neutral Semivolatile Organic Compounds by GC/MS SIM

Analysis Method: 8270C SIM
Prep Method: EPA 3510C

Units:ug/L
Basis:NA
Analysis Lot:325384

Lab Control Sample
JQ1300131-02

Analyte Name	Result	Spike Amount	% Rec	% Rec Limits
1-Methylnaphthalene	1.50	2.00	75	34-107
2-Methylnaphthalene	1.44	2.00	72	41-107
Acenaphthene	1.58	2.00	79	41-109
Acenaphthylene	1.52	2.00	76	44-120
Anthracene	1.59	2.00	80	50-115
Benz(a)anthracene	1.86	2.00	93	46-133
Benzo(a)pyrene	1.82	2.00	91	49-122
Benzo(b)fluoranthene	1.72	2.00	86	48-122
Benzo(g,h,i)perylene	1.94	2.00	97	49-114
Benzo(k)fluoranthene	1.43	2.00	71	51-119
Chrysene	1.68	2.00	84	51-117
Dibenz(a,h)anthracene	2.01	2.00	100	48-121
Fluoranthene	1.70	2.00	85	52-122
Fluorene	1.66	2.00	83	46-113
Indeno(1,2,3-cd)pyrene	2.41	2.00	121	45-121
Naphthalene	1.50	2.00	75	42-104
Phenanthrene	1.62	2.00	81	49-107
Pyrene	1.59	2.00	79	49-128

ALS Environmental

Cooler Receipt Form

Client: _____ Service Request #: J1300013

Project: _____

Cooler received on 1/2/13 and opened on 1/2/13 by SC

COURIER: ALS UPS FEDEX Client Other _____ Airbill # _____

1	Were custody seals on outside of cooler?	Yes	No				
	If yes, how many and where?	#:___ on lid	other				
2	Were seals intact and signature and date correct?	Yes	No	N/A			
3	Were custody papers properly filled out?	Yes	No	N/A			
4	Temperature of cooler(s) upon receipt (Should be > 0°C and < 6°C)	0.6°C					
5	Thermometer ID	T71					
6	Temperature Blank Present?	Yes	No				
7	Were Ice or Ice Packs present	Ice	Ice Packs	No			
8	Did all bottles arrive in good condition (unbroken, etc....)?	Yes	No	N/A			
9	Type of packing material present	Netting	Vial Holder	Bubble Wrap	Paper	Styrofoam	Other	N/A
10	Were all bottle labels complete (sample ID, preservation, etc....)?	Yes	No	N/A			
11	Did all bottle labels and tags agree with custody papers?	Yes	No	N/A			
12	Were the correct bottles used for the tests indicated?	Yes	No	N/A			
13	Were all of the preserved bottles received with the appropriate preservative?	Yes	No	N/A			
	HNO3 pH<2 H2SO4 pH<2 ZnAc2/NaOH pH>9 NaOH pH>12 HCl pH<2						
	Preservative additions noted below						
14	Were all samples received within analysis holding times?	Yes	No	N/A			
15	Were all VOA vials free of air bubbles? If present, note below	Yes	No	N/A			
16	Where did the bottles originate?	ALS	Client				

Sample ID	Reagent	Lot #	ml added	Initials Date/Time

Additional comments and/or explanation of all discrepancies noted above:

Client approval to run samples if discrepancies noted: Date:

J1300013

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER № 2633 | PAGE 1 OF 1

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112C04630	NAVSTA MAYPORT	DFEARS	904-803-6353	ALS
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: DFEARS	PHONE NUMBER: 904-803-6353	ADDRESS: 9143 PHILIP HIGHWAY STE 200
		CARRIER/WAYBILL NUMBER		CITY, STATE: JACKSONVILLE, FL

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

J1300013 5
TriEco, LLC
Navsta Mayport

DATE YEAR 2013	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: SVOC 8270	PAH-SIM 8270							COMMENTS
		CONTAINER TYPE PLASTIC (P) or GLASS (G)							G	G							
		PRESERVATIVE USED							—	—							
1/2	1030	MPT-1241-GW07-010213				GW	G	6	✓	✓							MS MSD COLLECTED
																	COOL TO 4°C

1. RELINQUISHED BY: DFears	DATE: 1/2/13	TIME: 1230	1. RECEIVED BY: [signature] ALS	DATE: 1/2/13	TIME: 1230
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

DISTRIBUTION: WHITE (ACCOMPANIES SAMPLE) YELLOW (FIELD COPY) PINK (FILE COPY)

4/02R
FORM NO. TtNUS-001