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FINAL CORRECTIVE MEASURES STUDY FOR SOLID WASTE MANAGEMENT UNITS 19, 26, 28 AND 56 WITH TRANSMITTAL LETTER NS MAYPORT FL
6/26/2013
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June 26, 2013

Project Number 112G00436

Naval Facilities Engineering Command, Southeast
ATTN: Mr. Dana Hayworth (OPC 6)
Remedial Project Manager
135 Ajax Street North, Building 135
Naval Air Station Jacksonville
Jacksonville, FL 32212-0030

Reference: CLEAN IV Contract Number N62467-04-D-0055
Contract Task Order Number 0033

Subject: Final Corrective Measures Study for Solid Waste Management Units (SWMUs) 19, 26, 28, and 56, Naval Station (NAVSTA) Mayport, Jacksonville, Florida

Dear Mr. Hayworth:

Tetra Tech is pleased to submit the Final Corrective Measures Study for SWMUs 19, 26, 28, and 56 that was prepared for the United States Navy, Naval Facilities Engineering Command Southeast under Contract Task Order (CTO) 0033 for the Comprehensive Long-term Environmental Action Navy (CLEAN) IV Contract Number N62467-04-D-0055. Members of the NAVSTA Mayport Partnering Team reviewed the draft-final report, and no comments were received.

If you have any questions with regard to this submittal, please do not hesitate to contact me by telephone at (904) 730-4669, extension 215, or via e-mail at Gregory.Roof@tetratech.com.

Sincerely,

Gregory S. Roof
Project Manager

GSR/lc

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Comprehensive Long-term Environmental Action Navy

CONTRACT NUMBER N62467-04-D-0055

Rev. 2
06/26/13

Corrective Measures Study
for
Solid Waste Management Units (SWMUs) 19, 26, 28 and 56

Naval Station Mayport
Jacksonville, Florida

Contract Task Order 0033

June 2013

NAVFAC
Naval Facilities Engineering Command
NAVFAC SOUTHEAST

NAS Jacksonville
Jacksonville, Florida 32212-0030

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CORRECTIVE MEASURES STUDY
FOR
SOLID WASTE MANAGEMENT UNITS 19, 26, 28, AND 56

NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

COMPREHENSIVE LONG-TERM
ENVIRONMENTAL ACTION NAVY (CLEAN) CONTRACT

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

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CONTRACT NUMBER N62467-04-D-0055
CONTRACT TASK ORDER 0033

JUNE 2013

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The professions opinions rendered in this decision document identified as the *Corrective Measures Study for Solid Waste Management Units 19, 26, 28, and 56, Naval Station Mayport, Jacksonville, Florida*, dated June 26, 2013, were developed in accordance with commonly accepted procedures consistent with applicable standards of practice. This document was prepared under the supervision of the signing engineer and is based in part 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.

June 26, 2013
Gregory S. Roof, P.E.
Professional Engineering Number 50841
Tetra Tech Engineering Number 7988

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ACRONYMS AND ABBREVIATIONS

ABB-ES	ABB Environmental Services, Inc.
AOC	area of concern
bgs	below ground surface
BSV	background screening value
CAMP	Corrective Action Management Plan
CAO	Corrective Action Objective
CMS	Corrective Measures Study
COC	contaminant of concern
COI	contaminant of interest
COPC	contaminant of potential concern
CTL	Cleanup Target Level
DDE	dichlorodiphenyldichloroethylene
DRMO	Defense Reutilization and Marketing Office
ELCR	excess lifetime cancer risk
ESE	Environmental Science and Engineering, Inc.
F.A.C.	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FRCSE	Fleet Readiness Center Southeast
GCTL	Groundwater Cleanup Target Level
GIR	General Information Report
GPS	global positioning system
HSWA	Hazardous and Solid Waste Amendments
IAS	Initial Assessment Study
IM	interim measure
LUC	land use control
µg/kg	microgram per kilogram
µg/L	microgram per liter
MCO	Media Cleanup Objective
mg/kg	milligram per kilogram
mg/L	milligram per liter
NADEP	Naval Aviation Depot
NAVFAC SE	Naval Facilities Engineering Command Southeast
NAVSTA	Naval Station
O&M	operation and maintenance

ACRONYMS AND ABBREVIATIONS (CONTINUED)

PCB	polychlorinated biphenyl
RBC	risk-based concentration
RCRA	Resource Conservation and Recovery Act
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
SCTL	Soil Cleanup Target Level
SERMC	Southeast Region Maintenance Command
SSL	soil screening level
SVOC	semivolatile organic compound
SWCTL	surface water cleanup target level
SWMU	Solid Waste Management Unit
TCLP	toxicity characteristic leaching procedure
TSDF	Treatment, Storage, and Disposal Facility
USEPA	United States Environmental Protection Agency
VOC	volatile organic compound
VSI	visual site inspection

EXECUTIVE SUMMARY

A Corrective Measures Study (CMS) has been conducted for Solid Waste Management Units (SWMUs) 19, 26, 28, and 52 at Naval Station (NAVSTA) Mayport in Jacksonville, Florida, by the United States Navy, Naval Facilities Engineering Command Southeast pursuant to the Resource Conservation and Recovery Act (RCRA). This CMS was conducted in accordance with the Hazardous and Solid Waste Amendments (HSWA) Permit FL9 170 024 260, revised and reissued by the Florida Department of Environmental Protection on August 17, 2009. The HSWA/RCRA program is designed to identify and clean up releases of hazardous substances at RCRA-permitted facilities. RCRA ensures that solid and hazardous wastes are managed in an environmentally sound manner. The law applies primarily to facilities that generate or handle hazardous waste.

The RCRA program is conducted in the following three stages:

1. The RCRA Facility Assessment (RFA) identifies SWMUs, evaluates the potential for releases of contaminants, and determines the need for future investigations.

2. The RCRA Facility Investigation then determines the nature, extent, and fate of contaminant releases.

3. The CMS identifies and recommends measures to correct the releases.

The RFA Report for NAVSTA Mayport was issued in September 1989. The RFA Site Visit Report for SWMUs 19, 26, 28, and 56 was issued in December 1995. This report presents the results of the CMS including the following:

- Determination of the Media Cleanup Objectives (MCOs) using the recently approved regulation Chapter 62-777, Florida Administrative Code (F.A.C.).
- Selection of contaminants of concern (COCs).
- Determination of areas and volumes of impacted media exceeding the MCOs.
- Development, screening, and evaluation of corrective measure alternatives.
- Recommendation of corrective action to address contaminated media.

This CMS Report contains the results of the identification, screening, and evaluation of corrective measure alternatives for all media at the following sites:

- SWMU 19, Naval Aviation Depot (NADEP) Blasting Area
- SWMU 26, Landfill C

- SWMU 28, Defense Reutilization and Marketing Office (DRMO) Yard
- SWMU 56, Building 1552 Accumulation Area

This CMS Report was submitted to the NAVSTA Mayport Partnering Team prior to 2006; however, it was not finalized prior to the promulgation of Chapters 62-777 and 62-780, F.A.C. This revision incorporates the requirements of these regulations.

SWMU 19, NADEP Blasting Area

SWMU 19, the NADEP Blasting Area, is located north of NADEP Buildings 1470 and 1471 approximately 25 feet from the St. Johns River. The area was used for abrasive blasting of unpainted aircraft carrier parts, including catapult and arresting gear for carrier flight decks. Abrasive blasting was conducted in this area from approximately 1981 until 1989. The area, approximately 75 feet in diameter, is outside, and blasting occurred on a blasting rack that was located over bare soil.

According to the visual site inspection (VSI) conducted as part of the RFA (Kearney, 1989), the abrasive used in blasting is Black Beauty^{tm}, a slag product marketed for sand blasting purposes. At the time of the VSI in 1989, Black Beauty^{tm} was piled on the ground around the blasting grate and spread over an area approximately 75 feet in diameter.

Surface Soil

No surface soil COCs were identified for SWMU 19; therefore, No Action is recommended for surface soil at SWMU 19.

Subsurface Soil

No subsurface soil COCs were identified for SWMU 19; therefore, No Action is recommended for subsurface soil at SWMU 19.

Groundwater

No groundwater COCs were identified for SWMU 19; therefore, No Action is recommended for the groundwater at SWMU 19.

SWMU 26, Landfill C

SWMU 26, Landfill C, is located north of Landfill B (SWMU 2) in the central portion of NAVSTA Mayport. SWMU 26 was reported to be used in 1963 for one-time disposal of scrap metal and construction debris transported to NAVSTA Mayport from the Green Cove Springs Naval Facility (Kearney, 1989). Currently,

no written documentation has been found to corroborate the disposal of material from the Green Cove Springs Naval Facility.

The disposal area consisted of a trench approximately 100 feet long, 20 feet wide, and 8 feet deep into which debris was placed. The landfill is now covered with soil and supports vegetation (Disturbed Messic Flatwood with slash pines, cedar, cherry laurels, and cabbage palms and a dense undergrowth of woody and herbaceous plants) (ABB-ES, 1995c). No hazardous wastes were disposed at the site according to the Initial Assessment Study (ESE, 1986).

Surface Soil

No surface soil COCs were identified for SWMU 26. Since the area was used as a landfill and the disposed debris has not been removed, land use controls (LUCs) are recommended for surface soil at SWMU 26.

Subsurface Soil

No subsurface soil COCs were identified for SWMU 26. Since the area was used as a landfill and the disposed debris has not been removed, LUCs are recommended for subsurface soil at SWMU 26.

Groundwater

No groundwater COCs were identified for SWMU 26. Since the area was used as a landfill and the disposed debris has not been removed, LUCs are recommended for the groundwater at SWMU 26.

SWMU 28, DRMO Yard

SWMU 28, the DRMO Storage Area, is located in the northern portion of NAVSTA Mayport on an abandoned asphalt runway, south of the former Oily Waste Pit (SWMU 6) and the Oily Waste Treatment Plant sludge drying beds (SWMU 7). The storage area is located on an abandoned runway approximately 1,300 feet long and 150 feet wide, oriented west to east parallel to the St. Johns River, and an area of runway that extends to the south approximately 800 feet from the western end of the SWMU. The entire DRM0 area is fenced.

SWMU 28 is used for staging scrap metal and other items turned in to the DRMO for salvage. The area has been in use since 1967, and items stored there that may have leaked or spilled include transformers (oils and polychlorinated biphenyls), paints (lead), and solvents (chlorinated and non-chlorinated).

Surface Soil

No surface soil COCs were identified for SWMU 28; therefore, No Action is recommended for surface soil at SWMU 28.

Subsurface Soil

No subsurface soil COCs were identified for SWMU 28; therefore, No Action is recommended for subsurface soil at SWMU 28.

Groundwater

No groundwater COCs were identified for SWMU 28; therefore, No Action is recommended for the groundwater at SWMU 28.

SWMU 56, Building 1552 Accumulation Area

SWMU 56, the Building 1552 Accumulation Area, is located south of the squadron helicopter hangar. The site has been in operation since approximately 1985. SWMU 56 consists of a stained area of stressed vegetation. The site is a 90-day accumulation area (satellite storage area) for steel drums containing wastes such as solvents, paint thinners, used rags, aerosol cans, and waste oils.

The Building 1552 Accumulation Area was identified as a SWMU in the RFA because a stained area with sparse vegetation was observed east of the site (Kearney, 1989). Residual adsorbent material was also observed in the grass along the edge of the concrete pad.

Surface Soil

No surface soil COCs were identified for SWMU 56; therefore, No Action is recommended for surface soil at SWMU 56.

Subsurface Soil

No subsurface soil COCs were identified for SWMU 56; therefore, No Action is recommended for subsurface soil at SWMU 56.

Groundwater

No groundwater COCs were identified for SWMU 56; therefore, No Action is recommended for the groundwater at SWMU 56.

1.0 INTRODUCTION

A Corrective Measures Study (CMS) has been conducted for Solid Waste Management Units (SWMUs) 19, 26, 28, and 56 at Naval Station (NAVSTA) Mayport, in Jacksonville, Florida, by the Naval Facilities Engineering Command Southeast (NAVFAC SE) pursuant to the Resource Conservation and Recovery Act (RCRA). Tetra Tech has been contracted by NAVFAC SE to complete the CMS under the Comprehensive Long-term Environmental Action Navy IV Contract Number N62467-04-D-0055. This report presents the results of the CMS including the following:

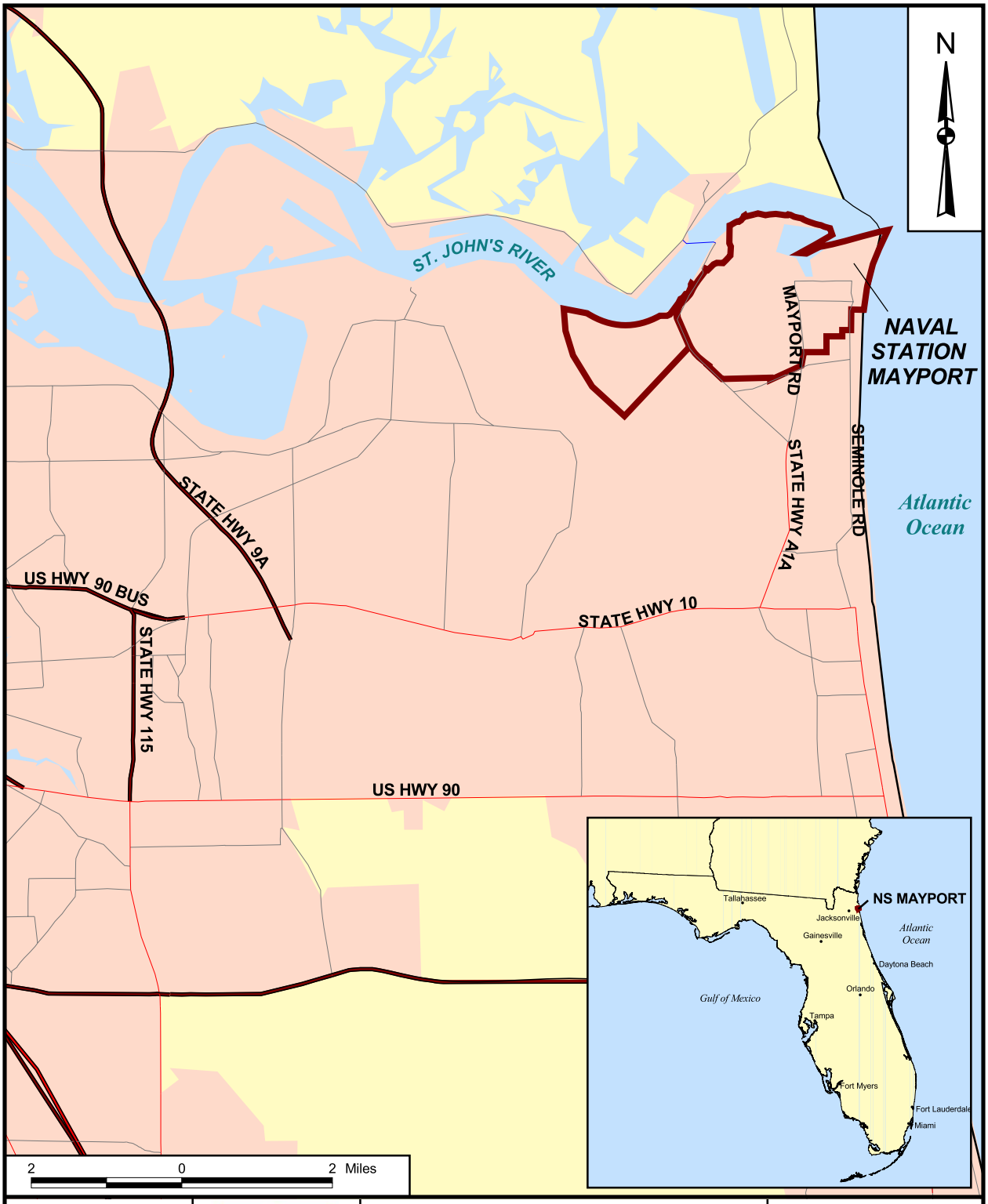
- Determination of the Media Cleanup Objectives (MCOs) using Chapter 62-777, Florida Administrative Code (F.A.C.), and NAVSTA Mayport Background criteria (Tetra Tech, 2000; Tetra Tech, 2008).
- Selection of contaminants of concern (COCs).
- Determination of areas and volumes of impacted media exceeding the MCOs.
- Development, screening, and evaluation of corrective measure alternatives.
- Recommendation of corrective action to address contaminated media at SWMUs 19, 26, 28, and 56.

This CMS Report was submitted to the NAVSTA Mayport Partnering Team prior to 2006; however, it was not finalized prior to the promulgation of Chapters 62-777 and 62-780, F.A.C. This revision incorporates the requirements of these regulations.

1.1 FACILITY DESCRIPTION

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

NAVSTA Mayport was commissioned in 1942 on approximately 700 acres of land. The Station initially consisted of a harbor and an airfield located near the mouth of the St. Johns River. The harbor and airfield were constructed from the dredging and filling of Ribault Bay. The harbor was initially dredged to a depth of 29 feet below mean sea level and is referred to as the Mayport Turning Basin. The Mayport Turning Basin is surrounded on three sides by six ship piers/wharves (Alpha, Bravo, Charlie, Delta, Echo, and Foxtrot).



DRAWN BY S. PAXTON	DATE 2/28/07	FACILITY LOCATION MAP SWMUs 19, 26, 28, AND 56 CORRECTIVE MEASURE STUDY NAVAL STATION MAYPORT MAYPORT, FLORIDA	CONTRACT NUMBER CTO 0195
CHECKED BY K. WIMBLE	DATE 2/28/07		APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. FIGURE 1 - 1 / REV 0

P:\GIS\MAYPORT_NS\MAPDOCS\APR\STATEMENT_BASIS.APR SITE LOCATION LAYOUT WITH TITLE BLOCK 2/28/07 SP

The original mission of NAVSTA Mayport included use by patrol craft, target boats, and rescue boats. The Station was placed in caretaker status from 1946 to 1948. In 1948, NAVSTA Mayport was reopened, and in 1952, an aircraft carrier was assigned to the Station. The turning basin was dredged to a depth of 40 feet to allow aircraft carriers and other large ships to berth at NAVSTA Mayport. Using dredge material to fill areas south of the turning basin increased the amount of uplands at NAVSTA Mayport.

NAVSTA Mayport provides all necessary support services for the surface fleet and aircraft stationed at or visiting Mayport including infrastructure, facility, and personnel support as well as ship and aircraft repair and maintenance.

Industrial operations conducted at NAVSTA Mayport involve intermediate level maintenance for both ships and aircraft and vehicle maintenance and repair. Maintenance activities that can be conducted without putting a ship into dry-dock are considered intermediate.

Maintenance and repair operations for ships are carried out by two organizations at NAVSTA Mayport: Southeast Region Maintenance Command (SERMC) and Fleet Readiness Center Southeast (FRCSE). SERMC conducts repair and maintenance operations onboard ships at the piers/wharves and in the SERMC operations buildings. SERMC also contracts out maintenance and repair work. Squadron personnel perform aircraft maintenance in the hangar buildings, while FRCSE conducts maintenance operations in multiple buildings on NAVSTA Mayport.

1.2 REGULATORY SETTING AND BACKGROUND

The United States Environmental Protection Agency (USEPA) issued RCRA Permit Number H016-118598 and Hazardous and Solid Waste Amendments (HSWA) Permit Number FL9 170 024 260 to NAVSTA Mayport on March 25, 1988. Authority to issue HSWA permits was delegated to the state of Florida in November 2000. The Florida Department of Environmental Protection (FDEP) reissued and revised the HSWA permit to NAVSTA Mayport to address corrective action at the Station effective August 17, 2009.

A RCRA Facility Assessment (RFA) for NAVSTA Mayport was conducted for the USEPA Region IV in 1989 (Kearny, 1989). The RFA identified 56 SWMUs and 2 Areas of Concern (AOCs) at NAVSTA Mayport. These SWMUs and AOCs were included in the HSWA permit. Fifteen of these SWMUs were determined to require no further action. Twenty-three of the remaining SWMUs, including SWMUs 19, 26, 28, and 56, and the two AOCs were determined to require further investigation by conducting an RFA Sampling Visit. The remaining 18 SWMUs were determined to require a RCRA Facility Investigation (RFI).

Because of the number of SWMUs, the diversity of their past and present operations, and the magnitude of the permit requirements, the USEPA recommended that a phased approach be used to implement the RFI and other corrective action activities at NAVSTA Mayport. A Corrective Action Management Plan (CAMP) was prepared in response to the USEPA recommendation and described the strategy used to implement the RCRA corrective action program at NAVSTA Mayport (ABB Environmental Services, Inc. [ABB-ES], 1995b).

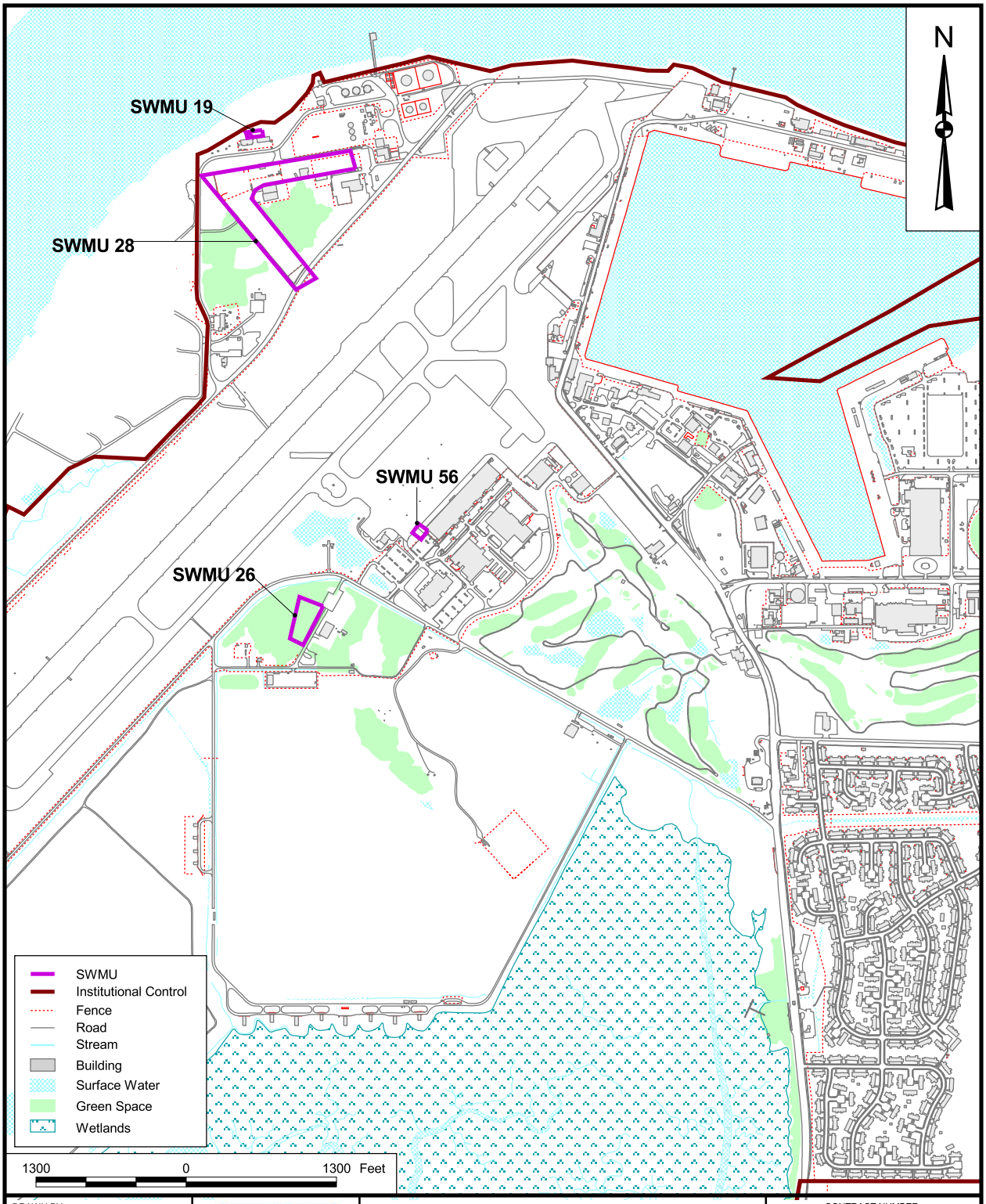
The corrective action program described in the CAMP at NAVSTA Mayport invoked a phased approach to assure collection of adequate site characterization data to support the selection of effective corrective measures. The structure of the corrective action program at NAVSTA Mayport was based on the establishment of four SWMU groups (Groups I, II, III, and IV), which were based on the past use of the SWMU and geological/hydrogeological similarities. The corrective action activities at each SWMU group were being implemented in phases.

This CMS Report is for SWMUs 19, 26, 28, and 56 at NAVSTA Mayport (see Figure 1-2). The RFA Sampling Visit Report for SWMUs 19, 26, 28, and 56 (ABB-ES, 1995d) contains pertinent information about the site background, environmental setting, and identification of COCs that will be used in this report. Additional sampling was conducted at specific SWMUs and will be discussed in the applicable section.

While information has been collected from all of the aforementioned reports to describe the current conditions of each SWMU presented in Sections 2.0 through 5.0 of this CMS, the original reports should be reviewed for complete background information.

1.3 ORGANIZATION OF THIS REPORT

This CMS Report consists of four sections that describe SWMUs 19, 26, 28, and 56; summarizes the previous investigation findings pertinent to conducting the CMS; identifies the contaminants and media that present unacceptable risk to human and ecological receptors; and evaluates and recommends a preferred alternative for addressing those risks. Section 1.0 includes a general facility description, identifies the primary sources of information, describes the physical and environmental setting of the SWMUs of interest, and presents the general methodology used in the CMS to identify contaminants and media of concern. Sections 2.0 through 5.0 describe the current conditions for each SWMU, present the evaluation and selection of COCs, identify and evaluate remedial alternatives, and select the recommended alternative for soil and groundwater at each SWMU.



DRAWN BY S. STROZ	DATE 9/20/06	SITE VICINITY MAP SWMUs 19, 26, 28, AND 56 CORRECTIVE MEASURES STUDY NAVAL STATION MAYPORT MAYPORT, FLORIDA	CONTRACT NUMBER CTO 0033
CHECKED BY S. BALLARD	DATE 9/20/06		APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. FIGURE 1-2 / REV 0

P:\GIS\MAYPORT_NS\APR\2868.APR SITE VINCINITY LAYOUT 9/20/06 SS

Appendix A contains the CMS data sets for SWMUs 19, 26, 28, and 56. Appendix B contains the evaluations of detected analytes for SWMUs 19, 26, 28, and 56. Appendix C contains the SWMU 19 Groundwater Sampling Report. Appendix D contains the costing spreadsheets for SWMU 26. Appendix E contains the data validation package from the March 2007 confirmatory sampling event. Appendix F contains the global positioning system (GPS) coordinates for the soil sample locations at SWMU 28 including the samples from March 2007.

1.4 PHYSICAL CHARACTERISTICS OF SWMUS 19, 26, 28, AND 56

A detailed description of the physical characteristics of NAVSTA Mayport including topography, demography, climate, soil types, and regional hydrogeology has been presented in Sections 1.0 and 3.0 of the NAVSTA Mayport General Information Report (GIR) (ABB-ES, 1995c). The following sections also provide summaries of the geologic and hydrologic data collected at the Group I and II SWMUs, specifically for SWMUs 19, 26, 28, and 56 that were presented in the RFA Report (ABB-ES, 1995d).

1.4.1 Soils and Geology

In the areas where SWMUs 19, 26, 28, and 56 are located, dredge material overlies undifferentiated post-Hawthorn deposits to depths of approximately 8 to 16 feet below ground surface (bgs). The thickness of the dredge material is a result of variations in the original topographic contour of the near-shore environments in which the dredge material was placed. The dredge material consists predominantly of fine-grained, well-sorted sands that may include marine shell fragments. Underlying the dredge materials are sediments that comprise the undifferentiated post-Hawthorn deposits. These sediments primarily consist of fairly uniform, well-sorted, fine-grained sand with a Unified Soil Classification System designation of SP. The undifferentiated deposits (CH or MH visual classification), however, frequently include a very soft gray to dark gray silt clay layer that is 3 to 7 feet thick and likely represents recent estuarine deposition. This layer appears to be restricted to more landward, lower-energy depositional zones and is not found in former high-energy beach or river channel deposits. The undifferentiated post-Hawthorn deposits are likely the product of Miocene to Holocene fluvial and marine deposition and the erosion and redeposition of Hawthorn Group sediments. The top of the Upper Hawthorn deposits was estimated to be at a depth of approximately 70 to 72 feet bgs in the area of Groups I and II. Lithologically, the Hawthorn Group is quite variable and consists of calcareous, phosphatic sandy clays and clayey sands interbedded with thin discontinuous lenses of phosphatic sand, sandy limestone, limestone, and dolostone. The contact between the Hawthorn and the overlying undifferentiated Miocene and Pliocene deposits is marked by an unconformity expressed by coarse phosphatic sand and a gravel bed.

Shallow soil in the SWMUs 19, 26, 28, and 56 area consists of relatively uniform, light-tan to tan, brown to dark-brown, or gray, very fine to fine-grained sand and silty sand with shell fragments that may make up to approximately 20 percent of the soil sample. These sands are primarily dredge material with a minor amount of engineered fill material deposited over the last 55 years.

1.4.2 Hydrogeology

Three primary aquifer systems recognized beneath NAVSTA Mayport include the following (in descending order): the surficial aquifer, the Intermediate Hawthorn Aquifer, and the Floridan Aquifer System. The surficial aquifer, which extends from near the surface to a depth of nearly 100 feet bgs at NAVSTA Mayport, is the first aquifer beneath SWMUs 19, 26, 28, and 56 and is the groundwater zone considered in this CMS. It includes all of the undifferentiated post-Hawthorn deposits (see Section 1.4.1) and consists of unconsolidated sand, shell, and clay, which vary horizontally and vertically in lithology, thickness, and permeability. It is recharged primarily by precipitation at a county-wide estimated rate of 10 to 16 inches per year. Discharge in the vicinity of NAVSTA Mayport is primarily by seepage into surface water bodies and evapotranspiration. At SWMUs 19, 26, 28, and 56, the direction of groundwater flow in the surficial aquifer is toward the St. Johns River and the Mayport Turning Basin, respectively. It has also been reported that groundwater becomes brackish below a depth of 40 feet at NAVSTA Mayport.

The surficial aquifer is underlain by the Hawthorn Aquifer. The Hawthorn Aquifer consists of sand and limestone layers interbedded with clayey sand and sandy clay. It was noted in the GIR (ABB-ES, 1995c) that the most productive limestone layer in the upper part of the Hawthorn Aquifer is absent in the Mayport area. Thus, the Intermediate Hawthorn Aquifer may be in hydraulic contact with the surficial aquifer at NAVSTA Mayport. Overall, the Hawthorn Group is a complex aquiclude that acts as a confining bed to the underlying Floridan Aquifer. The primary recharge mechanism for the Intermediate Hawthorn Aquifer is precipitation in areas approximately 30 miles to the west of NAVSTA Mayport where the Hawthorn Group sediments occur at shallow depths. The Floridan Aquifer consists of Eocene sediments, primarily limestone that lies approximately 400 feet below the surface at NAVSTA Mayport. This aquifer is under artesian conditions due to the presence of the overlying Hawthorn formation and is the principal source for fresh water in the area. Because the surficial aquifer is the preferred pathway for groundwater flow and contaminant migration at NAVSTA Mayport, groundwater in the Intermediate Hawthorn Aquifer and the Floridan Aquifer were not considered in the CMS.

The hydrogeology of SWMUs 19, 26, 28, and 56 was investigated during the RFA Sampling Visit Report for Groups I and II and in the GIR. A Station-wide tidal study was performed, water levels were measured, the potentiometric surface was mapped at different points in time, aquifer conductivity testing

was conducted, and aquifer material physical properties were tested. This information was presented in the RFA Report for the Groups I and II SWMUs and is summarized below for SWMUs 19, 26, 28, and 56.

1.4.2.1 SWMUs 19 and 28

A tidal effects study was conducted, using piezometers MPT-11-MW01S, MPT-11-MW02S, and MPT-11-MW 03S in the vicinity of SWMUs 19 and 28. Groundwater level amplitude up to 0.8 foot was observed at monitoring well MPT-11-MW03S. A time lag of approximately 7.5 to 11 hours relative to the tidal fluctuation was observed. No tidal effects on the water table zone were observed at well MPT-11-MW01S, which is located about 500 feet from the St. Johns River at SWMUs 19 and 28.

Groundwater horizontal gradients for the Group II SWMUs (including SWMUs 19 and 28) ranged from 0.011 to 0.014 foot per foot; data from a well pair located at SWMU 8 (500 feet east of SWMUs 19 and 28) used to investigate vertical gradients showed a range of 0.033 to 0.019 foot per foot between the shallow and intermediate well-depth zones for the 1993 and 1994 data, respectively. The groundwater flow velocity for the Group II SWMUs ranged from approximately 0.19 foot per day (69 feet per year) to 0.24 foot per day (87 feet per year). The estimated vertical flow rate at SWMU 8 was 0.026 (10 feet per year).

1.4.2.2 SWMUs 26 and 56

Monitoring wells MPT-2-MW12S and MPT-2-MW12I, located along the southern corner of SWMU 56, were included in the tidal effects study; groundwater level amplitudes of about 0.3 and 0.2 foot were observed at these monitoring wells, respectively. A time lag of approximately 7.5 to 11 hours relative to the tidal fluctuation was observed for both wells. The study concluded that tidal effects were only likely to occur in wells located adjacent to tidally influenced water bodies (such as the portions of the ditches around the Group I SWMUs that are influenced by Sherman Creek). Groundwater horizontal gradients in the vicinity of SWMUs 26 and 56 ranged from 0.0043 to 0.059 foot per foot, downward gradients near these SWMUs ranged from 0.0062 to 1.3 feet per foot, and upward gradients ranged from -0.015 to 0.039 foot per foot. Considerable variation in the groundwater gradient was observed across the Group I SWMU area, and vertical gradients were observed to be greater than horizontal gradients.

The range of radial hydraulic conductivity values for shallow zone wells of the surficial aquifer near SWMUs 26 and 56 was 2.5 to 121 feet per day, with an overall average of 30 feet per day. Estimates of linear horizontal flow velocity reported in the GIR (i.e., 0.07 to 0.22 foot per day [27 to 80 feet per year]) are more likely representative of conditions when dredging and slurry deposition are not being conducted.

1.4.3 Background Conditions

Background screening values (BSVs) were originally calculated and presented in the RCRA GIR for NAVSTA Mayport (ABB-ES, 1995c). The calculations were based on analytical results for samples from each medium of concern including groundwater, surface soil, subsurface soil, sediment, and surface water. During review of the background data, it was determined that certain procedures used during the original background calculations were not consistent with current regulatory guidelines, and apparent spurious or problematic results were present in the data used to perform the calculations. A recalculation of the BSVs was, therefore, performed primarily to conform to newer regulatory guidance that recommends how concentrations less than analytical detection limits are used in the mathematical treatment of the data (Tetra Tech, 2000).

1.5 CORRECTIVE MEASURES STUDY METHODOLOGY

This CMS for SWMUs 19, 26, 28, and 56 uses the CMS process described in the CMS Work Plan (ABB-ES, 1995a) for NAVSTA Mayport with the incorporation of the USEPA guidance for conducting a CMS (USEPA, 1994). The purpose of the CMS is to identify, evaluate, and recommend corrective action for SWMUs that warrant such action based on the results of the RFA Sampling Visit. The following key components were considered in identifying appropriate corrective action.

Investigation data documented in the station-wide GIR, the RFA Sampling Visit and RFI Reports, and subsequent IM programs conducted at the SWMUs of concern were reviewed to gain an understanding of the SWMUs physical setting, past history, current conditions, and future land uses. Available validated analytical data for environmental media were assembled into a single CMS database.

- Corrective Action Objectives (CAOs). CAOs are developed to specify the contaminants, media of interest, exposure pathways, and corrective action goals for each SWMU.

- MCOs. MCOs are developed based on regulatory requirements, when available, site-specific risk-based factors, or other available information (e.g., leachability of contaminants from soil to groundwater). MCOs were developed based on the state of Florida Chapter 62-777, F.A.C., Cleanup Target Level (CTL) criteria for each medium of concern.

- COCs. Contaminants detected in the media of concern were compared against promulgated regulatory standards. Those that exceed the regulatory standard (Chapter 62-777, F.A.C.) are compared with the NAVSTA Mayport background criteria.. Contaminants that exceed criteria are defined as COCs and are evaluated for corrective action in the CMS.

- Volumes of Media of Concern. The volumes (or areas) of media of concern at each SWMU are determined by considering the requirements for protectiveness as identified in the CAOs and the chemical and physical characterization of the site (i.e., the results and conclusions of the RFA Sampling Visit, RFI and post-RFI activities).

- Applicable Technologies. Technologies applicable to contaminated media at each SWMU are identified and screened. Technologies that cannot be implemented technically are eliminated.

- Corrective Measure Alternatives. Technologies that pass the screening phase are assembled into corrective measure alternatives.

- Evaluation of Corrective Measure Alternatives. Recommended corrective measure alternatives are described and evaluated using four criteria: technical, environmental, human health, and institutional factors.

- Recommendation of Corrective Action. The results of the evaluation of alternatives are summarized and a corrective action is recommended for each SWMU.

These components are described further in the CMS Work Plan for NAVSTA Mayport (ABB-ES, 1995a). More detailed discussion of the methodology for CAOs, MCOs, and COCs, used in this CMS is provided in the following sections.

1.5.1 Corrective Action Objectives

CAOs are aimed at protecting human health and the environment and are expressed for each media of concern. At SWMUs 19, 26, 28, and 56, the media of concern for the CMS included groundwater, surface soil, and subsurface soil. CAOs were based on the COCs, the exposure pathway, and the present and future receptors at each SWMU. The CAOs were developed by comparing the results of the RFASampling Visit with the applicable federal and state standards.

For this CMS, CAOs were formulated based on mitigation of unacceptable human health and ecological risk that exist for direct exposure to groundwater, surface soil, or subsurface soil based on the current and anticipated future use of the SWMUs. Exposure scenarios for human health receptors used the Chapter 62-777, F.A.C., CTL criteria for residential direct exposure. Exposure scenarios for ecological receptors were developed in the RFA Sampling Visit Report and used ecological benchmarks consistent with current values applicable and relevant to the state of Florida.

The current and future receptors are military residents, hypothetical future on-site residents, trespassers, construction workers, and base workers and shoreline benthic aquatic receptors in the St. Johns River and Mayport Turning Basin; potential exposure of terrestrial ecological receptors was not considered a pathway of concern in the RFA Sampling Visit Report for these SWMUs. Based on the current and future use receptors, the following CAOs were developed for SWMUs 19, 26, 28, and 56.

1.5.1.1 Groundwater

CAO 1: Prevent ingestion of surficial aquifer groundwater containing carcinogens in excess of state of Florida Groundwater Cleanup Target Levels (GCTLs) (Chapter 62-777, F.A.C.) for groundwater criteria until CAO 3 has been met.

CAO 2: Prevent ingestion of aquifer groundwater containing noncarcinogens in excess of the state of Florida GCTLs (Chapter 62-777, F.A.C.) groundwater criteria until CAO 3 has been met.

CAO 3: Restore the groundwater aquifer to the state of Florida GCTLs (Chapter 62-777, F.A.C.) for groundwater criteria.

1.5.1.2 Soil

CAO 4: Protect human health from carcinogenic and noncarcinogenic risks associated with incidental ingestion of, inhalation of, and dermal contact with contaminated soil in excess of the state of Florida Soil Cleanup Target Levels (SCTLs) (Chapter 62-777, F.A.C.) for residential direct exposure criteria.

CAO 5: Prevent leaching of contaminants from soil that would result in groundwater concentrations that do not meet CAOs for groundwater.

CAO 6: Protect the environment from COCs in the soil that would cause adverse biological effects.

1.5.2 Media Cleanup Objectives

MCOs establish acceptable exposure levels that are protective of human health and the environment and were estimated for SWMUs 19, 26, 28, and 56 using baseline assumptions and inputs. MCOs are determined based on federal and state standards, contaminants and media of interest, and exposure pathways. These calculations are based on the state of Florida CTLs (Chapter 62-777, F.A.C.) and BSVs. The current and anticipated future use of SWMUs 19, 26, 28, and 56 is for industrial purposes.

Therefore, the exposure pathways are to commercial/industrial workers. Specifically, MCOs are used to determine COCs, to estimate areas and volumes of impacted media, and to set performance standards for potential remedial alternatives.

Cleanup of inorganic contaminants less than their established background concentrations will not be performed. Therefore, background-screening values will be used as the lower limit for MCOs. The MCOs selection criteria are summarized below for each medium.

1.5.2.1 Groundwater

- The state of Florida GCTLs (Chapter 62-777, F.A.C.).
- In areas where groundwater discharges to surface water, the state of Florida Surface Water CTLs (SWCTLs) (Chapter 62-777, F.A.C.) for protection of marine surface water criteria.
- NAVSTA Mayport BSVs will be used as the lower limit for the MCOs of inorganic COCs.

1.5.2.2 Soil

- The state of Florida SCTLs (Chapter 62-777, F.A.C.) for residential direct criteria and the leachability value based on groundwater criteria for SCTLs (Chapter 62-777, F.A.C.).
- NAVSTA Mayport BSVs will be used as the lower limit for the MCOs of inorganic COCs.

1.5.3 Contaminants of Concern

The determination of COCs for each medium involves the following three-step process:

- Determine the contaminants of interest (COIs).
- Compare with appropriate CTLs and BSVs.
- Select the COCs.

COIs were determined in the RFA Sampling Visit. Since the RFA Sampling Visit Report was issued, additional data have been collected and new regulations have been promulgated. These new regulations updated by the FDEP were effective as of April 17, 2005. Therefore, the COIs were re-evaluated.

1.5.3.1 Contaminants of Interest

The COIs include any contaminant detected at least once in validated analytical results for environmental samples in any medium at the site during any sampling event. For this CMS, the list of COIs originally presented in the RFA Sampling Visit Report was revised by including any contaminants that were detected during any environmental sampling program conducted after the RFA Sampling Visit (e.g., interim measure [IM] actions). The lists of COIs for SWMUs 19, 26, 28, and 56 are presented in Sections 2, 3, 4, and 5, respectively.

1.5.3.2 Contaminants of Concern

The selection of COCs was based on the list of COIs and considered the concentration, occurrence, and distribution of contaminants detected in the environmental media and the environmental conditions at SWMUs 19, 26, 28, and 56. The COC selection considered available validated soil and groundwater sample results and included several rounds of sampling conducted after the RFA Sampling Visit Report was submitted.

For each medium, the following criteria were used to exclude detected analytes from the list of contaminants of potential concern (COPCs). Each criterion by itself was justification for excluding the analyte:

- Less than BSVs. If the maximum detected concentration of an analyte in a medium was less than the BSV (inorganics only), the analyte was not selected as a COC (USEPA, 1995).

- Less than Risk-based Screening Concentrations, Standards, and Guidelines. If the maximum detected concentration of the analyte in a medium was less than its corresponding adjusted CTL, the analyte was not selected as a COC. The FDEP SCTLs for residential direct exposure and the FDEP GCTLs were taken from the Chapter 62-777, F.A.C.

- Less than Essential Nutrient Screening Values. If the maximum detected concentration of an essential nutrient (i.e., calcium, magnesium, potassium, iron, and sodium) in a medium was less than a toxic level or consistent with or only slightly exceeded its BSV, the essential nutrient was not selected as a COC.

The COC concentrations were compared to the site-specific MCOs for each medium. The MCOs for each medium were calculated as the published CTLs or the Mayport BSV, whichever was larger. COCs whose concentration exceeded the MCOs were then evaluated in the CMS.

1.6 EVALUATION OF CORRECTIVE MEASURE ALTERNATIVES

Each corrective measure alternative is evaluated using the criteria contained in the RCRA Corrective Action Plan, Final (USEPA, 1994). The alternatives are evaluated against the standards listed below.

1. Protect human health and the environment.
2. Attain CTLs set by the Chapter 62-777, F.A.C.
3. Control the source of releases.
4. Comply with any applicable standards for management of wastes.
5. Other factors, such as treatment, timeframe, and cost.

The criteria and elements for the above standards to be used for the detailed analysis of alternatives are described below.

Protect Human Health and the Environment

Corrective action remedies must be protective of human health and the environment. Remedies may include those measures that are needed to be protective, but are not directly related to media cleanup, source control, or management of wastes. A discussion of what types of short-term remedies are appropriate for the site and how various corrective measure alternatives meet this standard should be presented.

Attain CTL Standards Set by the FDEP

Remedies are presented and recommended to attain CTLs set by the FDEP derived from existing State regulations in Chapter 62-777, F.A.C. Information to address whether the potential remedy will achieve the remediation objective will be proposed to attain the CTLs.

Control the Sources of Releases

A critical objective of any remedy must be to stop further environmental degradation by controlling or eliminating further releases that may pose a threat to human health and the environment. The source control standard is not intended to mandate a specific remedy or class of remedies. Instead, a wide range of options should be examined. This standard should not be interpreted to preclude the equal consideration of using other protective remedies to control the source, such as partial waste removal, capping, slurry walls, in situ treatment/stabilization or consolidation. As part of the CMS Report, the issue of whether source control measures are necessary should be addressed, and, if so, the type of actions

that would be appropriate should be outlined. Any source control measure proposed should include a discussion on how well the method is anticipated to work given the particular situation at the facility and the known track record of the specific technology.

Comply with any Applicable Standards for Management of Wastes

A discussion of how the specific waste management activities will be conducted in compliance with all applicable Federal or State regulations (e.g., closure requirements and land disposal restrictions) should be presented.

Other Factors

Five general factors represent a combination of technical measures and management controls for addressing the environmental problems at the facility. These factors will be considered as appropriate by the implementing agency in selecting/approving a remedy that meets the four standards listed above. The five general decision factors and relevant information that may be requested are as follows.

a. Long-term Reliability and Effectiveness

Demonstrated and expected reliability is a way of assessing the risk and effect of failure. It may be considered whether the technology or a combination of technologies have been used effectively under analogous site conditions, whether failure of any one technology in the alternative would have an immediate impact on receptors, and whether the alternative would have the flexibility to deal with uncontrollable changes at the site (e.g., heavy rain storms, earthquakes). Each corrective measure alternative should be evaluated in terms of the projected useful life of the overall alternative and of its component technologies.

b. Reduction in the Toxicity, Mobility, or Volume of Wastes

As a general goal, remedies that are capable of eliminating or substantially reducing the inherent potential for the contaminants to cause future environmental releases or other risks to human health and the environment are considered. There may be some situations, however, where substantial reductions in toxicity, mobility, or volume may not be practicable or even desirable. Estimates of how much the corrective measure alternatives will reduce the waste toxicity, volume, and/or mobility may be helpful in applying this factor. This may be done through a comparison of initial site conditions to expected post-corrective measure conditions.

c. Short-term Effectiveness

Short-term effectiveness may be particularly relevant when remedial alternatives will be conducted in densely populated areas or where waste characteristics are such that risks to workers or to the

environment are high and special protective measures are needed. Possible factors to consider include fire, explosion, exposure to hazardous substances, and potential threats associated with treatment, excavation, transportation, and redisposal or containment of waste material.

d. Implementability

Implementability will often be a determining variable in shaping remedies. Some technologies will require State or local approvals prior to construction and there may be some restrictions or concerns for some remedial approaches. Typical factors to be considered include administrative activities (e.g., permits, right of way, offsite approvals) and the length of time these activities will take, constructability of the remedial measure and time for beneficial results, availability of offsite Treatment, Storage, and Disposal Facility (TSDF) services, and availability of prospective technology.

e. Cost

The relative cost of a remedy may be an appropriate consideration especially in those situations where several different technical alternatives to remediation will offer equivalent protection of human health and the environment. Cost estimates could include costs for engineering, site preparation, construction, materials, labor, sampling/analysis, waste management/disposal, permitting, health and safety measures, training, operation and maintenance, etc.

2.0 SWMU 19 – NADEP BLASTING AREA

SWMU 19, the NADEP Blasting Area, is located north of NADEP Buildings 1470 and 1471 approximately 25 feet from the St. Johns River (see Figure 2-1). The area was used for abrasive blasting of unpainted aircraft carrier parts including catapult and arresting gear for carrier flight decks. Abrasive blasting was conducted in this area from approximately 1981 until 1989. The area, approximately 75 feet in diameter, is outside and blasting occurred on a blasting rack that was located over bare soil.

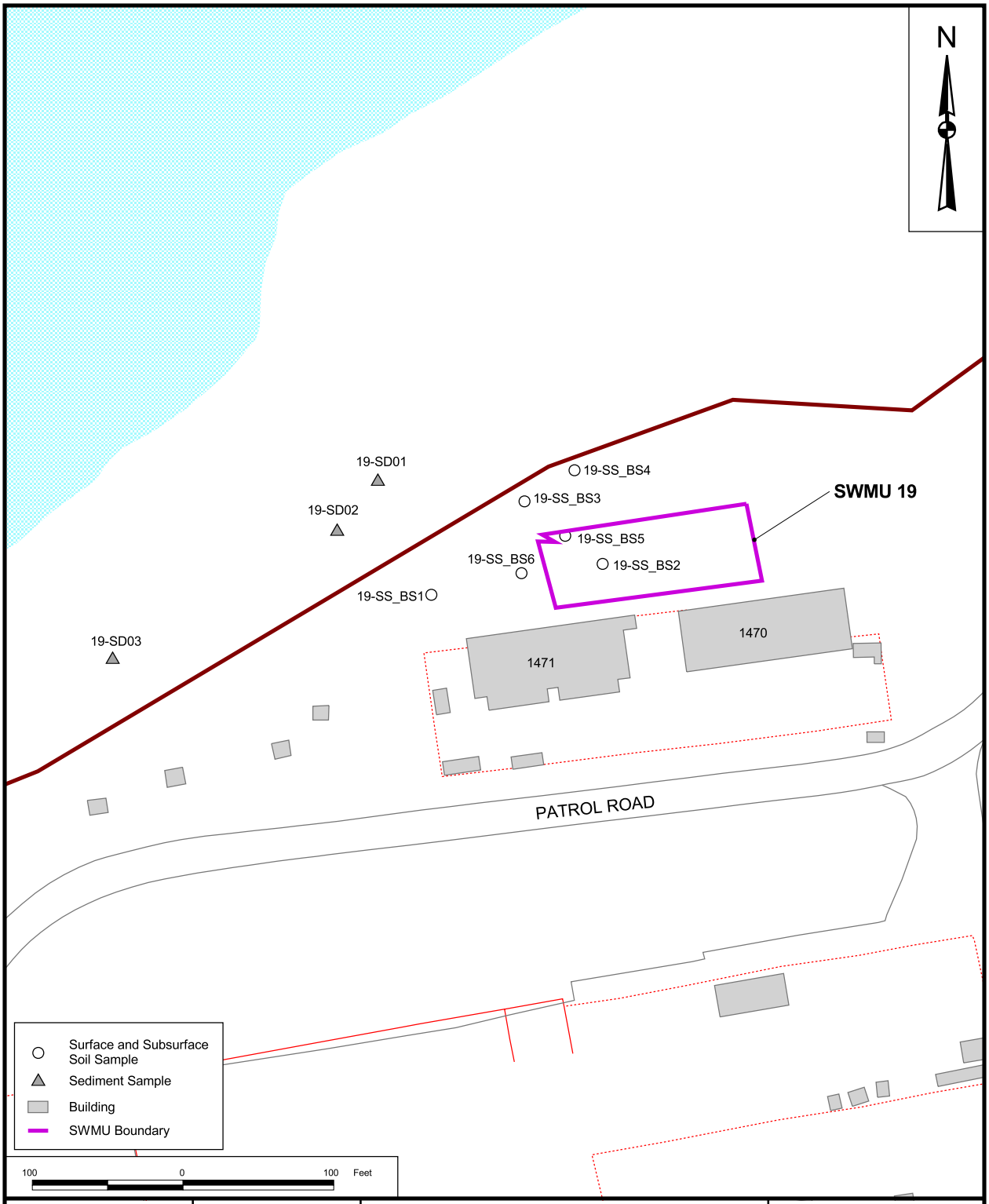
According to the visual site inspection (VSI) conducted as part of the RFA (Kearney, 1989), the abrasive agent used in blasting is Black Beauty^{tm}, a slag product marketed for sand blasting purposes. At the time of the VSI in 1989, Black Beauty^{tm} was piled on the ground around the blasting grate and spread over an area approximately 75 feet in diameter.

According to the RFA Report, facility personnel noted that the Black Beauty^{tm} abrasive blasting media had not been collected or removed from the area since operations began there in 1981. The RFA Report recommended that soil samples be collected in visually contaminated areas between the blasting rack and the St. Johns River, and that sediment samples be collected from that river in the vicinity of SWMU 19. Due to the nature of the blasting area operation and abrasive blasting media, it was recommended that all samples collected be analyzed for metals (Kearney, 1989).

The Black Beauty^{tm} abrasive blasting media was sampled in 1998 and determined to be non-hazardous. Personnel from the Construction Battalion Unit removed and transported 65 cubic yards of the blasting media to a lined landfill in March, 1998.

2.1 DESCRIPTION OF CURRENT CONDITIONS

The description of current conditions is based on descriptions and data collected by ABB-ES during a site visit conducted in 1994. This information was taken from the Group II RFA Sampling Visit Report (ABB-ES, 1995d) and is summarized in the following sections. The Group II RFA Sampling Visit Report and referenced documents, however, should be reviewed for further details and in-depth analyses of the data presented herein. The information and analytical data from the RFA Sampling Visit Report were utilized to form an up-to-date understanding of the current conditions at SWMU 19 from which COCs were identified and for which remedial actions were selected. A formal RFI was not conducted at SWMU 19.



DRAWN BY S. STROZ — DATE 9/19/06	NAVFAC	SAMPLE LOCATION MAP SWMU 19 CORRECTIVE MEASURES STUDY NAVAL STATION MAYPORT MAYPORT, FLORIDA	CONTRACT NUMBER CTO 0033
CHECKED BY S. BALLARD — DATE 9/25/06			APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. FIGURE 2-1 — REV 0

P:\GIS\MAYPORT_NS\APR\2868.APR UPDATED SWMU 19 LAYOUT 9/25/06 SS

2.1.1 RFA Sampling Visit Field Investigation

Limited confirmatory sampling was conducted by ABB-ES in June 1994 at SWMU 19 as part of the RFA sampling visit. Field activities included the collection of six surface soil samples, six subsurface soil samples, and three sediment samples. Site-specific reference samples also were collected, MPT-19-SS06 for surface soil, MPT-19-BS06 for subsurface soil, and MPT-19-SD01 for sediment. In addition, three discrete samples of the Black Beauty^{tm} blasting media (MPT-19-Z-001, MPT-19-Z-002, and MPT-19-Z-003) were collected for analysis using toxicity characteristic leaching procedure (TCLP) (USEPA Method 1311). No attempt was made at that time to characterize the horizontal and vertical extent of contamination. Monitoring well drilling and soil sampling were conducted on June 30, 1994.

Information regarding the investigation methods and sampling procedures are provided in the NAVSTA Mayport GIR (ABB-ES, 1995c) and in the NAVSTA Mayport RFI Work Plan (ABB-ES, 1991). The soil and sediment samples were analyzed for volatile organic compounds (VOCs), semivolatile organic compounds (SVOCs), pesticides, polychlorinated biphenyls (PCBs), metals, and cyanide. Figure 2-1 depicts the locations of environmental samples collected during the RFA Sampling Visit investigation.

2.1.1.1 RFA Sampling Visit Evaluation

The target analytes detected in the surface and subsurface soil samples were compared to BSVs computed from station-wide surface and subsurface soil samples (ABB-ES, 1995c), benchmark values from USEPA Region III risk-based concentrations (RBCs) (USEPA, 1995), and the state of Florida cleanup goals (residential and industrial) (FDEP, 1995). (Note: Since the completion of the RFA, new standards [Chapter 62-77, F.A.C., CTLs] have been promulgated and NAVSTA Mayport background concentrations have been revised. The standards stated in this section are the standards available at the time of the RFA.)

Samples of the Black Beauty^{tm} abrasive blasting media were collected to assess whether the material could be characterized as hazardous using the TCLP analysis.

Surface Soil

Two SVOCs (benzo(b)fluoranthene and bis(2-ethylhexyl)phthalate), two pesticides (4,4'-dichlorodiphenyltrichloroethane and 4,4'-dichlorodiphenyldichloroethylene [DDE]), and 11 inorganics (arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, vanadium, and zinc) were detected in the surface soil samples. No concentrations exceeded the SCTLs. No VOCs or PCBs were detected in the surface soil samples.

Subsurface Soil

One VOC (trichloroethene), three pesticides (chlorobenzilate, endrin ketone, and 4,4'-dichlorodiphenyldichloroethane), and ten inorganics (arsenic, barium, beryllium, chromium, copper, lead, selenium, vanadium, zinc, and cyanide) were detected in subsurface soil samples. The cyanide concentration in sample 19-SS-BS1 and the chlorobenzilate concentration in sample 19-SS-BS4 exceeded their respective leachability criteria. No concentrations exceeded the residential or industrial SCTLs. No SVOCs or PCBs were detected in the subsurface soil samples.

Sediment

Nine inorganics (arsenic, barium, beryllium, chromium, copper, lead, vanadium, zinc, and cyanide) were detected in sediment samples. VOCs, SVOCs, pesticides, and PCBs were not detected in the sediment samples.

Black Beauty^{tm} Blasting Media

Barium, cadmium, and chromium were detected in the TCLP extracts. These concentrations did not exceed hazardous waste criteria.

2.1.1.2 RFA Sampling Visit Recommendations

The RFA Sampling Visit Report concluded that based on the evaluation and comparison of the surface soil, subsurface soil, and groundwater sample analytical results to residential risk benchmarks, SWMU 19 was recommended for no further investigation.

2.1.2 1998 Groundwater Sampling Event

In June 1998, a groundwater sample was collected at SWMU 19. The purpose of the sample was to demonstrate that the abrasive blasting activities that occurred at the site have not adversely impacted the groundwater quality. The sampling report is included in Appendix C.

This groundwater sample was taken immediately adjacent to and downgradient of the area where the Black Beauty^{tm} had been observed. Since the previous soil sampling efforts did not identify any COCs (as detailed in Sections 2.3.1.1 and 2.3.1.2), the groundwater sample was collected to verify that there had been no impact to groundwater downgradient of SWMU 19.

2.1.3 Interim Measures

The Black Beauty[tm] was removed and disposed as non-hazardous waste in a lined landfill by NAVSTA Mayport personnel in 1998.

2.1.4 CMS Data Set

The results of environmental samples collected during the RFA investigation were used to select COCs in this CMS. Tables listing the complete analytical results of sampling events per medium are included in Appendix A.

2.2 CHEMICALS OF CONCERN

The detected concentrations of analytes for each environmental medium were compared to the State of Florida CTLs (Chapter 62-777, F.A.C.) for surface soil, subsurface soil, and groundwater, as appropriate. Section 1.4.3.3 provides a detailed description of the process for the identification of COCs.

2.2.1 Selection of Surface Soil COCs

The COC screening evaluation for surface soil involves an evaluation of COIs for direct exposure and leaching to groundwater. The direct exposure COC screening for surface soil is in Appendix B and no detected constituents exceeded the SCTLs for residential direct exposure.

Surface water (St. Johns River) is located within 300 feet of SWMU 19, thus, leachability of soil to marine surface water and groundwater was evaluated as shown in Appendix B. The evaluation determined that no concentrations exceeded the marine surface water criteria; therefore, no COCs were identified in surface soil for SWMU 19.

2.2.2 Selection of Subsurface Soil COCs

The COC screening evaluation for subsurface soil involves an evaluation of COIs for direct exposure and leaching to groundwater. No constituents exceeded the residential SCTLs for direct exposure.

Surface water (St. Johns River) is located less than 300 feet from SWMU 19; thus, leaching of soil to marine surface water and groundwater was evaluated. The leaching to surface water evaluation involves a direct comparison of the leaching result to SWCTLs and GCTLs. Appendix B compares the analytes that were detected to surface water and groundwater leachability criteria. The evaluation determined that three contaminants (chlorobenzilate, endrin ketone, and cyanide) have the potential to leach from the soil

and impact groundwater and surface water. Chlorobenzilate was detected at one location, MPT-19-SS05, which does not exceed the leaching to surface water and groundwater criteria. Sample location MPT-19-SB01D exceeds the leaching value for endrin ketone, but the duplicate value for this location shows a non-detect for endrin ketone. An SCTL does not exist for endrin ketone. Sample MPT-19-SB01 is the location that exceeds the leaching for cyanide. The duplicate value for this location shows a non-detect for cyanide. There were no detectable levels of chlorobenzilate, endrin ketone, or cyanide in the groundwater sample collected for SWMU 19; therefore, no contaminants were selected as a COC for subsurface soil.

2.2.3 Selection of Groundwater COCs

The COC screening process for groundwater begins with comparing the maximum concentration directly to the GCTLs. The COC screening process identified no contaminants that exceeded the GCTLs (target levels) as shown in Appendix B. Because SWMU 19 is located less than 300 feet away from the nearest surface water body, the discharge of groundwater into surface water was evaluated as a pathway of concern.

2.3 CONTAMINANTS OF CONCERN

The COI concentrations for each environmental medium were compared to the FDEP CTLs (Chapter 62-777, F.A.C.) for surface soil, subsurface soil, and groundwater, as appropriate. Section 1.5.3.3 provides a detailed description of the process for the identification of COCs.

2.3.1 Selection of Surface Soil COCs

There were no surface soil COCs; therefore, a surface soil COC evaluation was not required for SWMU 19.

2.3.2 Selection of Subsurface Soil COCs

There were no subsurface soil COCs; therefore, a subsurface soil COC evaluation was not required for SWMU 19.

2.3.3 Selection of Groundwater COCs

There were no groundwater COCs; therefore, a groundwater COC evaluation was not required for SWMU 19.

2.4 CONTAMINANTS OF CONCERN IN SOIL – ECOLOGICAL

No ecological risk assessment was performed at SWMU 19.

COC Summary

No COCs for surface soil, subsurface soil, or groundwater were identified for SWMU 19.

2.5 VOLUMES OF CONTAMINATED MEDIA

No COCs were identified for surface soil, subsurface soil, or groundwater at SWMU 19; therefore, contamination maps were not prepared.

2.6 IDENTIFICATION AND SCREENING OF CORRECTIVE MEASURES TECHNOLOGIES

Corrective measure technologies are identified and screened to address the CAOs identified for SWMU 19 (see Section 1.5.1). Neither soil nor groundwater technologies are required because there are no COCs at SWMU 19.

2.7 RECOMMENDATION FOR A FINAL CORRECTIVE MEASURE

No Action is recommended for addressing the soil and groundwater at SWMU 19.

3.0 SWMU 26 – LANDFILL C

SWMU 26, Landfill C, is located north of Landfill B (SWMU 2) in the central part of NAVSTA Mayport (see Figure 3-1). SWMU 26 was reported to be used in 1963 for one-time disposal of scrap metal and construction debris transported to NAVSTA Mayport from Green Cove Springs Naval Facility (Kearney, 1989). No written documentation has been found to corroborate the disposal of material from the Green Cove Springs Naval Facility.

The disposal area consisted of a trench approximately 100 feet long, 20 feet wide, and 8 feet deep into which debris was placed. The landfill is now covered with soil and supports vegetation (disturbed Messic Flatwood with slash pines, cedar, cherry laurels, and cabbage palms and a dense undergrowth of woody and herbaceous plants [ABB-ES, 1995c]). No hazardous wastes were disposed at the site according to the Initial Assessment Study (IAS) (Environmental Science and Engineering, Inc. [ESE], 1986).

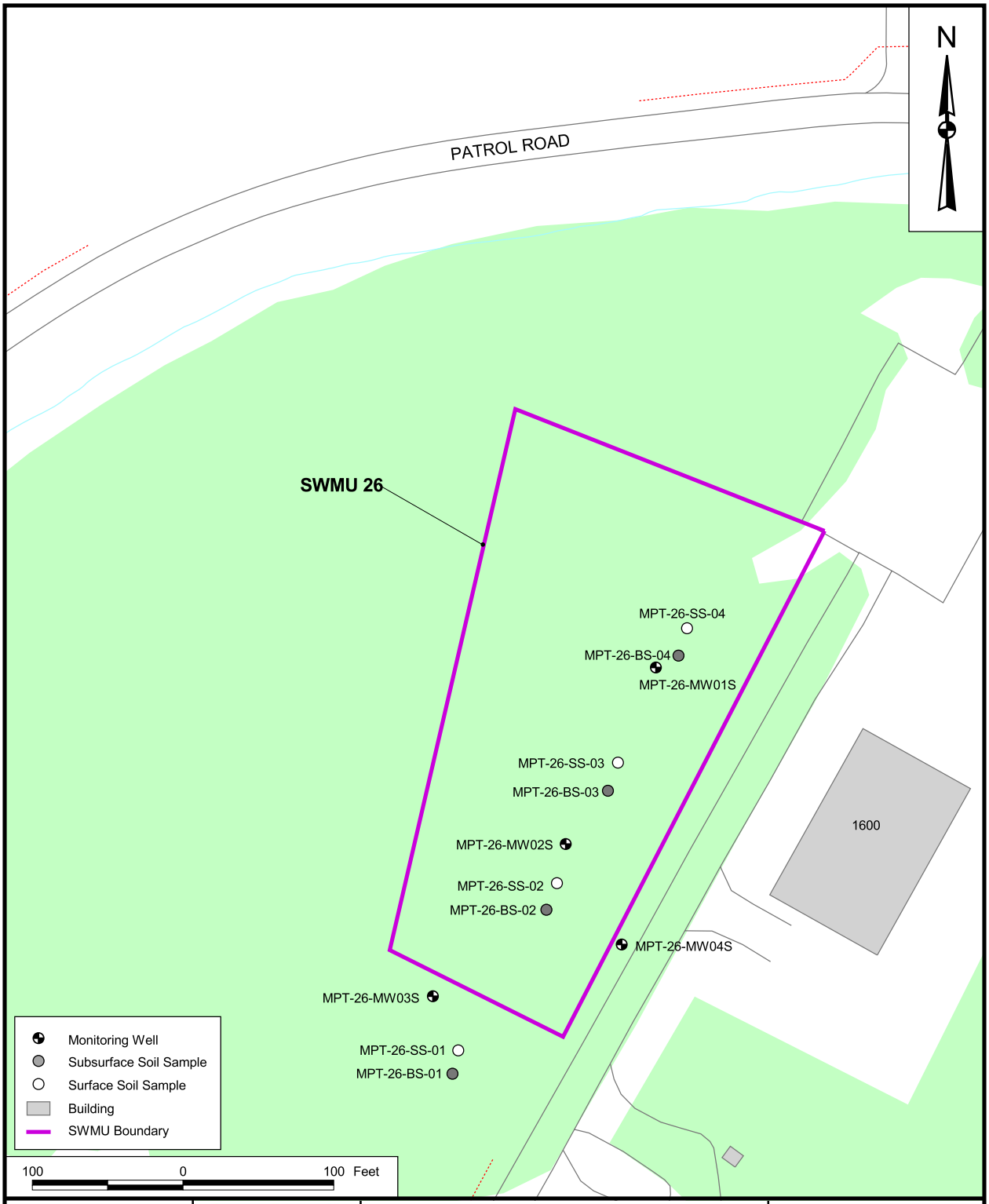
Historical data suggest that only construction debris was disposed at SWMU 26 as reported in the IAS (ESE, 1986) and RFA (Kearney, 1989).

3.1 DESCRIPTION OF CURRENT CONDITIONS

The description of current conditions is based on descriptions and data collected by ABB-ES during a site visit conducted in 1994. This information was taken from the Group II RFA Sampling Visit Report (ABB-ES, 1995d) and is summarized in the following sections. The Group II RFA Sampling Visit Report and referenced documents, however, should be reviewed for further details and in-depth analyses of the data presented herein. The information and analytical data from RFA Sampling Visit were utilized to form an up-to-date understanding of the current conditions at SWMU 26 from which COCs were identified and remedial actions were selected. A formal RFI was not conducted at SWMU 26.

3.1.1 RFA Sampling Visit Field Investigation

Confirmatory sampling of soil and groundwater at SWMU 26 was performed during September 1994 by collecting additional surface and subsurface soil samples, installing a single monitoring well, and collecting a groundwater sample. Four surface and four subsurface soil samples were collected in April 1992 at the approximate locations of the previous surface soil samples (see Figure 3-1). Four monitoring wells were installed in July 1994 (see Figure 3-1). Soil and groundwater samples were analyzed for VOCs, SVOCs, pesticides, PCBs, metals, and cyanide.



DRAWN BY S. STROZ — DATE 9/19/06	NAVFAC	SAMPLE LOCATION MAP SWMU 26 CORRECTIVE MEASURES STUDY NAVAL STATION MAYPORT MAYPORT, FLORIDA	CONTRACT NUMBER CTO 0033
CHECKED BY K. WIMBLE — DATE 2/28/07			APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. FIGURE 3 - 1 — REV 0

P:\GIS\MAYPORT_NS\APR\2868.APR UPDATED SWMU 26 LAYOUT 2/28/07 SP

3.1.1.1 RFA Sampling Visit Evaluation

The target analytes detected in the surface and subsurface soil and groundwater samples were compared to BSVs computed from Station-wide samples (ABB-ES, 1995c), benchmark values from USEPA Region III RBCs (USEPA, 1995), and the state of Florida cleanup goals (residential and industrial) (FDEP, 1995). (Note: Since the completion of the RFA, new standards [Chapter 62-77, F.A.C., CTLs] have been promulgated and NAVSTA Mayport background concentrations have been revised. The standards stated in this section are the standards available at the time of the RFA.)

Surface and Subsurface Soil

Four surface and subsurface soil sample pairs were collected on April 21, 1992, along the center line of SWMU 26 on 75-foot centers (see Figure 3-1). Surface soil samples were collected from 0 to 0.5 foot bgs. The subsurface soil samples were collected above the water table at a sampling interval of 4 to 4.5 feet bgs.

Surface soil at SWMU 26 consists of light tan, fine- to medium-grained sand with numerous shell fragments. Subsurface soil collected at sampling locations MPT- 26-SS/BS02 and MPT-26-SS/BS03 was similar to the surface soil. At sample locations MPT-26-SS/BS01 and MPT-26-SS/BS04, the tan sand graded with depth into a gray to dark gray clayey sand at approximately 1.5 feet bgs.

Four VOCs (2-butanone, toluene, xylenes, and acetonitrile) were detected in the surface soil samples. Two SVOCs (di-n-butylphthatate and bis(2-ethylhexyl)phthalate) were detected in the surface soil samples. These same analytes and the VOC chloroform were detected in the subsurface soil samples. Pesticides and PCBs were not detected in the surface or subsurface soil samples.

Inorganic target analytes detected in the surface and subsurface soil samples consisted of arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, zinc, and cyanide.

Groundwater

Monitoring well locations were chosen to bisect the known disposal area at 75-foot intervals. Since groundwater is at approximately 4.5 feet bgs and the debris was reported to be deposited at 8 feet bgs, groundwater was considered to be impacted. Additional monitoring wells attributed to SWMUs 2 and 22 were installed in the vicinity and were used to determine no groundwater impact at SWMU 26. Groundwater flow is northerly in this location; therefore, monitoring wells MPT-26-MW01 and MPT-22-MW02S are considered downgradient wells per the RFA Sampling Visit.

No VOCs, pesticides, PCBs, or cyanide (total) were detected in the groundwater samples collected from the SWMU 26 monitoring wells. Target analytes detected in the groundwater samples consist of two SVOCs (di-n-butylphthalate and bis(2-ethylhexyl)phthalate) and 11 inorganic analytes (antimony, arsenic, barium, calcium, lead, magnesium, manganese, selenium, sodium, thallium, and zinc). The inorganic groundwater samples were not filtered and represent total concentrations.

3.1.1.2 RFA Sampling Visit Preliminary Assessment of Human Health Impacts

A preliminary risk characterization for SWMU 26 was conducted for potential exposures to current and future land use scenarios. The soil and groundwater samples used in the assessment were collected in 1992 and 1994 during the RFA Sampling Visit field investigations described above.

Surface Soil

None of the VOCs or SVOCs detected in the surface soil samples exceeded the benchmark values. Two of the inorganic analytes, arsenic and beryllium, were detected in surface soil samples at concentrations that exceed benchmark values, which are based on values for an excess lifetime cancer risk (ELCR) of 1×10^{-6}.

Each of the four surface soil samples contained arsenic at concentrations that exceeded the USEPA Region III RBC of 0.37 milligram per kilogram (mg/kg) and the proposed Superfund soil screening level (SSL) of 0.4 mg/kg. None of the samples contained arsenic at concentrations that exceeded the FDEP cleanup goal of 2.1 mg/kg. The different benchmark values are a result of variations in assumptions used in the computations.

Only one of the samples (MPT-26-SS04) contained beryllium at a concentration of 0.33 mg/kg exceeding the BSV of 0.16 mg/kg and the USEPA Region III RBC of 0.15 mg/kg. Each of the four surface soil samples contained beryllium at concentrations that exceeded the proposed Superfund SSL of 0.1 mg/kg, but did not exceed the FDEP cleanup goal of 120 mg/kg.

Subsurface Soil

None of the VOCs or SVOCs detected in the subsurface soil samples exceeded the benchmark values. Two of the inorganic analytes, arsenic and beryllium, were detected in subsurface soil samples at concentrations that exceeded benchmark values. Only one of four subsurface soil samples (MPT-26-SS04BS04) contained arsenic at a concentration of 1.6 mg/kg that exceeded the RFA BSV of 0.9 mg/kg. Each of the four subsurface soil samples contained arsenic at concentrations that exceeded the USEPA Region III RBC of 0.37 mg/kg and the proposed Superfund SSL of 0.4 mg/kg. None of the samples contained arsenic at concentrations that exceeded the FDEP cleanup goal of 2.1 mg/kg. The

BSV for arsenic also exceeded the USEPA Region III RBC and the proposed Superfund SSL, but not the FDEP cleanup goal.

Only one of the four subsurface soil samples (MPT-26-BS04) contained concentrations of beryllium (0.23 mg/kg) that exceeded the BSV of 0.14 mg/kg and the USEPA Region III RBC of 0.15 mg/kg. Each of the four subsurface soil samples contained beryllium at concentrations that slightly exceeded the proposed Superfund SSL of 0.1 mg/kg.

Groundwater

Total dissolved solids exceed 10,000 milligrams per liter (mg/L) at this site; therefore, groundwater does not meet G-1 or G-II standards for drinking water. Groundwater in the adjacent SWMUs 2, 3, 4, 5 and 22 contains levels of sodium consistent with marine environment; thus, sodium is not considered in the COC process. Calcium, magnesium, and potassium do not have FDEP CTLs and were not considered in the COC selection process.

None of the SVOCs (phthalates) detected in groundwater samples collected from SWMU 26 monitoring wells exceeded the benchmark values. Three of the inorganic analytes (antimony, manganese, and thallium) exceeded benchmark values. Antimony was detected as a single occurrence at a concentration of 5.2 micrograms per liter (µg/L), which exceeded the USEPA Region III RBC of 1.5 µg/L, but was less than the Florida guidance concentration of 6 µg/L, which is a federal and state promulgated standard.

Manganese was detected in each of the four SWMU 26 groundwater samples and duplicate samples at concentrations that exceeded the USEPA Region III RBC of 18 µg/L and the Florida guidance concentration of 50 µg/L.

Thallium was detected as a single occurrence at a concentration of 1.4 µg/L, which exceeded the USEPA Region III RBC of 0.29 µg/L, but did not exceed the Florida guidance concentration of 2 µg/L, which is a federal and state promulgated standard.

3.1.1.3 Assessment of Ecological Impacts

An assessment of ecological impacts was not performed for SWMU 26 in the RFA Sampling Visit Report.

3.1.1.4 RFA Sampling Visit Recommendations

The RFA Sampling Visit Report concluded that based on the evaluation and comparison of the surface soil, subsurface soil, and groundwater sample analytical results to residential risk benchmarks, SWMU 26 was recommended for no further investigation.

3.1.2 Interim Measures

No IMs have been conducted.

3.1.3 CMS Data Set

The results of environmental samples collected during the RFA investigation were used to evaluate and select COCs in this CMS. Tables listing the complete analytical results of all sampling events per medium are included in Appendix A.

3.2 CONTAMINANTS OF CONCERN

The determination of COCs for surface soil, subsurface soil, and groundwater at SWMU 26 involved a three-step process as described in Section 1.5.3.

COIs were determined in the RFA Sampling Visit Report. Since the RFA Sampling Visit Report was issued, new SCTLs have been promulgated by the state of Florida. The latest update of the FDEP CTLs was effective April 17, 2005. The COIs for SWMU 26 are independently evaluated in the following sections to select the COCs to be carried forward in the CMS remedy selection process. For SWMU 26, the selection of COCs was performed based on residential direct exposure.

3.3 CONTAMINANTS OF INTEREST

The COIs included any contaminant detected at least once in validated analytical results for environmental samples in any medium collected at SWMU 26. The soil sampling locations at SWMU 26 are shown in Figure 3-1. The revised list of COIs for SWMU 26 is provided in Appendix B.

The concentrations of each COI were compared to the Florida CTLs (Chapter 62-777, F.A.C.) for surface soil, subsurface soil, and groundwater as appropriate. Section 1.5.3.2 provides a detailed description of the process for the identification of COPCs.

Calcium, magnesium, potassium, and sodium were not considered in the COC selection process.

3.3.1 Selection of Surface Soil COCs

The COC screening evaluation for surface soil involves an evaluation of COIs for direct exposure and leaching to groundwater. The direct exposure COPC screening process for surface soil identified no contaminants that exceeded the SCTLs, as shown in Appendix B.

Surface water (i.e., St. Johns River) is not located within 300 feet of SWMU 26, thus leaching of soil to marine surface water was not evaluated. The surface soil sample results were compared to the groundwater leachability CTLs and are shown in Appendix B. Only cyanide exceeded the groundwater leachability SCTL for surface soil at SWMU 26. Cyanide was not detected in any groundwater samples collected at SWMU 26, indicating that cyanide is not leaching at concentrations to cause groundwater contamination. Therefore, cyanide was not selected as a COC for surface soil. No contaminants were selected as COCs for surface soil.

3.3.2 Selection of Subsurface Soil COCs

The COC screening evaluation for subsurface soil involves an evaluation of COIs for direct exposure and leaching to groundwater. The direct exposure COC screening process for subsurface soil identified no contaminants that exceeded the SCTLs for direct residential exposure, as shown in Appendix B. Surface water (i.e., St. Johns River) is located more than 300 feet from SWMU 26; thus, leaching of soil to marine surface water was not evaluated. The surface soil sample results were compared to the groundwater leachability CTLs and are shown in Appendix B. Cyanide was detected at low concentrations at three locations that exceeded the leaching to groundwater SCTL for subsurface soil at SWMU 26. Cyanide was not detected in any groundwater samples collected at SWMU 26, indicating that cyanide is not leaching at concentrations to cause groundwater contamination. Therefore, cyanide is not selected as a COC for subsurface soil. No contaminants were selected as a COC for subsurface soil.

3.3.3 Selection of Groundwater COCs

The COC screening process for groundwater begins with comparing the maximum concentration directly to the GCTLs. The SWMU is located more than 300 feet away from the nearest surface water body; therefore, the discharge of groundwater into surface water was not evaluated as a pathway of concern. The COC screening process identified two contaminants, manganese and iron. Manganese exceeded NAVSTA Mayport background criteria. Iron also exceeded the GCTL in one location, MPT-26-02S.

Using the FDEP Low Yield/Poor Quality criteria for G-III groundwater, manganese and iron do not exceed GCTLs.

3.4 CONTAMINANTS OF CONCERN

The COC concentrations for each environmental medium were compared to the CTLs (Chapter 62-777, F.A.C.) for surface soil, subsurface soil, and groundwater, as appropriate. Section 1.5.3.3 provides a detailed description of the process for the identification of COCs.

3.4.1 Evaluation of Surface Soil COCs

There were no surface soil COPCs; therefore, a surface soil COC evaluation was not required for SWMU 26.

3.4.2 Evaluation of Subsurface Soil COCs

There were no subsurface soil COCs; therefore, a subsurface soil COC evaluation was not required for SWMU 26.

3.4.3 Evaluation of Groundwater COCs – Human Health

There were no groundwater COCs; therefore, a groundwater COC evaluation was not required for SWMU 26.

3.5 CONTAMINANTS OF CONCERN IN SOIL – ECOLOGICAL

No ecological risk assessment was performed at SWMU 26.

COC Summary

No COCs for surface soil, subsurface soil, or groundwater were identified for SWMU 26.

3.6 VOLUMES OF CONTAMINATED MEDIA – SOIL/BURIED WASTE

The total volume of landfill material and covering soil at SWMU 26 is estimated to be 21,400 cubic yards.

3.7 IDENTIFICATION AND SCREENING OF CORRECTIVE MEASURE TECHNOLOGIES

The purpose of this section is to identify and screen appropriate technologies for corrective measure alternatives addressing the CAOs identified. Using 62-780 F.A.C. criteria, the CAOs have been met and screening of corrective action measures was performed to demonstrate the applicability of using LUCs and site monitoring.

The buried waste is the only identified health risk concern at SWMU 26.

Table 3-1 presents the soil corrective measure technologies that are potentially applicable for addressing the CAOs. This table also presents the results of the screening of those technologies. The technology screening process reduces the number of potentially applicable technologies by evaluating the applicability of each technology to site and contaminant factors. Technologies deemed ineffective or not implementable were eliminated from further consideration.

3.8 DEVELOPMENT OF CORRECTIVE MEASURES ALTERNATIVES

The corrective measure alternatives were developed to address the landfill waste remaining at SWMU 26. The purpose of providing a range of alternatives is to ensure reasonable general corrective actions are represented and evaluated. The technologies that are selected to represent various alternatives for landfill waste are presented in Table 3-2.

Alternatives are developed using the representative technologies and are presented in Table 3-3. The criteria and elements to be used for the detailed analysis of alternatives are described in Section 1.6.

3.9 EVALUATION OF CORRECTIVE MEASURE ALTERNATIVES

The corrective measure alternatives for soil at SWMU 26 will include preventing exposure to the buried waste and soil. Two alternatives were developed to address soil contamination at SWMU 26. The alternatives are as follows:

Soil Alternative 1: No Action
Soil Alternative 2: Institutional Controls, Cover, and Site Monitoring

TABLE 3-1
SWMU 26, PRELIMINARY SCREENING OF CORRECTIVE MEASURES TECHNOLOGIES FOR SOIL
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
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General Corrective Action	Corrective Measures Technology	Technology	Description	General Screening Comments
No Action	None	Not Applicable	No remedial actions taken.	Retained. Will be considered for baseline comparison and for areas that have not experienced any releases of hazardous substances or for areas determined to have minimal short-term or long-term effects on soil, air, and groundwater quality.
Institutional Controls	Access Restrictions	LUCs	LUCs for property in area would include restrictions on excavation/construction or future land use.	Retained. LUCs are viable and will be considered where no active corrective measures are required and/or in combination with any technology where contaminants exceeding CMS objectives remain in place.
Containment	Cover/Cap	Soil	Use of soil to provide a physical barrier to limit erosion and to promote growth of vegetative cover.	Retained. The buried waste is reportedly covered with >2 feet of soil.
		Clay	Use of a compacted clay layer over contaminated areas to reduce infiltration and provide a physical barrier.	Eliminated. The depth of the waste is below the water table.
		Asphalt	Application of an asphalt layer over contaminated areas to prevent infiltration and provide a physical barrier.	Eliminated. The depth of the waste is below the water table.
		Asphalt	Application of an asphalt layer over contaminated areas to prevent infiltration and provide a physical barrier.	Eliminated. The depth of the waste is below the water table.
		Concrete	Installation of concrete slabs over contaminated areas to prevent infiltration and provide a physical barrier.	Eliminated. The depth of the waste is below the water table.
		Synthetic Membrane	Use of a synthetic membrane (polyethylene, etc.) over contaminated areas to prevent infiltration and provide a physical barrier.	Eliminated. The depth of the waste is below the water table.
	Underground Barriers	Synthetic Membrane	Use of a synthetic membrane (polyethylene, etc.) over contaminated areas to prevent infiltration and provide a physical barrier.	Eliminated. The depth of the waste is below the water table.
		Vertical Walls	Vertical slurry walls, grout curtains, sheet piles, or concrete walls around contaminated soil.	Eliminated. There is no confining layer at a reasonable depth for keying in.
Removal	Excavation	Heavy Equipment	Remove contaminated soil for ex situ treatment and/or disposal.	Eliminated.

TABLE 3-1
SWMU 26, PRELIMINARY SCREENING OF CORRECTIVE MEASURES TECHNOLOGIES FOR SOIL
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA
PAGE 2 OF 3

General Corrective Action	Corrective Measures Technology	Technology	Description	Screening Comments
In Situ Treatment	Bioremediation	Aerobic Biodegradation	Degradation of organics using microorganisms in an oxygen-enriched environment.	Eliminated as it is not effective for buried waste.
		Anaerobic Biodegradation	Degradation of organics using microorganisms in an oxygen-deficient environment.	Eliminated as it is not effective for buried waste.
		Bioventing	Bioremediation in which air is injected through wells to the subsurface to supply oxygen and increase biodegradation.	Eliminated as it is not effective for buried waste.
	Thermal	ISV	In-place heating of the soil by electrodes to convert soil to chemically inert and stable glass-like obsidian or crystalline material.	Eliminated as it is not effective for buried waste.
	Physical/ Chemical	Soil Flushing	Spray application of water or aqueous solutions upgradient to flush contaminants through the soil to downgradient wells or trenches for collection.	Eliminated as it is not effective for buried waste.
		Vapor Extraction (Vacuum extraction)	Uses an induced vacuum created by an extraction/injection well system around the contaminated area to desorb, transport, and collect volatile contaminants in the vadose (unsaturated) zone.	Eliminated because there are no volatile contaminants.
		Vapor Extraction (Vacuum extraction)	Uses an induced vacuum created by an extraction/injection well system around the contaminated area to desorb, transport, and collect volatile contaminants in the vadose (unsaturated) zone.	Eliminated because there are no volatile contaminants.
		Aeration	Surface tilling of soil to volatilize organics.	Eliminated because there are no volatile contaminants.
		Photolysis (photodegradation)	Uses UV radiation (light energy) to break chemical bonds.	Eliminated as it is not effective for buried waste.
		Chemical Stabilization/Fixation	To chemically bind the contaminants and prevent them from leaching	Eliminated because it requires thorough mixing of waste material with the fixation compounds that would disturb the rest of the landfill.
Ex Situ Treatment	Bioremediation	Aerobic Biodegradation	Degradation of organics using microorganisms in an oxygen-enriched environment. Includes slurry phase (mixing of soil with water in a vessel) and solid phase (treatment bed or land farming) processes.	Eliminated as it is not effective for buried waste.

TABLE 3-1
SWMU 26, PRELIMINARY SCREENING OF CORRECTIVE MEASURES TECHNOLOGIES FOR SOIL
NAVAL STATION MAYPORT
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General Corrective Action	Corrective Measures Technology	Technology	Description	Screening Comments
Ex Situ Treatment (continued)		Anaerobic Biodegradation	Degradation of organics using microorganisms in an oxygen-deficient environment. Includes slurry phase (mixing of soil with water in a vessel) and solid phase (treatment bed or land farming) processes.	Eliminated as it is not effective for buried waste.
	Thermal	Incineration	Heating of the soil to a high temperature in an enclosed, controlled reactor to destroy organic contaminants. Includes rotary kiln, wet air oxidation, or fluidized/circulating bed processes.	Eliminated because no organic contamination present at the site.
	Physical/ Chemical	Soil Washing	Desorption of contaminants using mechanical action and water based fluids such as water, aqueous surfactants, and acids.	Eliminated as it is not effective for buried waste.
	Physical/ Chemical	Aeration	After excavation, soil are placed on an impermeable surface and tilled to volatilize organics.	Eliminated because of low vapor pressure of contaminants.
		Chemical Stabilization/Fixation	To chemically bind the contaminants and prevent them from leaching	Eliminated because it requires digging up and thorough mixing of waste material with the fixation compounds which would disturb the rest of the landfill. Once the waste is removed from the landfill, it would be easy to dispose at TSDF. The technology may be used at the TSDF before land disposal.
		Chemical Stabilization/ Fixation	To chemically bind the contaminants and prevent them from leaching	Eliminated because it requires digging up and thorough mixing of waste material with the fixation compounds that would disturb the rest of the landfill. Once the waste is removed from the landfill, it would be easy to dispose at TSDF. The technology may be used at the TSDF before land disposal.
		Solvent Extraction	Organics are removed from the soil by introducing a solvent that will transfer the organic compounds (attached to the soil particles) to the solvent phase.	Eliminated as it is not effective for buried waste.
		Solvent Extraction	Organics are removed from the soil by introducing a solvent that will transfer the organic compounds (attached to the soil particles) to the solvent phase.	Eliminated as it is not effective for buried waste.
Disposal	Onsite Disposal	Backfill	Place treated soil back in place.	Eliminated. Waste is already buried on site. There is no value in moving the waste to a different on-site location.
	Offsite Disposal	Non- hazardous Waste Landfill	Non-hazardous landfill qualified to receive the waste contained within SWMU 26.	Eliminated. Excavation and disposal of landfill material into another landfill is cost prohibitive and not consistent with USEPA guidance regarding landfill remediation.
	Off-base Disposal	Hazardous Waste Landfill	Double-lined and capped permanent disposal facility.	Eliminated. The waste is not hazardous.
		TSDF	Treatment, storage, and disposal of waste at a regulated TSDF.	Eliminated. The waste is not hazardous.
	TSDF	Treatment/Storage/ Disposal Facility	Treatment, storage, and disposal of waste at a regulated TSDF.	Eliminated. The waste is not hazardous.

TABLE 3-2
SWMU 26, REPRESENTATIVE SOIL CORRECTIVE MEASURE TECHNOLOGIES
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

General Corrective Action	Corrective Measures Technology	Technology	Representative Technology	Rationale
No Action	No Action	None	None	Required
Institutional Controls	Access Restrictions	LUCs	LUCs	LUCs offer broader controls
Containment	Cover/Cap	Soil cover	Soil cover	Already in place

TABLE 3-3
SWMU 26, ASSEMBLY OF SOIL ALTERNATIVES
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

Alternative	Alternative Type	Representative Process Options Combined Into Alternatives	Alternative Description
Alternative 1: No Action	No Action	None	No Action.
Alternative 2: Institutional Controls, Cover, and Site Monitoring	Containment/ Limited Action – No or Limited Treatment	LUCs, Maintain Cover, and Monitoring	LUCs Posting of warning signs. Maintain soil cover. LUC monitoring.

3.9.1 Soil Alternative 1: No Action

The No Action alternative serves as a baseline consideration for addresses sites that do not require active remediation. This alternative assumes that no corrective action would occur. No LUCs would remain or be implemented. There would be no monitoring of conditions. Natural attenuation might eventually reduce low concentrations of contaminants to acceptable levels, but the progress of attenuation would not be monitored.

3.9.2 Soil Alternative 2: Institutional Controls, Cover, and Site Monitoring

Alternative 2 would be of the limited action type. Alternative 2 would maintain the existing soil cover and vegetation and require it to remain in place. Institutional controls and LUCs are rules, directives, policies, and other measures (e.g., fencing and warning signs) adopted by the appropriate authorities in a manner consistent with applicable Federal, State, and local laws. Land use at SWMU 26 is to remain industrial. Institutional controls and LUCs would be implemented in the form of a subsurface soil disturbance prohibition.

The implemented institutional controls and LUCs would serve to both protect human health by precluding exposure to the buried waste. Institutional controls and LUCs would be imposed on the identified landfill area. Institutional controls and LUC implementation would occur via preparation of a site-specific LUCIP that will describe the site location, the prohibition itself, its objectives, and other pertinent information. Once implemented, LUC oversight will be specified in the CMIP executed between the Navy and the FDEP.

3.10 EVALUATION OF SOIL CORRECTIVE MEASURE ALTERNATIVES

The identified corrective measure alternatives for soil are evaluated using the criteria described in Section 1.6.

3.10.1 Soil Alternative 1: No Action

Protect Human Health and the Environment

No Action would allow unacceptable risks to human health and the environment as it would not prevent access to buried waste.

Attain Media Cleanup Standards

The primary issue is the buried waste. There are no media cleanup standards for buried waste. Therefore, this alternative would not attain media cleanup standards.

Control the Source of Releases

No Action would not control or eliminate the source as buried waste would remain.

Comply with any Applicable Standards for Management of Wastes

No Action would not involve any waste management activities and, therefore, no standards for management of wastes would apply.

Other Factors

a. Long-term Reliability and Effectiveness

The No Action alternative would not provide long-term reliability and effectiveness at SWMU 26 as the buried waste would remain in place.

b. Reduction in the Toxicity, Mobility, or Volume of Wastes

The primary issue is the buried waste. No change in toxicity, mobility or volume of waste is expected.

c. Short-term Effectiveness

Short-term effectiveness is not relevant as there would not be any remedial activity related construction. The No Action alternative would not include any construction or remedial implementation, so there would be no short-term risks to workers, the community, or the environment. Neither the public nor the workers would be exposed to potential threats associated with construction or transportation.

d. Implementability

No technical implementability issues would exist because no corrective action would occur. Once the alternative is approved, there would be no administrative issues and no need to coordinate with other agencies or acquire permits. Future remedial actions, if needed, would not be hindered by the No Action alternative.

e. Cost

No corrective action would occur; thus the cost would be $0.

3.10.2 Soil Alternative 2: Institutional Controls, Cover, and Site Monitoring

Protect Human Health and the Environment

LUCs applied to SWMU 26 would minimize direct human exposure to buried waste by controlling site access and use. Buried waste would remain in place. The reported 2 feet of cover would be maintained to prevent exposure to the buried waste. Use of the land will be monitored to prevent residential or residential-like use of SWMU 26 and limit human exposure to the contamination by workers.

Attain Media Cleanup Standards

The primary issue is the buried waste. There are no media cleanup standards for buried waste. Therefore, this alternative would not attain media cleanup standards.

Control the Source of Releases

LUCs and site monitoring would not control or eliminate the source of contamination. Existing soil and vegetation would control the erosion which might expose the buried waste.

Comply with Any Applicable Standards for Management of Wastes

LUCs would not involve any waste management activities and, therefore, no standards for management of wastes would apply.

Other Factors

a. Long-term Reliability and Effectiveness

Monitoring would indicate if unacceptable risk occurs at SWMU 26. Long-term management would consist of LUCs and site monitoring and would be expected to last 30 years or more.

b. Reduction in the Toxicity, Mobility, or Volume of Wastes

The primary issue is the buried waste. No change in toxicity, mobility or volume of waste is expected.

c. Short-term Effectiveness

Short-term effectiveness is not relevant as there would not be any remedial activity related construction. The LUC alternative would not include any construction or remedial implementation, so there would be no short-term risks to workers, the community, or the environment. Neither the public nor the workers would be exposed to potential threats associated with construction or transportation.

d. Implementability

Alternative 2 would be readily implementable. Administrative issues associated with preparing and implementing the LUCs via a CMIP are anticipated to be minimal. Future remedial actions, if needed, would not be hindered by this alternative.

e. Cost

The cost estimates reflect cost to the nearest approximate $1,000. The estimated capital cost for Alternative 2 would be approximately $37,000. The annual operation and maintenance (O&M) costs would be about $3,500. Present worth cost over a period of 30 years would be approximately $96,000. Appendix D contains the cost estimating spreadsheets for SWMU 26.

3.11 RECOMMENDATION FOR A FINAL BURIED WASTE CORRECTIVE MEASURE ALTERNATIVE

The recommendation for a final corrective measure alternative for the buried waste will be based on a comparative analysis of alternatives.

3.11.1 Comparative Analysis of Soil Alternatives

A comparative analysis of alternatives is presented to address how effectively each alternative will comply with the standards listed in the guidance (USEPA, 1994). Alternative 1, No Action, is considered for baseline purposes and is not expected to satisfy any of the requirements.

Protect Human Health and Environment

Alternative 2 would be effective in protecting human health and the environment. Alternative 1 would not protect human health or the environment. Because of the depth of the buried waste at SWMU 26, and the lack of contamination in the soil exceeding SCTLs for direct contact, Alternative 2 would be adequately protective of human health. Alternative 2 would require institutional controls and LUCs to prevent residential or residential-like use.

Attain Media Cleanup Standards/CTLs

Alternatives 1 and 2 may attain the same after a long period as they rely on natural processes.

Control the Sources of Releases

Alternatives 1 and 2 would not provide any source control for preventing leaching. Alternatives 2 would depend on natural attenuation processes to degrade COCs in the source areas.

Comply with any Applicable Standards for Management of Wastes

Alternative 1 would not generate wastes. Alternative 2 would generate small quantities of waste during cover maintenance. None of the waste streams are expected to have LDRs.

Other Factors

a. Long-term Reliability and Effectiveness

Alternatives 1 and 2 rely on natural attenuation processes in addressing the source. None of these alternatives would have any treatment system in-place.

b. Reduction in the Toxicity, Mobility, or Volume of Waste

Alternatives 1 and 2 would not reduce contaminant toxicity or volume.

c. Short-term Effectiveness

Alternatives 1 and 2 require no construction activity. Neither alternative would pose any threat to local communities or onsite personnel during the implementation of the corrective measures. Onsite workers would be protected from exposure to hazardous substances through appropriate use of PPE.

d. Implementability

Both alternatives are readily implementable. The technologies involved and required services are easily available. Administrative issues and coordination with other agencies or acquiring permits are easily achievable. Future remedial actions would not be hindered by the alternative.

e. Cost

The estimated capital, O&M, and net present worth costs are presented in Table 3-4.

TABLE 3-4
SWMU 26, COSTS FOR SOIL ALTERNATIVES
NAVAL STATION MAYPORT
JACKSONVILLE, FLORIDA

ALTERNATIVE	CAPITAL COSTS	ANNUAL O&M COSTS*	TOTAL PRESENT WORTH COSTS**
1	$0	• No Cost.	$14,000 or $0
2	$37,000	• $3,581 for 1-30 years • with an additional $7,016 every 5 years	$96,436

Notes:
* Labor and material costs are for comparison value only.
** 30-YEAR, 7% INTEREST RATE

3.11.2 Recommendation

Based on the screening of technologies and assessment of various alternatives performed, Alternative 2 is recommended for addressing the buried waste at SWMU 26.

3.12 DESCRIPTION OF THE RECOMMENDED SOIL CORRECTIVE MEASURES ALTERNATIVE

3.12.1 Summary of the Soil Corrective Measure and Rationale

a. Description of the Corrective Measure and Rationale for Selection

The recommended corrective measure alternative involves implementing LUC at SWMU 26 and maintaining the existing soil cover over the landfill.

b. Performance Expectations

The recommended corrective measure alternative would prevent potential human exposure pathways. Based on the RFI conclusions, there were no ecological impacts.

c. Preliminary Design Criteria and Rationale

LUCs would be in place to prevent residential construction at the site. Cover thickness and maintenance requirements will be developed.

d. General O&M Requirements

LUC inspections would be conducted as outlined in the CMIP.

e. Long-term Monitoring Requirements

LUC inspections would be conducted as outlined in the CMIP.

3.12.2 Design and Implementation Precautions

a. Special Technical Problems

No technical problems are anticipated in implementing the corrective measures.

b. Additional Engineering Data Required

No additional engineering data are required.

c. Permits and Regulatory Requirements

The CMIP would require approval by FDEP.

d. Health and Safety Requirements

No construction activities are required, therefore health and safety requirements are satisfied.

e. Community Relations Activities

The selection of preferred corrective measures and details on how they would be implemented would be presented to the local community.

3.12.3 Cost Estimate and Schedule

a. Capital Cost Estimate

The capital costs involved in the implementation of the recommended corrective measure alternative are presented in Table 3-4.

b. O&M Cost Estimate

O&M costs for the recommended corrective measure alternative are presented in Table 3-4.

c. Project Schedule

The estimated schedule to implement LUCs and monitoring is less than 1 year.

4.0 SWMU 28 – DEFENSE REUTILIZATION AND MARKETING OFFICE YARD

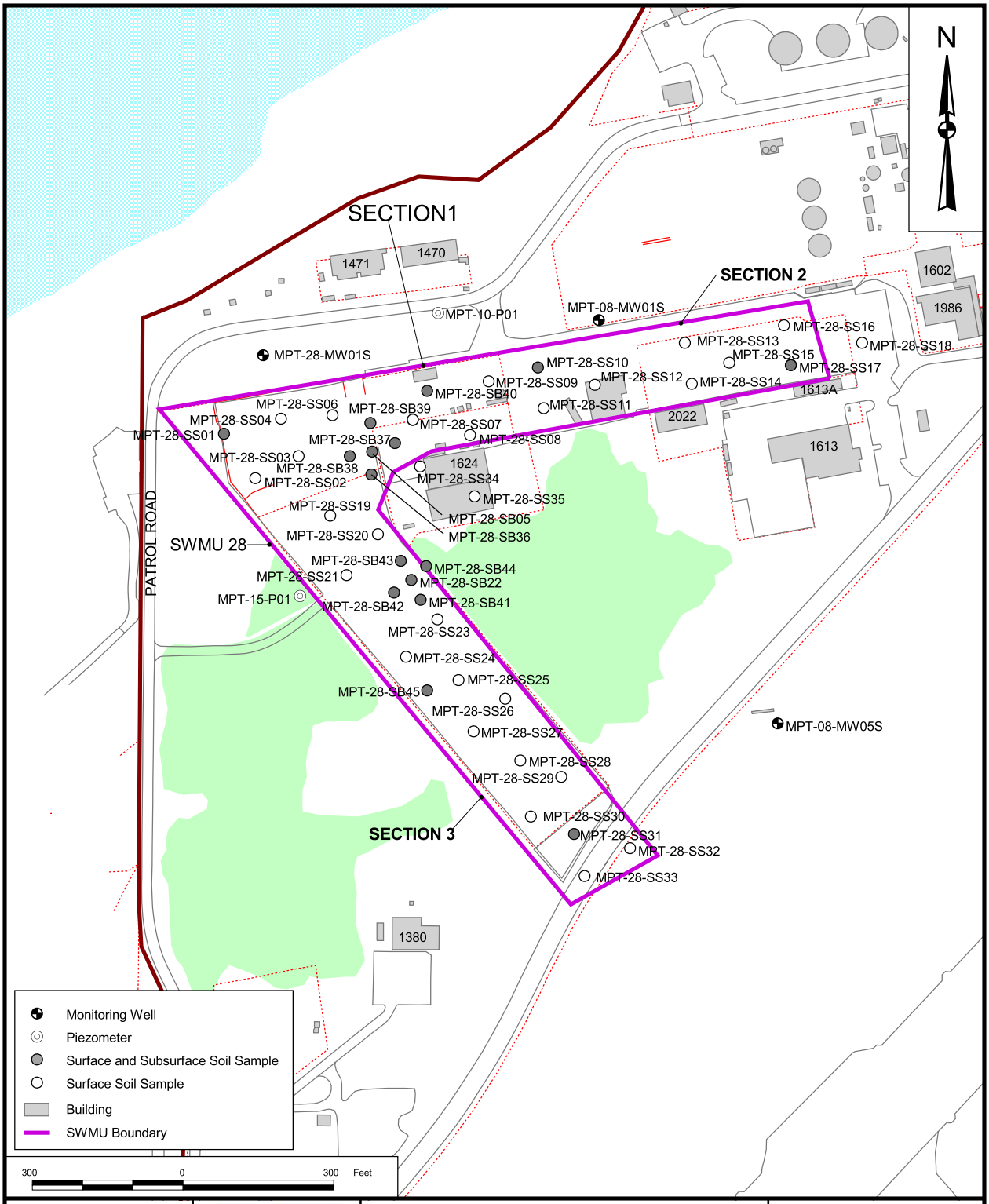
SWMU 28, the Defense Reutilization and Marketing Office (DRMO) Storage Area, is located in the northern part of NAVSTA Mayport (see Figure 4-1) on an abandoned asphalt runway south of the former Oily Waste Pit (SWMU 6) and the Oily Waste Treatment Plant sludge drying beds (SWMU 7). The storage area is located on an abandoned runway approximately 1,300 feet long and 150 feet wide, is oriented west to east parallel to the St. Johns River, and an area of runway extends to the south approximately 800 feet from the western end of the SWMU. The entire DRMO area is fenced.

The DRMO yard covers a large area (315,000 square feet); therefore, it was divided into three separate sections for descriptive purposes. The first two sections are located along the east-west runway, which are 1,300 feet long and 150 feet wide (195,000 square feet). Section 1 of SWMU 28 is 650 feet long, 150 feet wide, and consists of the western half (97,500 square feet) of the abandoned east-west runway. Section 1 also contains a storage yard. Section 2 is 650 feet long, 150 feet wide, consists of the eastern half of the abandoned east-west runway, and is 97,500 square feet. SWMUs 6 and 7 are located to the north of this section. Section 3 of SWMU 28 is the rectangular area that extends at an angle to the southeast 800 feet from the western end of the runway. The total area of Section 3 is 120,000 square feet. Formerly, Sections 1, 2, and 3 were used to store scrap metal and other items. Currently, Sections 1 and 3 are in the DRMO yard, and Section 2 is a parking area.

SWMU 28 is used for staging scrap metal and other items turned in to the DRMO for salvage. The area has been in use since 1967, and items stored there including transformers (oils and PCBs), paints (lead), and solvents (chlorinated and non-chlorinated) which may have leaked or spilled. At the time of the VSI, vegetation was noted to be growing through the asphalt (Kearney, 1989). SWMU 28 was identified as Naval Installation Restoration Program Site 10 in the IAS, in which it was estimated that less than 200 gallons of liquid had been spilled in the area (ESE, 1986). The RFA (Kearney, 1989) recommended that soil samples be collected in the vicinity of the runway pad based on the inventory of materials stored at and possibly spilled in the area.

4.1 DESCRIPTION OF CURRENT CONDITIONS

The description of current conditions is based on descriptions and data collected by ABB-ES during a site visit conducted in June to August 1994. This information was taken from the Group II RFA Sampling Visit Report (ABB-ES, 1995d) and is summarized in the following sections. The Group II RFA Sampling Visit Report and referenced documents, however, should be reviewed for further details and in-depth analyses of the data presented herein.



DRAWN BY	DATE			CONTRACT NUMBER
S. STROZ	9/20/06		SAMPLE LOCATION MAP	CTO 0033
CHECKED BY	DATE		SWMU 28	APPROVED BY / DATE
K. WIMBLE	4/03/07		CORRECTIVE MEASURES STUDY	— / —
COST/SCHEDULE-AREA			NAVAL STATION MAYPORT	APPROVED BY / DATE
			MAYPORT, FLORIDA	— / —
SCALE		NAVFAC		DRAWING NO. FIGURE 4 - 1 / REV 0
AS NOTED				

P:\GIS\MAYPORT_NS\APR\2868.APR UPDATED SWMU 28 LAYOUT 4/03/07 SP

The information and analytical data from the RFA Sampling Visit were used to form an up-to-date understanding of the current conditions at SWMU 28 from which COCs were identified and for which remedial actions were selected. A formal RFI was not conducted at SWMU 28.

4.1.1 RFA Sampling Visit Field Investigation

Limited confirmatory sampling was conducted by ABB-ES in August of 1994 at SWMU 28 as part of the RFA sampling visit. Eighteen surface soil samples were collected: nine at Section 1 (MPT-28-SS01 through MPT-28-SS09) and nine at Section 2 (MPT-28-SS10 through MPT-28-18). Fifteen surface soil samples were collected in Section 3 (MPT-28-SS19 through MPT-28-SS33). Two surface soil samples were collected in the storage area behind the recycling center on the southern side of Section 1 (MPT-28-SS34 and MPT-28-SS35) (see Figure 4-1). No attempt was made at that time to characterize the horizontal and vertical extent of contamination.

Two subsurface soil samples were collected from each of the three sections in the DRMO yard. Subsurface samples were collected from the following locations:

- Section 1, MPT-28-BS01 and MPT-28-BS05
- Section 2, MPT-28-BS10 and MPT-28-BS17
- Section 3, MPT-28-BS22 and MPT-28-BS31

Groundwater samples were collected from three monitoring wells and two piezometers located near SWMU 28. Piezometers are installed and constructed the same as shallow monitoring wells. These included monitoring wells MPT-8-MW01S, MPT-8-MW05S (upgradient well), and MPT-28-MW01S and piezometers MPT-10-P01 and MPT-15-P01.

Information regarding the investigation methods and sampling procedures are provided in the NAVSTA Mayport GIR (ABB-ES, 1995c) and in the NAVSTA Mayport RFI Work Plan (ABB-ES, 1991). The soil samples were analyzed for VOCs, SVOCs, pesticides, PCBs, metals, and cyanide. Figure 4-1 depicts the locations of environmental samples collected during the RFA Sampling Visit investigation.

4.1.1.1 RFA Sampling Visit Evaluation

The target analytes detected in the surface soils, subsurface soil, and groundwater samples were compared to BSVs computed from station-wide samples (ABB-ES, 1995c), benchmark values from USEPA Region III RBCs (USEPA, 1995), and the state of Florida cleanup goals (residential)

(FDEP, 1995). (Note: Since the completion of the RFA, new standards [Chapter 62-770, F.A.C., CTLs] have been promulgated and NAVSTA Mayport background concentrations have been revised. The standards stated in this section are the standards available at the time of the CMS.)

Surface Soil

Two VOCs (acetone and xylenes), 2 SVOCs (diethylphthalate, di-n-butylphthalate, and pyrene) and 11 inorganics (arsenic, barium, beryllium, chromium, cobalt, copper, lead, silver, tin, vanadium, and zinc) were detected in surface soil for Section 1 of SWMU 28.

One VOC (xylenes), 14 SVOCs (fluoranthene, pyrene, butylbenzylphthalate, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, di-n-butylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, benzo(a)pyrene, indeno(1,2,3-cd)pyrene, dibenzo(a,h)anthracene, and benzo(g,h,i)perylene), and 11 inorganics (antimony, arsenic, barium, beryllium, chromium, copper, lead, tin, vanadium, zinc, and cyanide) were detected in surface soil for Section 2 of SWMU 28.

One VOC (acetone), 5 SVOCs (di-n-butylphthalate, 4-chloro-3-methylphenol, pyrene, and 2-chlorophenol.) and 14 inorganics (arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, selenium, silver, tin, vanadium, zinc, and cyanide) were detected in surface soil in Section 3 of SWMU 28.

Target analytes detected in surface soil samples collected at the storage area behind the recycling center consisted of 1 VOC (methylene chloride) and 10 inorganics (arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc). No pesticides or PCBs were detected in any of the surface soil samples.

Subsurface Soil (Results from 1994 Sampling Event)

Three VOCs (acetone, carbon disulfide, and 2-butanone) and 12 inorganics (arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, tin, vanadium, and zinc) were detected in Section 1 of SWMU 28. No SVOCs, pesticides, or PCBs were detected in subsurface soil samples collected at Section 1.

Three VOCs (acetone, carbon disulfide, and xylenes), 1 SVOC (di-n-butylphthalate), and 12 inorganics (antimony, arsenic, barium, beryllium, chromium, cobalt, copper, lead, selenium, tin, vanadium, and zinc) were detected in Section 1 of SWMU 28. No pesticides or PCBs were detected in subsurface soil samples collected at Section 2.

One VOC (carbon disulfide), 9 SVOCs (fluoranthene, pyrene, butylbenzylphthalate, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, indeno(l,2,3-cd)pyrene, dibenz(a,h)anthracene, and

benzo(g,h,i)perylene), and 14 inorganics (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, tin, vanadium, zinc, and cyanide) were detected in Section 3 of SWMU 28. No pesticides or PCBs were detected in the surface soil samples collected at Section 3.

Groundwater

Target analytes detected in monitoring well MPT-8-MW05S, which is hydraulically upgradient from SWMU 28, consist of one SVOC (3&4-methylphenol) and one inorganic (calcium). No VOCs, pesticides, or PCBs were detected in the groundwater samples collected from upgradient monitoring well MPT-8-MW05S.

Groundwater samples collected from wells MPT-28-MW01S, MPT-10-P01, and MPT-15-P01 contained four SVOCs (1-methylnaphthalene, 2-methylnaphthalene, fluorine, and phenanthrene) and six inorganics (arsenic, barium, manganese, nickel, vanadium, and zinc). No VOCs, PCBs, or pesticides were detected.

4.1.1.2 RFA Sampling Visit Preliminary Assessment of Human Health Impacts

A preliminary risk characterization for SWMU 28 was conducted for potential exposures to current and future land use scenarios. The soil samples used in the assessment were collected in June to August 1994 during the RFA Sampling Visit field investigations described above.

Surface Soil

None of the VOCs (acetone, methylene chloride, and xylenes) were detected in the surface soil samples collected at SWMU 28 at concentrations that exceeded the benchmark values. No pesticides or PCBs were detected in the surface soil samples. One SVOC (4-chloro-3-methylphenol) and one inorganic (arsenic) were determined to be COPCs. The SVOC (4-chloro-3-methylphenol) was determined to be a COPC because there was no benchmark criterion for this compound.

Concentrations of arsenic and beryllium exceeded human health based risk benchmark values, which represent an ELCR of 1×10^{-6}. The potential risk associated with observed concentrations of arsenic and beryllium is within a range (1×10^{-6} to 1×10^{-4}) that is considered by the USEPA to be protective of human health.

Subsurface Soil (Results from 1994 Sampling Event)

None of the VOCs (2-butanone, acetone, carbon disulfide, and xylenes) were detected in the subsurface soil samples collected at SWMU 28 at concentrations that exceeded the benchmark values. No pesticides or PCBs were detected in the surface soil samples. Five SVOCs (benzo(a)anthracene,

benzo(b)fluoranthene, chrysene, dibenzo(a,h)anthracene, and indeno(1,2,3-cd)pyrene) and two inorganics (arsenic and beryllium) were determined to be COPCs.

One of the subsurface soil samples from Section 3 contained the SVOC dibenzo(a,h)anthracene at a concentration of 180 micrograms per kilogram (µg/kg) that exceeded the USEPA Region III RBC of 88 µg/kg and the proposed Superfund SSL of 90 µg/kg. Because PAH compounds like dibenzo(a,h)anthracene may have cumulative adverse carcinogenic effects, the other PAH compounds detected (benzo(a)anthracene, benzo(b)fluoranthene, chrysene, and indeno(1,2,3-cd)pyrene) were also considered when the PAH concentrations were compared to the USEPA benchmark values.

Arsenic and beryllium were detected in subsurface soil samples at concentrations that exceeded benchmark values, which are based on values for an ELCR of 1×10^{-6}. The potential risk associated with concentrations of arsenic and beryllium that were detected is within a range (1×10^{-6} to 1×10^{-4}) that is considered by the USEPA to be protective of human health (40 Code of Federal Regulations Part 300). As stated in the RFA Sampling Visit Report, because the land features at NAVSTA Mayport are influenced by the deposition of dredge material from Mayport Turning Basin, it cannot be determined whether the concentrations of arsenic and beryllium are related to a release at SWMU 28 or are residual concentrations from the dredge material.

Groundwater

Total dissolved solids exceed 10,000 mg/L at this site, so groundwater does not meet G-1 or G-II standards for drinking water. Due to proximity to marine surface water (St. Johns River), sodium was not considered in the COC process. Calcium, magnesium, and potassium do not have FDEP CTLs and were not considered in the COC selection process.

Five SVOCs (3&4-methylphenol, 1-methylnaphthalene, 2-methylnaphthalene, fluorene, and phenanthrene), and six inorganics (arsenic, barium, manganese, nickel, vanadium, and zinc) were determined to be COPCs in the groundwater at SWMU 28. VOCs, pesticides, and PCBs were not detected in the groundwater samples. The SVOC 3&4-methylphenol was determined to be a COPC because there was no benchmark criterion for this compound.

4.1.1.3 Assessment of Ecological Impacts

An assessment of ecological impacts was not performed for SWMU 28 in the RFA Sampling Visit Report.

4.1.1.4 RFA Sampling Visit Recommendations

The RFA Sampling Visit Report concluded that based on the evaluation and comparison of the surface soil, subsurface soil, and groundwater sample analytical results to residential risk benchmarks, SWMU 28 was recommended for no further investigation.

4.1.2 Interim Measures

No IMs were conducted at SWMU 28.

4.1.3 Confirmatory Soil Sampling

The sample results from 1994 were compared with the updated FDEP cleanup goals. The subsurface soil sampling event in 1994 identified two contaminants, arsenic and benzo(a)pyrene equivalents, that exceeded FDEP SCTLs for residential direct exposure. Arsenic was detected at MPT-28-SB05 and MPT-28-SB22, exceeding the SCTL for residential direct exposure criteria of 2.1 mg/kg. The benzo(a)pyrene equivalents were also detected at MPT-28-SB22, exceeding the SCTL of 0.1 mg/kg for residential direct exposure. Limited confirmatory subsurface soil sampling was conducted by Tetra Tech in March 2007 at SWMU 28 to confirm the presence of the two contaminants and the extent of contamination.

On March 14, 2007, MPT-28-SB22 was resampled at 4 feet bgs and analyzed for arsenic and the PAH compounds included in the benzo(a)pyrene equivalents calculation. Five subsurface step-out soil borings (MPT-28-SB41, MPT-28-SB42, MPT-28-SB43, MPT-28-SB44, and MPT-28-SB45) were collected around MPT-28-SB22 and were analyzed for arsenic and PAHs. All six samples (including MPT-28-SB22) had concentrations of benzo(a)pyrene equivalents less than the FDEP SCTL for residential direct exposure criteria. Five out of the six aforementioned samples, including MPT-28-SB22, had concentrations of arsenic less than the FDEP SCTL for residential direct exposure (2.1 mg/kg); however, arsenic was detected in one location (MPT-28-SB44) at 2.1 mg/kg, which is equal to the FDEP SCTL for residential direct exposure.

On March 15, 2007, MPT-28-SB05 was resampled at 4 feet bgs and analyzed for arsenic. Five step-out subsurface soil borings (MPT-28-SB36, MPT-28-SB37, MPT-28-SB38, MPT-28-SB39, and MPT-28-SB40) were collected at locations surrounding MPT-28-SB05 and were analyzed for arsenic. All six samples (including MPT-28-SB05) had concentrations of arsenic less than the FDEP SCTL for residential direct exposure.

The data validation package from the March 2007 confirmatory sampling event is provided in Appendix E. The GPS coordinates summarizing all of the soil samples located at SWMU 28, including the samples from March 2007, are provided in Appendix F.

4.1.4 CMS Data Set

The results of environmental samples collected during the RFA investigation were used to evaluate COIs and to select COCs in this CMS. Tables listing the complete analytical results of all sampling events per medium are included in Appendix A.

4.2 CONTAMINANTS OF CONCERN

The determination of COCs for surface soil, subsurface soil, and groundwater at SWMU 28 involved a three-step process as described in Section 1.5.3. COIs were determined in the RFA Sampling Visit Report. New soil and groundwater CTLs have been promulgated since the RFA Sampling Visit Report was issued. The COIs for SWMU 28 are compared to the FDEP CTLs and are independently evaluated in the following sections to select the COCs to be carried forward in the CMS remedy selection process.

4.3 CONTAMINANTS OF INTEREST

The COIs included any contaminant detected at least once in validated analytical results for environmental samples in any medium collected at SWMU 28. The locations of soil sampling locations at SWMU 28 are shown in Figure 4-1. The revised list of COIs for at SWMU 28 is provided in Appendix B.

4.3.1 Contaminants of Concern

The COI concentrations for environmental medium were compared to the Florida CTLs (Chapter 62-777, F.A.C.) for surface soil, subsurface soil, and groundwater, as appropriate. Section 1.5.3.2 provides a detailed description of the process for the identification of COPCs.

Calcium and magnesium do not have FDEP CTLs and were not considered in the COC selection process. At the concentrations detected in this area, sodium is considered naturally occurring, due to the location between the St Johns River and the Atlantic Ocean. In addition, several water quality parameters that were measured during the groundwater analyses were not evaluated, including alkalinity, hardness, sulfide, total dissolved solids, total Kjeldahl nitrogen), total organic carbon, and total phosphorus.

4.3.1.1 Selection of Surface Soil COCs

The COC screening evaluation for surface soil involves an evaluation of the 1994 COIs for direct exposure and leaching to groundwater. The direct exposure COC screening process (see Appendix B) for surface soil identified one contaminant, arsenic, that exceeded the SCTLs.

4.3.1.2 Selection of Subsurface Soil COCs

The COC screening evaluation for subsurface soil involves an evaluation of the 1994 COIs for direct exposure and leaching to groundwater. The direct exposure COC screening process for subsurface soil identified two contaminants, benzo(a)pyrene equivalents and arsenic, that exceeded the SCTLs for residential direct exposure (Appendix B). Arsenic did not exceed the approved background value of 13.7 mg/kg.

The March 2007 confirmatory soil sample results are more representative of the current conditions of SWMU 28 than the 1994 results. The subsurface soil sample collected at MPT-28-SB22 in March 2007 did not exceed the FDEP SCTLs for residential direct exposure for benzo(a)pyrene equivalents. Therefore, benzo(a)pyrene equivalents were not selected to be a COC.

The evaluation of the subsurface soil to determine leachability to groundwater was conducted, as shown in Appendix B. Chromium was detected at one location exceeding the leaching to groundwater SCTL for subsurface soil at SWMU 28. Chromium was not detected in any groundwater samples collected at SWMU 28 indicating that chromium is not leaching at concentrations to cause groundwater contamination. Chromium is not selected as a COI for subsurface soil; therefore, no contaminants were selected as a leachability COC for subsurface soil.

4.3.1.3 Selection of Groundwater COCs

The COC screening process for groundwater begins with comparing the maximum concentration directly to the GCTLs. Iron exceeded the GCTL in MPT-08-MW01S as shown in Appendix B. The monitoring well is located on the fringe of SWMU 6, which is a waste oil pit sludge and sludge drying bed, being monitored for petroleum contamination. The degradation of petroleum contamination likely affected the groundwater geochemistry by lowering the dissolved oxygen concentrations, causing naturally occurring iron in the soil to dissolve into groundwater. As a result of this determination, no contaminants were identified as COCs for groundwater at SWMU 28.

4.3.2 Contaminants of Concern – Human Health

The COC concentrations for each environmental medium were compared to the FDEP CTLs (Chapter 62-777, F.A.C.) for surface soil, subsurface soil, and groundwater as appropriate. Section 1.4.3.3 provides a detailed description of the process for the identification of COCs.

4.3.2.1 Selection of Surface Soil COCs

The COC arsenic exceeded the SCTL for residential direct exposure criteria in surface soil but did not exceed the NAVSTA Mayport background criteria of 13.7 mg/kg. Therefore, arsenic was not selected to be a COC. Based on these determinations, no COCs were identified in the surface soil at SWMU 28.

4.3.2.2 Selection of Subsurface Soil COCs

The COC arsenic exceeded the SCTL for residential direct exposure criteria in subsurface soil but did not exceed the NAVSTA Mayport background criteria of 13.7 mg/kg. Therefore, arsenic was not selected to be a COC. Based on these determinations, no COCs were identified in the subsurface soil at SWMU 28.

4.3.2.3 Selection of Groundwater COCs

No COCs were identified for groundwater at SWMU 28; therefore, a groundwater COC evaluation is not required.

4.3.3 Contaminants of Concern in Soil – Ecological

No ecological risk assessment was performed at SWMU 28.

4.3.4 COC Summary

No COCs for surface soil, subsurface soil, or groundwater were identified for SWMU 28.

4.4 IDENTIFICATION AND SCREENING OF CORRECTIVE MEASURES TECHNOLOGIES

Corrective measure technologies are identified and screened to address the CAOs identified for SWMU 28 (see Section 1.4.1). Soil or groundwater technologies are not required because there are no soil or groundwater COCs at SWMU 28.

4.5 RECOMMENDATION FOR A FINAL CORRECTIVE MEASURE

No Action is recommended for addressing the soil and groundwater at SWMU 28.

5.0 SWMU 56 – BUILDING 1552 ACCUMULATION AREA

SWMU 56, the Building 1552 Accumulation Area, located south of the squadron helicopter hangar (see Figure 5-1). The site has been in operation since approximately 1985. SWMU 56 consists of a stained area of stressed vegetation. The site is a 90-day accumulation area (satellite storage area) for steel drums containing wastes such as solvents, paint thinners, used rags, aerosol cans, and waste oils.

The Building 1552 Accumulation Area was identified as a SWMU in the RFA Report because a stained area with sparse vegetation was observed east of the site (Kearney, 1989). Residual adsorbent material was also observed in the grass along the edge of the concrete pad. The RFA Report suggested that soil samples be collected from the stained area and from the edge of the concrete pad on the eastern side and analyzed for VOCs, SVOCs, and metals.

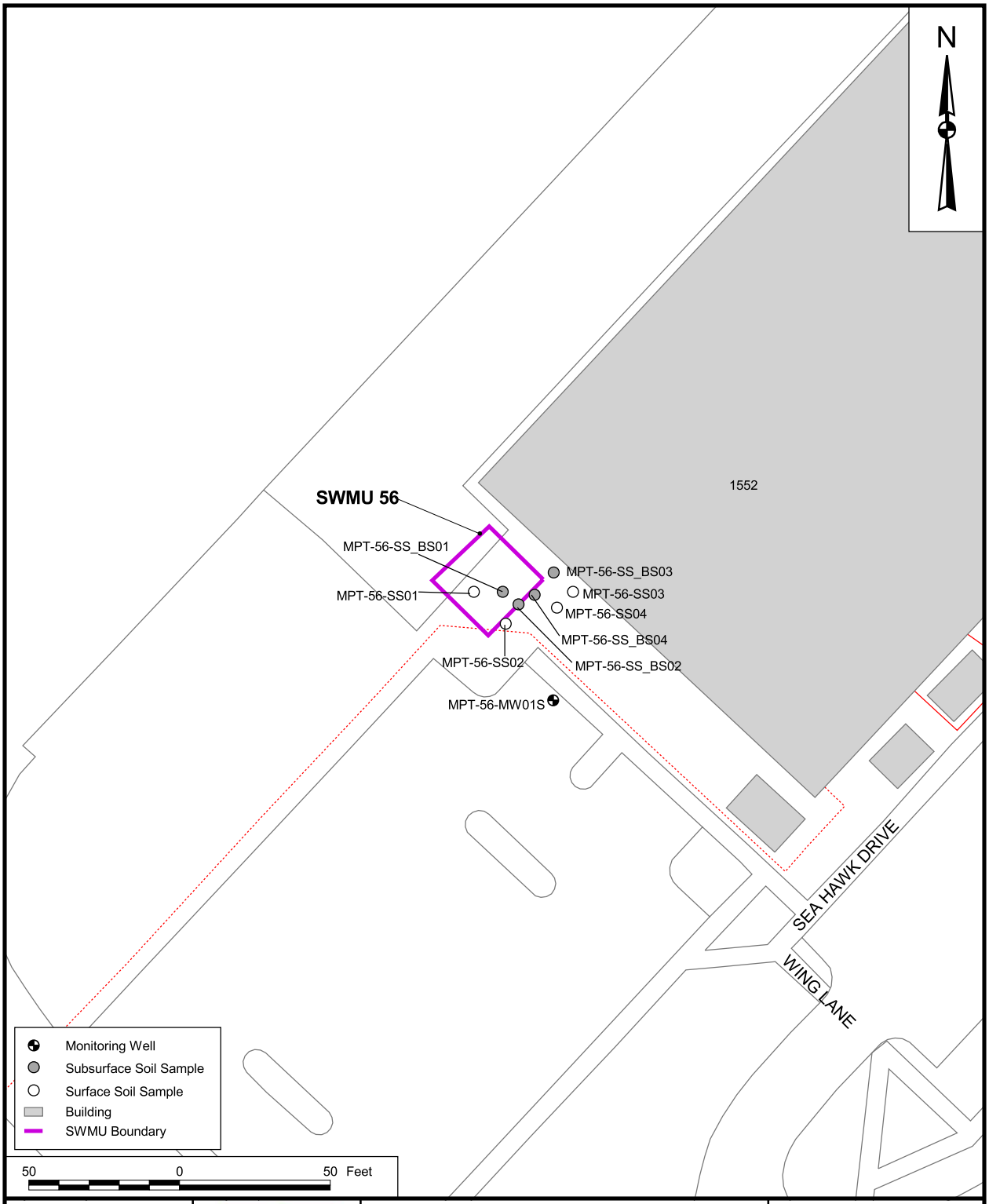
5.1 DESCRIPTION OF CURRENT CONDITIONS

The description of current conditions is based on descriptions and data collected by ABB-ES during a site visit conducted in September 1994. This information was taken from the Group II RFA Sampling Visit Report (ABB-ES, 1995d) and is summarized in the following sections. The Group II RFA Sampling Visit Report and referenced documents should be reviewed for further details and in-depth analyses of the data presented herein. The information and analytical data from the RFA Sampling Visit Report were utilized to form an up-to-date understanding of the current conditions at SWMU 56 from which COCs were identified and for which remedial actions were selected. A formal RFI was not conducted at SWMU 56.

5.1.1 RFA Sampling Visit Field Investigation

Confirmation sampling of soil and groundwater at SWMU 56 was performed during September 1994 by collecting additional surface and subsurface soil samples, installing a single monitoring well, and collecting a groundwater sample. Four surface and four subsurface soil samples were collected on September 10, 1994, at the approximate locations of the previous 1992 surface soil samples (see Figure 5-1). One monitoring well, MPT-56-MW01S, was installed on August 3, 1994, (see Figure 5-1) and sampled on September 10, 1994.

During the 1992 sampling event, surface soil samples were collected from the land surface to a depth of 6 inches bgs. During the 1994 sampling event, surface soil samples were collected from the land surface to 1 foot bgs and subsurface soil samples were collected from 3 to 4 feet bgs except MPT-56-BS04, which was collected from a sampling interval of 4 to 5 feet bgs.



DRAWN BY S. STROZ — DATE 9/19/06	NAVFAC	SAMPLE LOCATION MAP SWMU 56 CORRECTIVE MEASURES STUDY NAVAL STATION MAYPORT MAYPORT, FLORIDA	CONTRACT NUMBER CTO 0033
CHECKED BY S. BALLARD — DATE 9/25/06			APPROVED BY — DATE —
COST/SCHEDULE-AREA			APPROVED BY — DATE —
SCALE AS NOTED			DRAWING NO. FIGURE 5-1 — REV 0

P:\GIS\MAYPORT_NS\APR\2868.APR UPDATED SWMU 56 LAYOUT 9/25/06 SS

Soil and groundwater samples were analyzed for the same target analytes: VOCs, SVOCs, pesticides, PCBs, metals, and cyanide.

5.1.2 RFA Sampling Visit Evaluation

The target analytes detected in the surface and subsurface soil and groundwater samples were compared to BSVs computed from station-wide samples (ABB-ES, 1995c), benchmark values from USEPA Region III RBCs (USEPA, 1995) and the state of Florida cleanup goals (residential and industrial) (FDEP, 1995). (Note: Since the completion of the RFA Report, new standards [Chapter 62-777, F.A.C., CTLs] have been promulgated and NAVSTA Mayport background concentrations have been revised. The standards stated in this section are the standards available at the time of the RFA Report.)

Surface and Subsurface Soil

VOCs, SVOCs, metals, and cyanide were detected in various combinations and concentrations in surface soil samples collected during the 1992 sampling event. Pesticides and PCBs were not detected in the surface soil samples. The VOCs detected included acetonitrile, carbon disulfide, trichlorofluoromethane, chloroform, 2-butanone, 4-methyl-2-pentanone, and toluene. The SVOCs detected include di-n-butylphthalate, butylbenzylphthalate, and bis(2-ethylhexyl)phthalate. Phthalate compounds are common plasticizers that may be introduced by contacting the sample or container with gloves worn by either field or laboratory personnel, tubing, or other plastic items. Twelve metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, silver, vanadium, and zinc) and cyanide were detected in the surface soil samples collected in 1992.

VOCs and metals were detected in various combinations and concentrations in surface and subsurface soil samples collected during the 1994 sampling event. SVOCs and PCBs were not detected in the surface and subsurface soil samples. The VOCs detected in samples collected during the 1992 sampling event were not detected during the 1994 sampling event. Only one VOC, acetone, was detected during the 1994 sampling event. Acetone is a common field and laboratory contaminant that can be introduced through inadequate drying of equipment following decontamination of sampling equipment or as a result of its widespread use as a solvent at an analytical laboratory. One pesticide, 4,4'-DDE, was detected in the surface and subsurface soil samples.

None of the SVOCs detected in samples collected during the 1992 sampling event were detected in samples collected in the 1994 sampling event.

The same suite of metals with the addition of selenium and thallium were detected in the surface soil samples collected in 1994. Metals detected in the subsurface soil samples were a subset of those detected in the surface soil samples (arsenic, barium, lead, vanadium, and zinc).

Groundwater

SVOCs, pesticides, PCBs, and cyanide were not detected in the groundwater sample. One VOC, acetone, was detected in the groundwater sample. Seven inorganic analytes, barium, calcium, iron, magnesium, manganese, sodium, and vanadium, were detected in the groundwater sample.

5.1.3 RFA Sampling Visit Recommendations

The RFA Sampling Visit Report concluded that, based on the evaluation and comparison of the surface soil, subsurface soil, and groundwater sample analytical results to residential risk benchmarks, SWMU 56 was recommended for no further investigation.

5.1.4 CMS Data Set

The results of environmental samples collected during the RFA investigation were used to select COCs in this CMS. The data collected for surface soil in 1994 were located at the same locations as the surface soil samples collected in 1992; therefore, only the 1994 surface soil data is used in this CMS. Tables listing the complete analytical results of all sampling events per medium are included in Appendix A.

5.2 CHEMICALS OF CONCERN

The detected concentrations of analytes for each environmental medium were compared to the State of Florida CTLs (Chapter 62-777, F.A.C.) for surface soil, subsurface soil, and groundwater, as appropriate. Section 1.4.3.3 provides a detailed description of the process for the identification of COCs. The revised list of detected concentrations for SWMU 56 is provided in Appendix B.

5.2.1 Selection of Surface Soil COCs

The COC screening evaluation for surface soil involves an evaluation of COIs for direct exposure and leaching to groundwater. The direct exposure COPC screening process for surface soil, Appendix B, identified no contaminants that exceeded the residential direct exposure SCTLs.

The leaching to groundwater evaluation involves a direct comparison to the leaching to groundwater CTLs. The leachability evaluation determined that no contaminants have the potential to leach from the soil and impact groundwater. Therefore, no contaminants were selected as leachability COCs for surface soil.

5.2.2 Selection of Subsurface Soil COPCs – Human Health

The COC screening evaluation for subsurface soil involves an evaluation of COIs for direct exposure and leaching to groundwater. The direct exposure COC screening process for subsurface soil did not identify any contaminants that exceeded the SCTLs for residential direct exposure. No contaminants were identified as residential direct exposure COCs for subsurface soil.

The leachability evaluation involves a direct comparison to the groundwater leachability CTLs. Appendix B shows that no contaminants were at concentrations exceeding the FDEP SCTL for leachability. No contaminants were selected as leachability COCs for subsurface soil.

5.2.3 Selection of Groundwater COCs

The COC screening process for groundwater involves comparing the detected concentration directly to the GCTLs to determine COCs. Because SWMU 56 is located more than 300 feet away from the nearest surface water body, the discharge of groundwater into surface water was not evaluated as a pathway of concern. The COC screening process identified two contaminants, iron and manganese, which exceeded the GCTLs. The concentrations of iron and manganese did not exceed the NAVSTA Mayport background concentrations, as shown in Appendix B. No contaminants were selected as COCs for groundwater at SWMU 56.

5.3 CONTAMINANTS OF CONCERN

The COI concentrations for each environmental medium were compared to the state FDEP CTLs (Chapter 62-777, F.A.C.) for surface soil, subsurface soil, and groundwater, as appropriate. Section 1.5.3.3 provides a detailed description of the process for the identification of COCs.

5.3.1 Selection of Surface Soil COCs – Human Health

There were no surface soil COCs; therefore, a surface soil COC evaluation is not required for SWMU 56.

5.3.2 Selection of Subsurface Soil COCs – Human Health

There were no subsurface soil COCs; therefore, a subsurface soil COC evaluation is not required for SWMU 56.

5.3.3 Selection of Groundwater COCs – Human Health

There were no groundwater COCs; therefore, a groundwater COC evaluation is not required for SWMU 56.

COC Summary

No COCs for surface soil, subsurface soil, or groundwater were identified for SWMU 56.

5.4 VOLUMES OF CONTAMINATED MEDIA

No COCs were identified for surface soil, subsurface soil, or groundwater at SWMU 56; therefore, contamination maps were not prepared.

5.5 IDENTIFICATION AND SCREENING OF CORRECTIVE MEASURES TECHNOLOGIES

Corrective measure technologies are identified and screened to address the CAOs identified for SWMU 56 (see Section 1.5.1). The development of soil or groundwater technologies is not required because there are no soil or groundwater COCs at SWMU 56.

5.6 RECOMMENDATION FOR A FINAL CORRECTIVE MEASURE

No Action is recommended for addressing the soil and groundwater at SWMU 56.

REFERENCES

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APPENDIX A

CMS DATA SET

SWMU 19

order	001	002	003	004	005	006	007	008	009
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19	19	19	19	19
location	19-SS_BS1	19-SS_BS1	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6	19-SS_BS1	19-SS_BS1
nsample	19BS001	19BS001-D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001-D
sample	19BS001	19BS001D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001D
matrix	SB	SB	SB	SB	SB	SB	SB	SS	SS
sacode	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
Volatile Organics (ug/kg)									
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,1,1-TRICHLOROETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,1,2-TRICHLOROETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,1-DICHLOROETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,1-DICHLOROETHENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,2,3-TRICHLOROPROPANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 UJ	10 UJ
1,2-DIBROMOETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,2-DICHLOROBENZENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,2-DICHLOROETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,2-DICHLOROPROPANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,3-DICHLOROBENZENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,4-DICHLOROBENZENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
1,4-DIOXANE	220 R	220 R	210 R	240 R	250 R	220 R	220 R	210 R	210 R
2-BUTANONE	11 U	11 UJ	11 UJ	12 UJ	13 UJ	11 UJ	11 UJ	10 UJ	10 UJ
2-CHLOROETHYL VINYL ETHER	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
2-HEXANONE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
3-CHLOROPROPENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 UJ	5 UJ
4-CHLORO-3-METHYLPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
4-METHYL-2-PENTANONE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
ACETONE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
ACETONITRILE	110 U	110 U	110 U	120 U	130 U	110 U	110 U	100 U	100 U
ACROLEIN	110 UJ	110 UJ	110 UJ	120 UJ	130 UJ	110 UJ	110 UJ	100 U	100 U
ACRYLONITRILE	110 U	110 U	110 U	120 U	130 U	110 U	110 U	100 U	100 U
BENZENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
BROMODICHLOROMETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
BROMOFORM	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
BROMOMETHANE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
CARBON DISULFIDE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
CARBON TETRACHLORIDE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
CHLOROBENZENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
CHLORODIBROMOMETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
CHLOROETHANE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
CHLOROFORM	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
CHLOROMETHANE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
CHLOROPRENE	220 U	220 U	210 U	240 U	250 U	220 U	220 U	210 U	210 U
CIS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
DIBROMOMETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
DICHLORODIFLUOROMETHANE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 UJ	10 UJ
ETHYL METHACRYLATE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
ETHYLBENZENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
ISOBUTANOL	220 R	220 R	210 R	240 R	250 R	220 R	220 R	210 R	210 R
METHACRYLONITRILE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
METHYL IODIDE	11 U	11 UJ	11 UJ	12 UJ	13 UJ	11 UJ	11 UJ	10 U	10 U
METHYL METHACRYLATE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
METHYLENE CHLORIDE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U

order	001	002	003	004	005	006	007	008	009
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19	19	19	19	19
location	19-SS_BS1	19-SS_BS1	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6	19-SS_BS1	19-SS_BS1
nsample	19BS001	19BS001-D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001-D
sample	19BS001	19BS001D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001D
matrix	SB	SB	SB	SB	SB	SB	SB	SS	SS
sacode	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
PENTACHLOROETHANE	11 U	11 UJ	11 UJ	12 UJ	13 UJ	11 UJ	11 UJ	10 UJ	10 UJ
PROPIONITRILE	110 U	110 U	110 U	120 U	130 U	110 U	110 U	100 UJ	100 UJ
STYRENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
TETRACHLOROETHENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
TOLUENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
TOTAL 1,2-DICHLOROETHENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
TOTAL XYLENES	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
TRANS-1,4-DICHLORO-2-BUTENE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
TRICHLOROETHENE	6 U	6 U	5 U	6 U	2 J	6 U	6 U	5 U	5 U
TRICHLOROFLUOROMETHANE	6 U	6 U	5 U	6 U	6 U	6 U	6 U	5 U	5 U
VINYL ACETATE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
VINYL CHLORIDE	11 U	11 U	11 U	12 U	13 U	11 U	11 U	10 U	10 U
Semivolatile Organics (ug/kg)									
1,2,4,5-TETRACHLOROBENZENE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
1,2,4-TRICHLOROBENZENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
1,2-DIPHENYLHYDRAZINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
1,3,5-TRINITROBENZENE	730 UJ	740 UJ	690 UJ	800 U	840 UJ	740 UJ	740 UJ	680 UJ	680 UJ
1,3-DINITROBENZENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
1,4-NAPHTHOQUINONE	73000 U	74000 U	69000 U	80000 UJ	84000 UJ	74000 UJ	74000 UJ	68000 U	68000 U
1,4-PHENYLENEDIAMINE	36000 U	36000 U	34000 U	39000 U	41000 U	36000 U	36000 U	33000 UJ	33000 UJ
1-NAPHTHYLAMINE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
2,2'-OXYBIS(1-CHLOROPROPANE)	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2,3,4,6-TETRACHLOROPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2,4,5-TRICHLOROPHENOL	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
2,4,6-TRICHLOROPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2,4-DICHLOROPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2,4-DIMETHYLPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2,4-DINITROPHENOL	3600 UJ	3600 UJ	3400 UJ	3900 UJ	4100 UJ	3600 UJ	3600 UJ	3300 UJ	3300 UJ
2,4-DINITROTOLUENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2,6-DICHLOROPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2,6-DINITROTOLUENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2-ACETYLAMINOFLUORENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2-CHLORONAPHTHALENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2-CHLOROPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2-METHYLNAPHTHALENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2-METHYLPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2-NAPHTHYLAMINE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
2-NITROANILINE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
2-NITROPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
2-PICOLINE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
3&4-METHYLPHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
3,3'-DICHLOROBENZIDINE	1500 U	1500 U	1400 U	1600 U	1700 U	1500 U	1500 U	1400 U	1400 U
3,3'-DIMETHYLBENZIDINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
3-METHYLCHOLANTHRENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
3-NITROANILINE	3600 U	3600 U	3400 U	3900 UJ	4100 UJ	3600 UJ	3600 UJ	3300 UJ	3300 UJ
4,6-DINITRO-2-METHYLPHENOL	3600 UJ	3600 UJ	3400 UJ	3900 UJ	4100 UJ	3600 UJ	3600 UJ	3300 UJ	3300 UJ
4-AMINOBIPHENYL	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U

order	001	002	003	004	005	006	007	008	009
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19	19	19	19	19
location	19-SS_BS1	19-SS_BS1	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6	19-SS_BS1	19-SS_BS1
nsample	19BS001	19BS001-D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001-D
sample	19BS001	19BS001D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001D
matrix	SB	SB	SB	SB	SB	SB	SB	SS	SS
sacode	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
4-BROMOPHENYL PHENYL ETHER	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
4-CHLOROANILINE	730 U	740 U	690 U	800 UJ	840 UJ	740 UJ	740 UJ	680 UJ	680 UJ
4-CHLOROPHENYL PHENYL ETHER	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
4-NITROANILINE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
4-NITROPHENOL	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
4-NITROQUINOLINE-1-OXIDE	36000 UJ	36000 UJ	34000 UJ	39000 UJ	41000 UJ	36000 UJ	36000 UJ	33000 UJ	33000 UJ
5-NITRO-O-TOLUIDINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
A,A-DIMETHYLPHENETHYLAMINE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
ACENAPHTHENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
ACENAPHTHYLENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
ACETOPHENONE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
ANILINE	730 UJ	740 UJ	690 UJ	800 UJ	840 UJ	740 UJ	740 UJ	680 UJ	680 UJ
ANTHRACENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
ARAMITE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
BENZIDINE	3600 UJ	3600 UJ	3400 UJ	3900 UJ	4100 UJ	3600 UJ	3600 UJ	3300 UJ	3300 UJ
BENZO(A)ANTHRACENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
BENZO(A)PYRENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
BENZO(B)FLUORANTHENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
BENZO(G,H,I)PERYLENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
BENZO(K)FLUORANTHENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
BENZOIC ACID	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
BENZYL ALCOHOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
BIS(2-CHLOROETHOXY)METHANE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
BIS(2-CHLOROETHYL)ETHER	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
BIS(2-ETHYLHEXYL)PHTHALATE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	72 J
BUTYL BENZYL PHTHALATE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
CHLOROBENZILATE	22 U	22 U	21 U	24 U	34 J	23 U	23 U	21 U	21 U
CHRYSENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
DI-N-BUTYL PHTHALATE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
DI-N-OCTYL PHTHALATE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
DIALLATE	44 U	45 U	42 U	48 U	51 U	45 U	45 U	41 U	41 U
DIBENZO(A,H)ANTHRACENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
DIBENZOFURAN	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
DIETHYL PHTHALATE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
DIMETHYL PHTHALATE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
ETHYL METHANE SULFONATE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
FLUORANTHENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
FLUORENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
HEXACHLOROBENZENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
HEXACHLOROBUTADIENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
HEXACHLOROCYCLOPENTADIENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
HEXACHLOROETHANE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
HEXACHLOROPHENE	36000 UJ	36000 UJ	34000 UJ	39000 UJ	41000 UJ	36000 UJ	36000 UJ	33000 R	33000 R
HEXACHLOROPROPENE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
INDENO(1,2,3-CD)PYRENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
ISODRIN	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
ISOPHORONE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U

from so19_sum.dbf
from so19_res.dbf
from so19_res.xls
from q:\sql_server\mayport\upload

order	001	002	003	004	005	006	007	008	009
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19	19	19	19	19
location	19-SS_BS1	19-SS_BS1	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6	19-SS_BS1	19-SS_BS1
nsample	19BS001	19BS001-D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001-D
sample	19BS001	19BS001D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001D
matrix	SB	SB	SB	SB	SB	SB	SB	SS	SS
sacode	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
ISOSAFROLE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
METHAPYRILENE	3600 UJ	3600 UJ	3400 UJ	3900 UJ	4100 UJ	3600 UJ	3600 UJ	3300 U	3300 U
METHYL METHANE SULFONATE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
N-NITROSO-DI-N-BUTYLAMINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
N-NITROSO-DI-N-PROPYLAMINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
N-NITROSODIETHYLAMINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
N-NITROSODIMETHYLAMINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
N-NITROSODIPHENYLAMINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
N-NITROSOMETHYLETHYLAMINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
N-NITROSOMORPHOLINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
N-NITROSOPIPERIDINE	730 U	740 U	690 U	800 UJ	840 UJ	740 UJ	740 UJ	680 UJ	680 UJ
N-NITROSOPYRROLIDINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
NAPHTHALENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
NITROBENZENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
O-TOLUIDINE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
P-(DIMETHYLAMINO)AZOBENZENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
PENTACHLOROBENZENE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
PENTACHLORONITROBENZENE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
PENTACHLOROPHENOL	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
PHENACETIN	730 U	740 U	690 U	800 UJ	840 UJ	740 UJ	740 UJ	680 U	680 U
PHENANTHRENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
PHENOL	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
PRONAMIDE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
PYRENE	730 U	740 U	690 U	800 U	840 U	740 U	740 U	680 U	680 U
PYRIDINE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
SAFROLE	3600 U	3600 U	3400 U	3900 U	4100 U	3600 U	3600 U	3300 U	3300 U
Pesticides/PCBs (ug/kg)									
4,4'-DDD	2.5	7.6 J	1.4 U	1.6 U	1.6 U	1.5 U	1.5 U	1.3 U	1.3 U
4,4'-DDE	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
4,4'-DDT	1.4 U	1.5 U	1.4 U	1.6 U	1.6 U	1.5 U	1.5 U	1.3 U	1.3 U
ALDRIN	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
ALPHA-BHC	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
AROCLOR-1016	37 U	37 U	35 U	40 U	42 U	37 U	37 U	34 U	34 U
AROCLOR-1221	74 U	75 U	70 U	81 U	85 U	76 U	75 U	69 U	69 U
AROCLOR-1232	74 U	75 U	70 U	81 U	85 U	76 U	75 U	69 U	69 U
AROCLOR-1242	37 U	37 U	35 U	40 U	42 U	37 U	37 U	34 U	34 U
AROCLOR-1248	37 U	37 U	35 U	40 U	42 U	37 U	37 U	34 U	34 U
AROCLOR-1254	18 U	18 U	17 U	19 U	20 U	18 U	18 U	17 U	17 U
AROCLOR-1260	18 U	18 U	17 U	19 U	20 U	18 U	18 U	17 U	17 U
BETA-BHC	1.4 U	1.5 U	1.4 U	1.6 U	1.6 U	1.5 U	1.5 U	1.3 U	1.3 U
CHLORDANE	7.4 U	7.5 U	7 U	8.1 U	8.5 U	7.6 U	7.5 U	6.9 U	6.9 U
DELTA-BHC	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
DIELDRIN	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
ENDOSULFAN I	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
ENDOSULFAN II	1.4 U	1.5 U	1.4 U	1.6 U	1.6 U	1.5 U	1.5 U	1.3 U	1.3 U
ENDOSULFAN SULFATE	1.4 U	1.5 U	1.4 U	1.6 U	1.6 U	1.5 U	1.5 U	1.3 U	1.3 U
ENDRIN	1.4 U	1.5 U	1.4 U	1.6 U	1.6 U	1.5 U	1.5 U	1.3 U	1.3 U
ENDRIN ALDEHYDE	1.4 U	1.5 U	1.4 U	1.6 U	1.6 U	1.5 U	1.5 U	1.3 U	1.3 U

from so19_pem.dbf
from so19_res.dbf
from so19_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19	19	19	19	19
location	19-SS_BS1	19-SS_BS1	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6	19-SS_BS1	19-SS_BS1
nsample	19BS001	19BS001-D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001-D
sample	19BS001	19BS001D	19BS002	19BS003	19BS004	19BS005	19BS006	19SS001	19SS001D
matrix	SB	SB	SB	SB	SB	SB	SB	SS	SS
sacode	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
ENDRIN KETONE	1.4 U	16	1.4 U	1.6 U	1.6 U	1.5 U	1.5 U	1.3 U	1.3 U
GAMMA-BHC (LINDANE)	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
HEPTACHLOR	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
HEPTACHLOR EPOXIDE	0.74 U	0.75 U	0.7 U	0.81 U	0.85 U	0.76 U	0.75 U	0.69 U	0.69 U
KEPONE	44 U	45 U	42 U	48 U	51 U	45 U	45 U	41 U	41 U
METHOXYCHLOR	3 U	3 U	2.8 U	3.3 U	3.4 U	3 U	3 U	2.8 U	2.8 U
TOXAPHENE	37 U	37 U	35 U	40 U	42 U	37 U	37 U	34 U	34 U
Inorganics (mg/kg)									
ANTIMONY	1.1 U	1.1 U	1 U	1.2 U	1.3 U	1.1 U	1.1 U	1 U	1 U
ARSENIC	0.64 J	0.72 J	1.6 J	1 J	1.3 J	0.72 J	0.65 J	0.58 J	0.5 J
BARIUM	2 J	1.6 J	2.6 J	2 J	2.1 J	2.5 J	5.3 J	23.7 J	7.8 J
BERYLLIUM	0.07 J	0.07 J	0.06 U	0.07 U	0.08 U	0.07 J	0.12 J	0.4 J	0.09 J
CADMIUM	0.22 U	0.22 U	0.21 U	0.24 U	0.25 U	0.23 U	0.22 U	0.38 J	1 J
CHROMIUM	2.3	2 J	2.3	1.8 J	2.5	2.9	5.7	15.8 J	5 J
COBALT	0.69 U	0.69 U	0.65 U	0.75 U	0.78 U	0.7 U	0.7 U	1.5 U	0.64 U
COPPER	1 J	0.83 J	1.3 J	1.1 J	0.9 J	0.8 J	0.77 J	9.7 J	5.3 J
LEAD	1.1	0.92	3.5	0.75	0.84	1	3.1	11.4 J	4.2 J
MERCURY	0.03 U	0.03 U	0.03 U	0.03 U	0.04 U	0.03 U	0.03 U	0.03 U	0.03 U
NICKEL	1.3 U	1.3 U	1.2 U	1.4 U	1.5 U	1.3 U	1.3 U	4 J	1.2 U
SELENIUM	0.13 U	0.13 U	0.13 J	0.14 U	0.15 U	0.14 U	0.13 U	0.14 J	0.12 U
SILVER	0.47 U	0.47 U	0.44 U	0.51 U	0.53 U	0.47 U	0.47 U	0.43 U	0.43 U
THALLIUM	0.14 U	0.14 U	0.14 U	0.14 U	0.15 U	0.14 U	0.14 U	0.14 U	0.14 U
TIN	5.1 U	4.2 U	4.3 U	5.3 U	6.7 U	5.8 U	4.2 U	4.2 U	4.2 U
VANADIUM	1.7 J	1.2 J	3.1 J	1.8 J	2.1 J	1.9 J	2.7 J	7.8 J	3 J
ZINC	5.5 U	3.2 U	8.4	6.4 U	7.9	5.9 U	5.4 U	32.6 J	10.8 J
Miscellaneous Parameters (mg/kg)									
CYANIDE	0.21 J	0.15 U	0.14 U	0.16 U	0.17 U	0.15 U	0.15 U	0.14 U	0.14 U

from so19_sam.dbf
from so19_res.dbf
from so19_res.xls
from q:\sql_server\mayport\upload

order	010	011	012	013	014
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19
location	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6
nsample	19SS002	19SS003	19SS004	19SS005	19SS006
sample	19SS002	19SS003	19SS004	19SS005	19SS006
matrix	SS	SS	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**
Volatile Organics (ug/kg)					
1,1,1,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U
1,2,3-TRICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	10 UJ	10 U	11 U	10 U	10 U
1,2-DIBROMOETHANE	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U
1,4-DIOXANE	210 R	210 R	210 R	210 R	210 R
2-BUTANONE	10 UJ	10 UJ	11 UJ	10 UJ	10 UJ
2-CHLOROETHYL VINYL ETHER	10 U	10 U	11 U	10 U	10 U
2-HEXANONE	10 U	10 U	11 U	10 U	10 U
3-CHLOROPROPENE	5 UJ	5 U	5 U	5 U	5 U
4-CHLORO-3-METHYLPHENOL	690 U	690 U	690 U	690 U	680 U
4-METHYL-2-PENTANONE	10 U	10 U	11 U	10 U	10 U
ACETONE	10 U	10 U	11 U	10 U	10 U
ACETONITRILE	100 U	100 U	110 U	100 U	100 U
ACROLEIN	100 U	100 UJ	110 UJ	100 UJ	100 UJ
ACRYLONITRILE	100 U	100 U	110 U	100 U	100 U
BENZENE	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	10 U	10 U	11 U	10 U	10 U
CARBON DISULFIDE	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	5 U	5 U	5 U	5 U	5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U
CHLORODIBROMOMETHANE	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	10 U	10 U	11 U	10 U	10 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	10 U	10 U	11 U	10 U	10 U
CHLOROPRENE	210 U	210 U	210 U	210 U	210 U
CIS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	5 U
DIBROMOMETHANE	5 U	5 U	5 U	5 U	5 U
DICHLORODIFLUOROMETHANE	10 UJ	10 U	11 U	10 U	10 U
ETHYL METHACRYLATE	5 U	5 U	5 U	5 U	5 U
ETHYLBENZENE	5 U	5 U	5 U	5 U	5 U
ISOBUTANOL	210 R	210 R	210 R	210 R	210 R
METHACRYLONITRILE	5 U	5 U	5 U	5 U	5 U
METHYL IODIDE	10 U	10 UJ	11 UJ	10 UJ	10 UJ
METHYL METHACRYLATE	10 U	10 U	11 U	10 U	10 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U	5 U

from so19_sam.dbf
from so19_res.dbf
from so19_res.xls
from q:\sql_server\mayport\upload

order	010	011	012	013	014
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19
location	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6
nsample	19SS002	19SS003	19SS004	19SS005	19SS006
sample	19SS002	19SS003	19SS004	19SS005	19SS006
matrix	SS	SS	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**
PENTACHLOROETHANE	10 UJ	10 UJ	11 UJ	10 UJ	10 UJ
PROPIONITRILE	100 UJ	100 U	110 U	100 U	100 U
STYRENE	5 U	5 U	5 U	5 U	5 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U
TOLUENE	5 U	5 U	5 U	5 U	5 U
TOTAL 1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U
TOTAL XYLENES	5 U	5 U	5 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	5 U
TRANS-1,4-DICHLORO-2-BUTENE	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 U	5 U	5 U	5 U	5 U
TRICHLOROFLUOROMETHANE	5 U	5 U	5 U	5 U	5 U
VINYL ACETATE	10 U	10 U	11 U	10 U	10 U
VINYL CHLORIDE	10 U	10 U	11 U	10 U	10 U
Semivolatile Organics (ug/kg)					
1,2,4,5-TETRACHLOROBENZENE	3300 U	3300 U	3300 U	3300 U	3300 U
1,2,4-TRICHLOROBENZENE	690 U	690 U	690 U	690 U	680 U
1,2-DIPHENYLHYDRAZINE	690 U	690 U	690 U	690 U	680 U
1,3,5-TRINITROBENZENE	690 UJ	690 UJ	690 UJ	690 UJ	680 UJ
1,3-DINITROBENZENE	690 U	690 U	690 U	690 U	680 U
1,4-NAPHTHOQUINONE	69000 U	69000 U	69000 U	69000 U	68000 U
1,4-PHENYLENEDIAMINE	33000 U	33000 UJ	33000 UJ	33000 U	33000 U
1-NAPHTHYLAMINE	3300 U	3300 U	3300 U	3300 U	3300 U
2,2'-OXYBIS(1-CHLOROPROPANE)	690 U	690 U	690 U	690 U	680 U
2,3,4,6-TETRACHLOROPHENOL	690 U	690 U	690 U	690 U	680 U
2,4,5-TRICHLOROPHENOL	3300 U	3300 U	3300 U	3300 U	3300 U
2,4,6-TRICHLOROPHENOL	690 U	690 U	690 U	690 U	680 U
2,4-DICHLOROPHENOL	690 U	690 U	690 U	690 U	680 U
2,4-DIMETHYLPHENOL	690 U	690 U	690 U	690 U	680 U
2,4-DINITROPHENOL	3300 UJ	3300 UJ	3300 UJ	3300 UJ	3300 UJ
2,4-DINITROTOLUENE	690 U	690 U	690 U	690 U	680 U
2,6-DICHLOROPHENOL	690 U	690 U	690 U	690 U	680 U
2,6-DINITROTOLUENE	690 U	690 U	690 U	690 U	680 U
2-ACETYLAMINOFLUORENE	690 U	690 U	690 U	690 U	680 U
2-CHLORONAPHTHALENE	690 U	690 U	690 U	690 U	680 U
2-CHLOROPHENOL	690 U	690 U	690 U	690 U	680 U
2-METHYLNAPHTHALENE	690 U	690 U	690 U	690 U	680 U
2-METHYLPHENOL	690 U	690 U	690 U	690 U	680 U
2-NAPHTHYLAMINE	3300 U	3300 U	3300 U	3300 U	3300 U
2-NITROANILINE	3300 U	3300 U	3300 U	3300 U	3300 U
2-NITROPHENOL	690 U	690 U	690 U	690 U	680 U
2-PICOLINE	3300 U	3300 U	3300 U	3300 U	3300 U
3&4-METHYLPHENOL	690 U	690 U	690 U	690 U	680 U
3,3'-DICHLOROBENZIDINE	1400 U	1400 U	1400 U	1400 U	1400 U
3,3'-DIMETHYLBENZIDINE	690 U	690 U	690 U	690 U	680 U
3-METHYLCHOLANTHRENE	690 U	690 U	690 U	690 U	680 U
3-NITROANILINE	3300 U	3300 UJ	3300 UJ	3300 U	3300 U
4,6-DINITRO-2-METHYLPHENOL	3300 UJ	3300 UJ	3300 UJ	3300 UJ	3300 UJ
4-AMINOBIPHENYL	3300 U	3300 U	3300 U	3300 U	3300 U

from so19_sam.dbf
from so19_res.dbf
from so19_res.xls
from q:\sql_server\mayport\upload

order	010	011	012	013	014
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19
location	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6
nsample	19SS002	19SS003	19SS004	19SS005	19SS006
sample	19SS002	19SS003	19SS004	19SS005	19SS006
matrix	SS	SS	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**
4-BROMOPHENYL PHENYL ETHER	690 U	690 U	690 U	690 U	680 U
4-CHLOROANILINE	690 U	690 UJ	690 UJ	690 U	680 U
4-CHLOROPHENYL PHENYL ETHER	690 U	690 U	690 U	690 U	680 U
4-NITROANILINE	3300 U	3300 U	3300 U	3300 U	3300 U
4-NITROPHENOL	3300 U	3300 U	3300 U	3300 U	3300 U
4-NITROQUINOLINE-1-OXIDE	33000 UJ	33000 UJ	33000 UJ	33000 UJ	33000 UJ
5-NITRO-O-TOLUIDINE	690 U	690 U	690 U	690 U	680 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	690 U	690 U	690 U	690 U	680 U
A,A-DIMETHYLPHENETHYLAMINE	3300 U	3300 U	3300 U	3300 U	3300 U
ACENAPHTHENE	690 U	690 U	690 U	690 U	680 U
ACENAPHTHYLENE	690 U	690 U	690 U	690 U	680 U
ACETOPHENONE	690 U	690 U	690 U	690 U	680 U
ANILINE	690 UJ	690 UJ	690 UJ	690 UJ	680 UJ
ANTHRACENE	690 U	690 U	690 U	690 U	680 U
ARAMITE	3300 U	3300 U	3300 U	3300 U	3300 U
BENZIDINE	3300 UJ	3300 UJ	3300 UJ	3300 UJ	3300 UJ
BENZO(A)ANTHRACENE	690 U	690 U	690 U	690 U	680 U
BENZO(A)PYRENE	690 U	690 U	690 U	690 U	680 U
BENZO(B)FLUORANTHENE	690 U	79 J	690 U	690 U	680 U
BENZO(G,H,I)PERYLENE	690 U	690 U	690 U	690 U	680 U
BENZO(K)FLUORANTHENE	690 U	690 U	690 U	690 U	680 U
BENZOIC ACID	3300 U	3300 U	3300 U	3300 U	3300 U
BENZYL ALCOHOL	690 U	690 U	690 U	690 U	680 U
BIS(2-CHLOROETHOXY)METHANE	690 U	690 U	690 U	690 U	680 U
BIS(2-CHLOROETHYL)ETHER	690 U	690 U	690 U	690 U	680 U
BIS(2-ETHYLHEXYL)PHTHALATE	690 U	690 U	690 U	690 U	680 U
BUTYL BENZYL PHTHALATE	690 U	690 U	690 U	690 U	680 U
CHLOROBENZILATE	21 U	21 U	21 U	21 U	21 U
CHRYSENE	690 U	690 U	690 U	690 U	680 U
DI-N-BUTYL PHTHALATE	690 U	690 U	690 U	690 U	680 U
DI-N-OCTYL PHTHALATE	690 U	690 U	690 U	690 U	680 U
DIALLATE	42 U	42 U	42 U	41 U	42 U
DIBENZO(A,H)ANTHRACENE	690 U	690 U	690 U	690 U	680 U
DIBENZOFURAN	690 U	690 U	690 U	690 U	680 U
DIETHYL PHTHALATE	690 U	690 U	690 U	690 U	680 U
DIMETHYL PHTHALATE	690 U	690 U	690 U	690 U	680 U
ETHYL METHANE SULFONATE	690 U	690 U	690 U	690 U	680 U
FLUORANTHENE	690 U	690 U	690 U	690 U	680 U
FLUORENE	690 U	690 U	690 U	690 U	680 U
HEXACHLOROBENZENE	690 U	690 U	690 U	690 U	680 U
HEXACHLOROBUTADIENE	690 U	690 U	690 U	690 U	680 U
HEXACHLOROCYCLOPENTADIENE	690 U	690 U	690 U	690 U	680 U
HEXACHLOROETHANE	690 U	690 U	690 U	690 U	680 U
HEXACHLOROPHENE	33000 UJ	33000 R	33000 R	33000 UJ	33000 UJ
HEXACHLOROPROPENE	3300 U	3300 U	3300 U	3300 U	3300 U
INDENO(1,2,3-CD)PYRENE	690 U	690 U	690 U	690 U	680 U
ISODRIN	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U
ISOPHORONE	690 U	690 U	690 U	690 U	680 U

from so19_sam.dbf
from so19_res.dbf
from so19_res.xls
from q:\sql_server\mayport\upload

order	010	011	012	013	014
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19
location	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6
nsample	19SS002	19SS003	19SS004	19SS005	19SS006
sample	19SS002	19SS003	19SS004	19SS005	19SS006
matrix	SS	SS	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**
ISOSAFROLE	3300 U	3300 U	3300 U	3300 U	3300 U
METHAPYRILENE	3300 UJ	3300 U	3300 U	3300 UJ	3300 UJ
METHYL METHANE SULFONATE	690 U	690 U	690 U	690 U	680 U
N-NITROSO-DI-N-BUTYLAMINE	690 U	690 U	690 U	690 U	680 U
N-NITROSO-DI-N-PROPYLAMINE	690 U	690 U	690 U	690 U	680 U
N-NITROSODIETHYLAMINE	690 U	690 U	690 U	690 U	680 U
N-NITROSODIMETHYLAMINE	690 U	690 U	690 U	690 U	680 U
N-NITROSODIPHENYLAMINE	690 U	690 U	690 U	690 U	680 U
N-NITROSOMETHYLETHYLAMINE	690 U	690 U	690 U	690 U	680 U
N-NITROSOMORPHOLINE	690 U	690 U	690 U	690 U	680 U
N-NITROSOPIPERIDINE	690 U	690 UJ	690 UJ	690 U	680 U
N-NITROSOPYRROLIDINE	690 U	690 U	690 U	690 U	680 U
NAPHTHALENE	690 U	690 U	690 U	690 U	680 U
NITROBENZENE	690 U	690 U	690 U	690 U	680 U
O-TOLUIDINE	690 U	690 U	690 U	690 U	680 U
P-(DIMETHYLAMINO)AZOBENZENE	690 U	690 U	690 U	690 U	680 U
PENTACHLOROBENZENE	3300 U	3300 U	3300 U	3300 U	3300 U
PENTACHLORONITROBENZENE	3300 U	3300 U	3300 U	3300 U	3300 U
PENTACHLOROPHENOL	3300 U	3300 U	3300 U	3300 U	3300 U
PHENACETIN	690 U	690 U	690 U	690 U	680 U
PHENANTHRENE	690 U	690 U	690 U	690 U	680 U
PHENOL	690 U	690 U	690 U	690 U	680 U
PRONAMIDE	690 U	690 U	690 U	690 U	680 U
PYRENE	690 U	690 U	690 U	690 U	680 U
PYRIDINE	3300 U	3300 U	3300 U	3300 U	3300 U
SAFROLE	3300 U	3300 U	3300 U	3300 U	3300 U
Pesticides/PCBs (ug/kg)					
4,4'-DDD	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U
4,4'-DDE	0.7 U	0.7 U	0.7 U	3.3 J	1.3 J
4,4'-DDT	1.4 U	1.3 U	1.4 U	2.2 J	3.4 J
ALDRIN	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U
ALPHA-BHC	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U
AROCLOR-1016	34 U	34 U	35 U	35 U	34 U
AROCLOR-1221	70 U	70 U	70 U	70 U	69 U
AROCLOR-1232	70 U	70 U	70 U	70 U	69 U
AROCLOR-1242	34 U	34 U	35 U	35 U	34 U
AROCLOR-1248	34 U	34 U	35 U	35 U	34 U
AROCLOR-1254	17 U	17 U	17 U	17 U	17 U
AROCLOR-1260	17 U	17 U	17 U	17 U	17 U
BETA-BHC	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U
CHLORDANE	6.9 U	7 U	7 U	7 U	6.9 U
DELTA-BHC	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U
DIELDRIN	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U
ENDOSULFAN I	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U
ENDOSULFAN II	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U
ENDOSULFAN SULFATE	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U
ENDRIN	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U
ENDRIN ALDEHYDE	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U

from so19_sam.dbf
from so19_res.dbf
from so19_res.xls
from q:\sql_server\mayport\upload

order	010	011	012	013	014
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19	19
location	19-SS_BS2	19-SS_BS3	19-SS_BS4	19-SS_BS5	19-SS_BS6
nsample	19SS002	19SS003	19SS004	19SS005	19SS006
sample	19SS002	19SS003	19SS004	19SS005	19SS006
matrix	SS	SS	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**
ENDRIN KETONE	1.4 U	1.3 U	1.4 U	1.4 U	1.3 U
GAMMA-BHC (LINDANE)	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U
HEPTACHLOR	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U
HEPTACHLOR EPOXIDE	0.7 U	0.7 U	0.7 U	0.7 U	0.69 U
KEPONE	42 U	42 U	42 U	42 U	41 U
METHOXYCHLOR	2.8 U	2.8 U	2.8 U	2.8 U	2.8 U
TOXAPHENE	34 U	34 U	35 U	35 U	34 U
Inorganics (mg/kg)					
ANTIMONY	1 U	1 U	1 U	1 U	1 U
ARSENIC	0.88 J	0.56 J	0.5 J	1.2 J	0.39 J
BARIUM	4.8 J	2.5 J	2 J	13.2 J	1.8 J
BERYLLIUM	0.08 J	0.07 J	0.06 U	0.26 J	0.06 U
CADMIUM	0.22 J	0.21 U	0.21 U	0.21 U	0.22 J
CHROMIUM	1.6 J	2.5 J	2.3 J	5 J	2.1 J
COBALT	0.65 U	0.64 U	0.65 U	0.94 U	0.64 U
COPPER	2.9 J	2.3 J	1.8 J	2.7 J	1.3 J
LEAD	1.1 J	1.6 J	1.2 J	2.7 J	1.5 J
MERCURY	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
NICKEL	1.2 U	1.2 U	1.2 U	1.9 J	1.2 U
SELENIUM	0.13 U	0.12 U	0.13 U	0.13 U	0.12 U
SILVER	0.44 U	0.44 U	0.44 U	0.44 U	0.43 U
THALLIUM	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U
TIN	4.7 U	4.2 U	4.2 U	4.2 U	4.2 U
VANADIUM	3.8 J	1.5 J	1.4 J	7.3 J	1.2 J
ZINC	3.8 J	4 J	4.9 J	8.7 J	5.1 J
Miscellaneous Parameters (mg/kg)					
CYANIDE	0.14 U	0.14 U	0.14 U	0.14 U	0.14 U

from so19_sam.dbf
from so19_res.dbf
from so19_res.xls
from q:\sql_server\mayport\upload

sd19_resp.xls -
SWMU 19 - Sediment
summary of positive detections

order	**001**	**002**	**003**	**004**
aoc	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING	NADEP BLASTING
swmu	19	19	19	19
location	19-SD01	19-SD01	19-SD02	19-SD03
nsample	19SD001	19SD001-D	19SD002	19SD003
sample	19SD001	19SD001D	19SD002	19SD003
matrix	SD	SD	SD	SD
sacode	ORIG	DUP	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0
status	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	06/30/94	06/30/94	06/30/94	06/30/94
validated	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**
Inorganics (mg/kg)				
ARSENIC	1.4 J	1.1 J	1.4 J	1.5 J
BARIUM	6 J	5.8 J	4.4 J	2.6 J
BERYLLIUM	0.11 J	0.1 J	0.07 U	0.07 U
CHROMIUM	1.3 J	1.2 J	0.61 U	1.8 J
COPPER	0.6 J	0.95 J	0.42 J	0.6 J
LEAD	1	0.76	0.52 J	0.78
VANADIUM	2.8 J	2.3 J	1.8 J	1.6 J
ZINC	9.2 J	5.9 U	5.3 J	6.8 J
Miscellaneous Parameters (mg/kg)				
CYANIDE	0.18 U	0.16 U	0.16 U	0.18 J

from sd19_samp.dbf
from sd19_resp.dbf
from sd19_resp.xls
from q:\sql_server\mayport\upload

order	**001**
aoc	Building 191
swmu	19
round	1998
location	MPT-56-MW01S
nsample	
sample	
matrix	
depth_rang	
sample_dat	08/05/98
validated	N
sort	**c_001**
Inorganics (mg/kg)	
Aluminum	0.05U
Antimony	0.005U
ARSENIC	0.1 U
BARIUM	0.1 U
Beryllium	0.001 U
CADMIUM	0.001
Calcium	74
CHROMIUM	0.1 U
COBALT	0.05 U
COPPER	0.05 U
IRON	0.33
Lead	0.005 U
Magnesium	19
Manganese	0.039
Mercury	0.0002 U
Nickel	0.01 U
Potassium	7.1
Selenium	0.01 U
Silver	0.01 U
Sodium	13
Thallium	0.002 U
VANADIUM	0.01 U
ZINC	0.1 U

SWMU 26

order	**007**	**008**	**009**	**010**	**011**	**021**	**022**	**023**	**024**	**025**
location	MPT-26-BS01	MPT-26-BS01	MPT-26-BS22	MPT-26-BS3	MPT-26-BS4	MPT-26-SS01	MPT-26-SS01	MPT-26-SS01	MPT-26-SS01	MPT-26-SS02
nsample	MPT26BS11	MPT26BS11-D	MPT26BS12	MPT26BS13	MPT26BS14-[92]	MPT-26-SS01	MPT-26-SS01-D	MPT26SS01	MPT26SS01-D	MPT26SS02
sample	MPT26BS11	MPT26BS11-D	MPT26BS12	MPT26BS13	MPT26BS14	MPT-26-SS01	MPT-26-SS01-D	MPT26SS01	MPT26SS01-D	MPT26SS02
matrix	SB	SB	SB	SB	SB	SS	SS	SS	SS	SS
sample_dat	04/21/92	04/21/92	04/21/92	04/21/92	04/21/92	04/21/92	04/21/92	04/21/92	04/21/92	04/21/92
depth_rang	4 - 4.5	4 - 4.5	4 - 4.5	4 - 4.5	4 - 4.5	0 - 0.5	0 - 0.5	0 - 1.5	0 - 1.5	0 - 0.5
sort	**c_007**	**c_008**	**c_009**	**c_010**	**c_011**	**c_021**	**c_022**	**c_023**	**c_024**	**c_025**
Volatile Organics (ug/kg)										
2-BUTANONE	9 J	15	7 J	ND U	11 J	ND U	6 J			ND U
ACETONITRILE	ND U	ND U	ND U	22 J	24 J	ND U	ND U			ND U
CHLOROFORM	ND U	5 J	ND U	ND U	ND U	ND U	ND U			ND U
TOLUENE	ND U	ND U	ND U	ND U	ND U	ND U	ND U			ND U
TOTAL XYLENES	ND U	ND U	ND U	2 J	2 J	3 J	2 J			ND U
Semivolatile Organics (ug/kg)										
BIS(2-ETHYLHEXYL)PHTHALATE	ND U	42 J	ND U	ND U	ND U	ND U	ND U			38 J
DI-N-BUTYL PHTHALATE	ND U	51 J	43 J	54 J	63 J	ND U	50 J			54 J
Inorganics (mg/kg)										
ANTIMONY										
ARSENIC	0.74 J	0.57 J	0.67 J	1.1 J	2 J			0.68 J	0.57 J	0.76 J
BARIUM	4.7 J	4.1 J	2.2 J	2.9 J	9 J			4.5 J	6.3 J	3.4 J
BERYLLIUM	0.11 J	ND U	0.07 J	0.11 J	0.23 J			0.11 J	0.11 J	0.11 J
CALCIUM										
CHROMIUM	2.5 J	1.8 J	2.6	2.8	7.4			3.9	4.1	2.7
COBALT	ND U	ND U	ND U	ND U	1.4 J			ND U	ND U	ND U
COPPER	4.5 J	1.3 J	1.3 J	3.9 J	3.4 J			8.8	5 J	7.4
CYANIDE	0.25 J	0.21 J	ND U	2.1	3			1.3	1.7	ND U
IRON										
LEAD	ND U	ND U	ND U	ND U	3.5 J			ND U	ND U	ND U
MAGNESIUM										
MANGANESE										
NICKEL	2.3 J	ND U	ND U	3.3 J	3.7 J			6.8 J	4.8 J	2.4 J
SELENIUM										
SODIUM										
THALLIUM										
VANADIUM	1.7 J	1 J	2.5 J	2.6 J	6.3 J			3 J	3.7 J	5.4 J
ZINC	15.4 J	3.8 J	9.6 J	10.2 J	12.5 J			29.7 J	14.3 J	19.4 J

from _26sam.dbf
from _26res.dbf
from _26sores.xls
from q:\sql_server\mayport\upload

order	**026**	**027**
location	MPT-26-SS3	MPT-26-SS4
nsample	MPT26SS03	MPT26SS04-[92]
sample	MPT26SS03	MPT26SS04
matrix	SS	SS
sample_dat	04/21/92	04/21/92
depth_rang	0 - 1.5	0 - 1.5
sort	**c_026**	**c_027**
Volatile Organics (ug/kg)		
2-BUTANONE	6 J	ND U
ACETONITRILE	ND U	24 J
CHLOROFORM	ND U	ND U
TOLUENE	ND U	1 J
TOTAL XYLENES	1 J	5 J
Semivolatile Organics (ug/kg)		
BIS(2-ETHYLHEXYL)PHTHALATE	94 J	38 J
DI-N-BUTYL PHTHALATE	69 J	64 J
Inorganics (mg/kg)		
ANTIMONY		
ARSENIC	0.86 J	1.6 J
BARIUM	2.7 J	8.2 J
BERYLLIUM	0.13 J	0.33 J
CALCIUM		
CHROMIUM	3.4	8.2
COBALT	ND U	1.4 J
COPPER	4.60 J	7
CYANIDE	ND U	1.6
IRON		
LEAD	ND U	4.6 J
MAGNESIUM		
MANGANESE		
NICKEL	3.1 J	4.4 J
SELENIUM		
SODIUM		
THALLIUM		
VANADIUM	2.4 J	8.6 J
ZINC	15.3 J	17.5 J

from _26sam.dbf
from _26res.dbf
from _26sores.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C
swmu	26	26	26	26	26	26	26	26	26
round	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3
location	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW02S	MPT-26-MW02S	MPT-26-MW03S	MPT-26-MW04S	MPT-26-MW04S
nsample	26MW001S	26MW001S-D	26MW001SA	26MW001SA-D	26MW002S	26MW002SA	26MW003S	26MW004S	26MW004SA
sample	26MW001S	26MW001SD	26MW001S	26MW001SD	26MW002S	26MW002S	26MW003S	26MW004S	26MW004S
matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW
sacode	ORIG	DUP	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	07/12/94	07/12/94	09/28/94	09/28/94	07/12/94	09/28/94	07/13/94	07/10/94	09/26/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
Volatile Organics (ug/L)									
1,1,1,2-TETRACHLOROETHANE	5 U	5 U			5 U		5 U	5 U	
1,1,1-TRICHLOROETHANE	5 U	5 U			5 U		5 U	5 U	
1,1,2,2-TETRACHLOROETHANE	5 U	5 U			5 U		5 U	5 U	
1,1,2-TRICHLOROETHANE	5 U	5 U			5 U		5 U	5 U	
1,1-DICHLOROETHANE	5 U	5 U			5 U		5 U	5 UJ	
1,1-DICHLOROETHENE	5 U	5 U			5 U		5 U	5 U	
1,2,3-TRICHLOROPROPANE	5 U	5 U			5 U		5 U	5 U	
1,2-DIBROMO-3-CHLOROPROPANE	10 U	10 U			10 UJ		10 UJ	10 U	
1,2-DIBROMOETHANE	5 U	5 U			5 U		5 U	5 U	
1,2-DICHLOROBENZENE	5 UJ	5 U			5 UJ		5 U	5 U	
1,2-DICHLOROETHANE	5 U	5 U			5 U		5 U	5 UJ	
1,2-DICHLOROPROPANE	5 U	5 U			5 U		5 U	5 U	
1,3-DICHLOROBENZENE	5 UJ	5 U			5 UJ		5 U	5 U	
1,4-DICHLOROBENZENE	5 UJ	5 U			5 UJ		5 U	5 U	
1,4-DIOXANE	200 R	200 R			200 R		200 R	200 R	
2-BUTANONE	10 U	10 U			10 U		10 U	10 U	
2-CHLOROETHYL VINYL ETHER	10 U	10 U			10 UJ		10 UJ	10 UJ	
2-HEXANONE	10 U	10 U			10 U		10 U	10 UJ	
3-CHLOROPROPENE	5 U	5 U			5 U		5 U	5 UJ	
4-CHLORO-3-METHYLPHENOL	10 U	10 U			10 U		10 U	10 U	
4-METHYL-2-PENTANONE	10 U	10 U			10 U		10 U	10 UJ	
ACETONE	10 UJ	10 UJ			10 UJ		10 UJ	10 UJ	
ACETONITRILE	100 UJ	100 UJ			100 UJ		100 UJ	100 UJ	
ACROLEIN	100 R	100 R			100 U		100 R	100 U	
ACRYLONITRILE	100 U	100 U			100 U		100 U	100 U	
BENZENE	5 U	5 U			5 U		5 U	5 U	
BROMODICHLOROMETHANE	5 U	5 U			5 U		5 U	5 U	
BROMOFORM	5 U	5 U			5 U		5 U	5 U	
BROMOMETHANE	10 U	10 U			10 U		10 U	10 U	
CARBON DISULFIDE	5 UJ	5 UJ			5 UJ		5 UJ	5 UJ	
CARBON TETRACHLORIDE	5 U	5 U			5 U		5 U	5 U	
CHLOROBENZENE	5 U	5 U			5 U		5 U	5 U	
CHLORODIBROMOMETHANE	5 U	5 U			5 U		5 U	5 U	
CHLOROETHANE	10 U	10 U			10 U		10 U	10 U	
CHLOROFORM	5 U	5 U			5 U		5 U	5 U	
CHLOROMETHANE	10 U	10 U			10 U		10 U	10 U	
CHLOROPRENE	200 U	200 U			200 U		200 U	200 UJ	
CIS-1,3-DICHLOROPROPENE	5 U	5 U			5 U		5 U	5 U	
DIBROMOMETHANE	5 U	5 U			5 U		5 U	5 U	
DICHLORODIFLUOROMETHANE	10 U	10 U			10 U		10 U	10 U	
ETHYL METHACRYLATE	5 U	5 U			5 U		5 U	5 U	
ETHYLBENZENE	5 U	5 U			5 U		5 U	5 U	
ISOBUTANOL	200 R	200 R			200 R		200 R	200 R	
METHACRYLONITRILE	5 U	5 U			5 U		5 U	5 U	

from gw26_sam.dbf
from gw26_res.dbf
from gw26_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C
swmu	26	26	26	26	26	26	26	26	26
round	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3
location	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW02S	MPT-26-MW02S	MPT-26-MW03S	MPT-26-MW04S	MPT-26-MW04S
nsample	26MW001S	26MW001S-D	26MW001SA	26MW001SA-D	26MW002S	26MW002SA	26MW003S	26MW004S	26MW004SA
sample	26MW001S	26MW001SD	26MW001S	26MW001SD	26MW002S	26MW002S	26MW003S	26MW004S	26MW004S
matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW
sacode	ORIG	DUP	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	07/12/94	07/12/94	09/28/94	09/28/94	07/12/94	09/28/94	07/13/94	07/10/94	09/26/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
METHYL IODIDE	10 UJ	10 UJ			10 UJ		10 UJ	10 UJ	
METHYL METHACRYLATE	10 U	10 U			10 U		10 U	10 U	
METHYLENE CHLORIDE	5 U	5 U			5 U		5 U	5 U	
PENTACHLOROETHANE	10 UJ	10 UJ			10 UJ		10 UJ	10 UJ	
PROPIONITRILE	100 U	100 U			100 U		100 U	100 U	
STYRENE	5 U	5 U			5 U		5 U	5 U	
TETRACHLOROETHENE	5 U	5 U			5 U		5 U	5 U	
TOLUENE	5 U	5 U			5 U		5 U	5 U	
TOTAL 1,2-DICHLOROETHENE	5 U	5 U			5 U		5 U	5 U	
TOTAL XYLENES	5 U	5 U			5 U		5 U	5 U	
TRANS-1,3-DICHLOROPROPENE	5 U	5 U			5 U		5 U	5 U	
TRANS-1,4-DICHLORO-2-BUTENE	5 U	5 U			5 U		5 U	5 U	
TRICHLOROETHENE	5 U	5 U			5 U		5 U	5 U	
TRICHLOROFLUOROMETHANE	5 UJ	5 UJ			5 U		5 U	5 UJ	
VINYL ACETATE	10 UJ	10 UJ			10 UJ		10 UJ	10 UJ	
VINYL CHLORIDE	10 U	10 U			10 U		10 U	10 U	
Semivolatile Organics (ug/L)									
1,2,4,5-TETRACHLOROBENZENE	50 UJ	50 U			50 UJ		50 U	50 U	
1,2,4-TRICHLOROBENZENE	10 UJ	10 U			10 UJ		10 U	10 U	
1,2-DIPHENYLHYDRAZINE	10 UJ	10 U			10 UJ		10 U	10 U	
1,3,5-TRINITROBENZENE	10 UJ	10 U			10 UJ		10 U	10 U	
1,3-DINITROBENZENE	10 UJ	10 U			10 UJ		10 U	10 U	
1,4-NAPHTHOQUINONE	1000 UJ	1000 U			1000 UJ		1000 U	1000 UJ	
1,4-PHENYLENEDIAMINE	500 UJ	500 U			500 UJ		500 U	500 U	
1-NAPHTHYLAMINE	50 UJ	50 U			50 UJ		50 U	50 U	
2,2'-OXYBIS(1-CHLOROPROPANE)	10 UJ	10 U			10 UJ		10 U	10 U	
2,3,4,6-TETRACHLOROPHENOL	10 U	10 U			10 U		10 U	10 U	
2,4,5-TRICHLOROPHENOL	50 U	50 U			50 U		50 U	50 U	
2,4,6-TRICHLOROPHENOL	10 U	10 U			10 U		10 U	10 U	
2,4-DICHLOROPHENOL	10 U	10 U			10 U		10 U	10 U	
2,4-DIMETHYLPHENOL	10 U	10 U			10 U		10 U	10 U	
2,4-DINITROPHENOL	50 U	50 U			50 U		50 U	50 U	
2,4-DINITROTOLUENE	10 UJ	10 U			10 UJ		10 U	10 U	
2,6-DICHLOROPHENOL	10 U	10 U			10 U		10 U	10 U	
2,6-DINITROTOLUENE	10 UJ	10 U			10 UJ		10 U	10 U	
2-ACETYLAMINOFLUORENE	10 UJ	10 U			10 UJ		10 U	10 U	
2-CHLORONAPHTHALENE	10 UJ	10 U			10 UJ		10 U	10 U	
2-CHLOROPHENOL	10 U	10 U			10 U		10 U	10 U	
2-METHYLNAPHTHALENE	10 UJ	10 U			10 UJ		10 U	10 U	
2-METHYLPHENOL	10 U	10 U			10 U		10 U	10 U	
2-NAPHTHYLAMINE	50 UJ	50 U			50 UJ		50 U	50 U	
2-NITROANILINE	50 UJ	50 U			50 UJ		50 U	50 U	
2-NITROPHENOL	10 U	10 U			10 U		10 U	10 U	
2-PICOLINE	50 UJ	50 U			50 UJ		50 U	50 U	
3&4-METHYLPHENOL	10 U	10 U			10 U		10 U	10 U	

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C
swmu	26	26	26	26	26	26	26	26	26
round	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3
location	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW02S	MPT-26-MW02S	MPT-26-MW03S	MPT-26-MW04S	MPT-26-MW04S
nsample	26MW001S	26MW001S-D	26MW001SA	26MW001SA-D	26MW002S	26MW002SA	26MW003S	26MW004S	26MW004SA
sample	26MW001S	26MW001SD	26MW001S	26MW001SD	26MW002S	26MW002S	26MW003S	26MW004S	26MW004S
matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW
sacode	ORIG	DUP	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	07/12/94	07/12/94	09/28/94	09/28/94	07/12/94	09/28/94	07/13/94	07/10/94	09/26/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
3,3'-DICHLOROBENZIDINE	20 UJ	20 U			20 UJ		20 U	20 U	
3,3'-DIMETHYLBENZIDINE	10 UJ	10 U			10 UJ		10 U	10 U	
3-METHYLCHOLANTHRENE	10 UJ	10 U			10 UJ		10 U	10 UJ	
3-NITROANILINE	50 UJ	50 U			50 UJ		50 U	50 U	
4,6-DINITRO-2-METHYLPHENOL	50 U	50 U			50 U		50 U	50 U	
4-AMINOBIPHENYL	50 UJ	50 U			50 UJ		50 U	50 UJ	
4-BROMOPHENYL PHENYL ETHER	10 UJ	10 U			10 UJ		10 U	10 U	
4-CHLOROANILINE	10 UJ	10 U			10 UJ		10 U	10 UJ	
4-CHLOROPHENYL PHENYL ETHER	10 UJ	10 U			10 UJ		10 U	10 U	
4-NITROANILINE	50 UJ	50 U			50 UJ		50 U	50 U	
4-NITROPHENOL	50 U	50 U			50 U		50 U	50 U	
4-NITROQUINOLINE-1-OXIDE	500 UJ	500 U			500 UJ		500 UJ	500 UJ	
5-NITRO-O-TOLUIDINE	10 UJ	10 U			10 UJ		10 U	10 U	
7,12-DIMETHYLBENZ(A)ANTHRACENE	10 UJ	10 U			10 UJ		10 U	10 U	
A,A-DIMETHYLPHENETHYLAMINE	50 UJ	50 U			50 UJ		50 U	50 U	
ACENAPHTHENE	10 UJ	10 U			10 UJ		10 U	10 U	
ACENAPHTHYLENE	10 UJ	10 U			10 UJ		10 U	10 U	
ACETOPHENONE	10 UJ	10 U			10 UJ		10 U	10 U	
ANILINE	10 UJ	10 U			10 UJ		10 U	10 UJ	
ANTHRACENE	10 UJ	10 U			10 UJ		10 U	10 U	
ARAMITE	50 UJ	50 U			50 UJ		50 U	50 U	
BENZIDINE	50 UJ	50 U			50 UJ		50 U	50 U	
BENZO(A)ANTHRACENE	10 UJ	10 U			10 UJ		10 U	10 U	
BENZO(A)PYRENE	10 UJ	10 U			10 UJ		10 U	10 U	
BENZO(B)FLUORANTHENE	10 UJ	10 U			10 UJ		10 U	10 U	
BENZO(G,H,I)PERYLENE	10 UJ	10 U			10 UJ		10 U	10 UJ	
BENZO(K)FLUORANTHENE	10 UJ	10 U			10 UJ		10 U	10 U	
BENZOIC ACID	50 UJ	50 UJ			50 UJ		50 UJ	50 U	
BENZYL ALCOHOL	10 U	10 U			10 U		10 U	10 U	
BIS(2-CHLOROETHOXY)METHANE	10 UJ	10 U			10 UJ		10 U	10 U	
BIS(2-CHLOROETHYL)ETHER	10 UJ	10 U			10 UJ		10 U	10 U	
BIS(2-ETHYLHEXYL)PHTHALATE	10 UJ	10 U			10 UJ		1 J	10 U	
BUTYL BENZYL PHTHALATE	10 UJ	10 U			10 UJ		10 U	10 U	
CHLOROBENZILATE	0.5 U	0.5 U			0.5 U		0.5 U	0.5 U	
CHRYSENE	10 UJ	10 U			10 UJ		10 U	10 U	
DI-N-BUTYL PHTHALATE	10 UJ	10 U			10 UJ		2 J	10 U	
DI-N-OCTYL PHTHALATE	10 UJ	10 U			10 UJ		10 U	10 U	
DIALLATE	1 U	1 U			1 U		1 U	1 U	
DIBENZO(A,H)ANTHRACENE	10 UJ	10 U			10 UJ		10 U	10 UJ	
DIBENZOFURAN	10 UJ	10 U			10 UJ		10 U	10 U	
DIETHYL PHTHALATE	10 UJ	10 U			10 UJ		10 U	10 U	
DIMETHYL PHTHALATE	10 UJ	10 U			10 UJ		10 U	10 U	
ETHYL METHANE SULFONATE	10 UJ	10 U			10 UJ		10 U	10 U	
FLUORANTHENE	10 UJ	10 U			10 UJ		10 U	10 U	
FLUORENE	10 UJ	10 U			10 UJ		10 U	10 U	

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C
swmu	26	26	26	26	26	26	26	26	26
round	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3
location	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW02S	MPT-26-MW02S	MPT-26-MW03S	MPT-26-MW04S	MPT-26-MW04S
nsample	26MW001S	26MW001S-D	26MW001SA	26MW001SA-D	26MW002S	26MW002SA	26MW003S	26MW004S	26MW004SA
sample	26MW001S	26MW001SD	26MW001S	26MW001SD	26MW002S	26MW002S	26MW003S	26MW004S	26MW004S
matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW
sacode	ORIG	DUP	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	07/12/94	07/12/94	09/28/94	09/28/94	07/12/94	09/28/94	07/13/94	07/10/94	09/26/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
HEXACHLOROBENZENE	10 UJ	10 U			10 UJ		10 U	10 U	
HEXACHLOROBUTADIENE	10 UJ	10 U			10 UJ		10 U	10 U	
HEXACHLOROCYCLOPENTADIENE	10 UJ	10 U			10 UJ		10 U	10 U	
HEXACHLOROETHANE	10 UJ	10 U			10 UJ		10 U	10 U	
HEXACHLOROPHENE	500 UJ	500 U			500 UJ		500 R	500 R	
HEXACHLOROPROPENE	50 UJ	50 U			50 UJ		50 U	50 U	
INDENO(1,2,3-CD)PYRENE	10 UJ	10 U			10 UJ		10 U	10 UJ	
ISODRIN	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
ISOPHORONE	10 UJ	10 U			10 UJ		10 U	10 U	
ISOSAFROLE	50 UJ	50 U			50 UJ		50 U	50 U	
METHAPYRILENE	50 UJ	50 U			50 UJ		50 U	50 UJ	
METHYL METHANE SULFONATE	10 UJ	10 U			10 UJ		10 U	10 U	
N-NITROSO-DI-N-BUTYLAMINE	10 UJ	10 U			10 UJ		10 U	10 U	
N-NITROSO-DI-N-PROPYLAMINE	10 UJ	10 U			10 UJ		10 U	10 U	
N-NITROSODIETHYLAMINE	10 UJ	10 U			10 UJ		10 U	10 U	
N-NITROSODIMETHYLAMINE	10 UJ	10 U			10 UJ		10 U	10 U	
N-NITROSODIPHENYLAMINE	10 UJ	10 U			10 UJ		10 U	10 U	
N-NITROSOMETHYLETHYLAMINE	10 UJ	10 U			10 UJ		10 U	10 U	
N-NITROSOMORPHOLINE	10 UJ	10 U			10 UJ		10 U	10 U	
N-NITROSOPIPERIDINE	10 UJ	10 U			10 UJ		10 U	10 U	
N-NITROSOPYRROLIDINE	10 UJ	10 U			10 UJ		10 U	10 U	
NAPHTHALENE	10 UJ	10 U			10 UJ		10 U	10 U	
NITROBENZENE	10 UJ	10 U			10 UJ		10 U	10 U	
O-TOLUIDINE	10 UJ	10 U			10 UJ		10 U	10 U	
P-(DIMETHYLAMINO)AZOBENZENE	10 UJ	10 U			10 UJ		10 U	10 U	
PENTACHLOROBENZENE	50 UJ	50 U			50 UJ		50 U	50 U	
PENTACHLORONITROBENZENE	50 UJ	50 U			50 UJ		50 U	50 U	
PENTACHLOROPHENOL	50 U	50 U			50 U		50 U	50 U	
PHENACETIN	10 UJ	10 U			10 UJ		10 U	10 U	
PHENANTHRENE	10 UJ	10 U			10 UJ		10 U	10 U	
PHENOL	10 U	10 U			10 U		10 U	10 U	
PRONAMIDE	10 UJ	10 U			10 UJ		10 U	10 U	
PYRENE	10 UJ	10 U			10 UJ		10 U	10 U	
PYRIDINE	50 UJ	50 U			50 UJ		50 U	50 U	
SAFROLE	50 UJ	50 U			50 UJ		50 U	50 U	
Pesticides/PCBs (ug/L)									
4,4'-DDD	0.04 U	0.04 U			0.04 U		0.04 U	0.04 U	
4,4'-DDE	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
4,4'-DDT	0.04 U	0.04 U			0.04 U		0.04 U	0.04 U	
ALDRIN	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
ALPHA-BHC	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
AROCLOR-1016	1 U	1 U			1 U		1 U	1 U	
AROCLOR-1221	2 U	2 U			2 U		2 U	2 U	
AROCLOR-1232	2 U	2 U			2 U		2 U	2 U	
AROCLOR-1242	1 U	1 U			1 U		1 U	1 U	

from gw26_sam.dbf
from gw26_res.dbf
from gw26_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C
swmu	26	26	26	26	26	26	26	26	26
round	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3
location	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW02S	MPT-26-MW02S	MPT-26-MW03S	MPT-26-MW04S	MPT-26-MW04S
nsample	26MW001S	26MW001S-D	26MW001SA	26MW001SA-D	26MW002S	26MW002SA	26MW003S	26MW004S	26MW004SA
sample	26MW001S	26MW001SD	26MW001S	26MW001SD	26MW002S	26MW002S	26MW003S	26MW004S	26MW004S
matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW
sacode	ORIG	DUP	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	07/12/94	07/12/94	09/28/94	09/28/94	07/12/94	09/28/94	07/13/94	07/10/94	09/26/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
AROCLOR-1248	1 U	1 U			1 U		1 U	1 U	
AROCLOR-1254	0.5 U	0.5 U			0.5 U		0.5 U	0.5 U	
AROCLOR-1260	0.5 U	0.5 U			0.5 U		0.5 U	0.5 U	
BETA-BHC	0.04 U	0.04 U			0.04 U		0.04 U	0.04 U	
CHLORDANE	0.2 U	0.2 U			0.2 U		0.2 U	0.2 U	
DELTA-BHC	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
DIELDRIN	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
ENDOSULFAN I	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
ENDOSULFAN II	0.04 U	0.04 U			0.04 U		0.04 U	0.04 U	
ENDOSULFAN SULFATE	0.04 U	0.04 U			0.04 U		0.04 U	0.04 U	
ENDRIN	0.04 U	0.04 U			0.04 U		0.04 U	0.04 U	
ENDRIN ALDEHYDE	0.04 U	0.04 U			0.04 U		0.04 U	0.04 U	
ENDRIN KETONE	0.04 U	0.04 U			0.04 U		0.04 U	0.04 U	
GAMMA-BHC (LINDANE)	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
HEPTACHLOR	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
HEPTACHLOR EPOXIDE	0.02 U	0.02 U			0.02 U		0.02 U	0.02 U	
KEPONE	1 U	1 U			1 U		1 U	1 U	
METHOXYCHLOR	0.08 U	0.08 U			0.08 U		0.08 U	0.08 U	
TOXAPHENE	1 U	1 U			1 U		1 U	1 U	
Inorganics (ug/L)									
ANTIMONY	2.2 U	2.2 U			2.2 U		5.2	22.3 UJ	
ARSENIC	1.1 J	0.9 U			0.9 U		0.9 U	0.9 UJ	
BARIUM	25.7 J	25.8 J			18.3 J		15 J	23.6 J	
BERYLLIUM	0.18 U	0.18 U			0.18 U		0.18 U	0.18 U	
CADMIUM	3 U	3 U			3 U		3 U	3 U	
CALCIUM	246000	267000			183000		113000 J	224000	
CHROMIUM	2.34 U	2.34 U			2.34 U		2 U	2.09 U	
COBALT	2.7 U	2.7 U			2.7 U		2.7 U	2.7 U	
COPPER	4.29 U	4.29 U			4.29 U		5.4 U	4 U	
IRON	89.8 J	324 J			1320 J		487	44 J	
LEAD	4.7 U	6.2			2.2 U		2.2 J	2.9 U	
MAGNESIUM	186000	180000			154000		355000	330000	
MANGANESE	163 J	251 J			313 J		310 J	215	
MERCURY	0.08 U	0.08 U			0.08 U		0.08 U	0.08 U	
NICKEL	7.3 U	7.3 U			7.3 U		7.3 U	7.3 U	
SELENIUM	13.2 UJ	2.6 J			13.2 UJ		13.2 UJ	13.2 UJ	
SILVER	2.1 U	2.1 U			2.1 U		2.1 U	2.3 U	
SODIUM	1740000 J	1620000 J			1280000 J		3260000	3240000	
THALLIUM	1.4 J	1.3 UJ			1.3 U		1.3 UJ	1.3 UJ	
TIN	9.4 U	9.4 U			9.4 U		9.4 U	9.4 U	
VANADIUM	1.7 U	1.7 U			1.7 U		1.7 U	1.7 U	
ZINC	7.3 U	7.3 U			7.3 U		5 J	4.2 U	
Miscellaneous Parameters (mg/L)									
ALKALINITY	950						780	866	
AMMONIA	6.2						13.7	6.9	

from gw26_sam.dbf
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from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C	LANDFILL C
swmu	26	26	26	26	26	26	26	26	26
round	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3	1994Q3
location	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW01S	MPT-26-MW02S	MPT-26-MW02S	MPT-26-MW03S	MPT-26-MW04S	MPT-26-MW04S
nsample	26MW001S	26MW001S-D	26MW001SA	26MW001SA-D	26MW002S	26MW002SA	26MW003S	26MW004S	26MW004SA
sample	26MW001S	26MW001SD	26MW001S	26MW001SD	26MW002S	26MW002S	26MW003S	26MW004S	26MW004S
matrix	GW	GW	GW	GW	GW	GW	GW	GW	GW
sacode	ORIG	DUP	ORIG	DUP	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	07/12/94	07/12/94	09/28/94	09/28/94	07/12/94	09/28/94	07/13/94	07/10/94	09/26/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
CHLORIDE	3470						6740	5660	
CYANIDE (ug/L)			2.7 UJ	2.7 UJ		2.7 UJ	0.81 U	0.81 U	2.7 UJ
HARDNESS	1530						2030	1890	
OIL & GREASE	5 U						5.8	5 U	
PHOSPHORUS (ELEMENTAL)	2.24						1.73	0.96	
SULFATE	181						1 U	87.2	
SULFIDE	3.5						1	18.5	
TOTAL DISSOLVED SOLIDS	6310						10300	9810	
TOTAL KJELDAHL NITROGEN	9.7						16.3	9.7	
TOTAL ORGANIC CARBON	20.6						28.2	20	

from gw26_sam.dbf
from gw26_res.dbf
from gw26_res.xls
from q:\sql_server\mayport\upload

SWMU 28

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	OLD PEST HANDLING	OLD PEST HANDLING
ou								BACKG	BACKG
swmu	28	28	28	28	28	28	28	15,28	15,28
location	MPT-28-SS_BS01	MPT-28-SS_BS05	MPT-28-SS_BS10	MPT-28-SS_BS01	MPT-28-SS_BS22	MPT-28-SS_BS31	MPT-28-SS_BS31	MPT-B-SS_BS-01	MPT-B-SS_BS-01
nsample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104-D	15SS03001	15U03001
sample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104D	15SS03001	15U03001
matrix	SB	SB	SB	SB	SB	SB	SB	SO	SO
depth_rang	6 - 6	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	09/13/94	09/13/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
Volatile Organics (ug/kg)									
1,1,1,2-TETRACHLOROETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,1,1-TRICHLOROETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,1,2,2-TETRACHLOROETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,1,2-TRICHLOROETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,1-DICHLOROETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,1-DICHLOROETHENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,2,3-TRICHLOROPROPANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,2-DIBROMO-3-CHLOROPROPANE	110 U	220 U	130 U	120 U	150 U	120 U	110 U		
1,2-DIBROMOETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,2-DICHLOROBENZENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,2-DICHLOROETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,2-DICHLOROPROPANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,3-DICHLOROBENZENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,4-DICHLOROBENZENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
1,4-DIOXANE	210 R	420 R	250 R	240 R	280 R	220 R	220 R		
2-BUTANONE	11 R	21 J	12 R	12 R	14 R	11 R	11 R		
2-CHLOROETHYL VINYL ETHER	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
2-HEXANONE	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
3-CHLOROPROPENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
4-CHLORO-3-METHYLPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
4-METHYL-2-PENTANONE	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
ACETONE	26 U	200 J	88 J	59 J	37 U	17 UJ	17 UJ		
ACETONITRILE	110 U	210 U	120 U	120 U	140 U	110 U	110 U		
ACROLEIN	110 U	210 U	120 U	120 U	140 U	110 U	110 U		
ACRYLONITRILE	110 U	210 U	120 U	120 U	140 U	110 U	110 U		
BENZENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
BROMODICHLOROMETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
BROMOFORM	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
BROMOMETHANE	11 U	21 U	12 UJ	12 UJ	14 U	11 U	11 U		
CARBON DISULFIDE	5 U	24	2 J	6 U	3 J	6 U	5 U		
CARBON TETRACHLORIDE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
CHLOROBENZENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
CHLORODIBROMOMETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
CHLOROETHANE	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
CHLOROFORM	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
CHLOROMETHANE	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
CHLOROPRENE	210 U	420 U	250 U	240 U	280 U	220 U	220 U		
CIS-1,3-DICHLOROPROPENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
DIBROMOMETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
DICHLORODIFLUOROMETHANE	11 UJ	21 UJ	12 UJ	12 UJ	14 UJ	11 UJ	11 UJ		
ETHYL METHACRYLATE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
ETHYLBENZENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
ISOBUTANOL	210 U	420 U	250 U	240 U	280 U	220 U	220 U		
METHACRYLONITRILE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		

from so28_sam.dbf
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from so28_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	OLD PEST HANDLING	OLD PEST HANDLING
ou								BACKG	BACKG
swmu	28	28	28	28	28	28	28	15,28	15,28
location	MPT-28-SS_BS01	MPT-28-SS_BS05	MPT-28-SS_BS10	MPT-28-SS_BS01	MPT-28-SS_BS22	MPT-28-SS_BS31	MPT-28-SS_BS31	MPT-B-SS_BS-01	MPT-B-SS_BS-01
nsample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104-D	15SS03001	15U03001
sample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104D	15SS03001	15U03001
matrix	SB	SB	SB	SB	SB	SB	SB	SO	SO
depth_rang	6 - 6	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	09/13/94	09/13/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
METHYL IODIDE	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
METHYL METHACRYLATE	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
METHYLENE CHLORIDE	7 U	11 U	19 U	18 U	10 U	11 U	12 U		
PENTACHLOROETHANE	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
PROPIONITRILE	110 U	210 U	120 U	120 U	140 U	110 U	110 U		
STYRENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
TETRACHLOROETHENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
TOLUENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
TOTAL 1,2-DICHLOROETHENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
TOTAL XYLENES	5 U	11 U	1 J	2 J	7 U	6 U	5 U		
TRANS-1,3-DICHLOROPROPENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
TRANS-1,4-DICHLORO-2-BUTENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
TRICHLOROETHENE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
TRICHLOROFLUOROMETHANE	5 U	11 U	6 U	6 U	7 U	6 U	5 U		
VINYL ACETATE	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
VINYL CHLORIDE	11 U	21 U	12 U	12 U	14 U	11 U	11 U		
Semivolatile Organics (ug/kg)									
1,2,4,5-TETRACHLOROBENZENE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
1,2,4-TRICHLOROBENZENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
1,2-DIPHENYLHYDRAZINE	350 U	600 U	420 U	390 U	1700 U	360 UJ	370 UJ		
1,3,5-TRINITROBENZENE	350 UJ	600 UJ	420 UJ	390 UJ	1700 UJ	360 U	370 U		
1,3-DINITROBENZENE	350 U	600 UJ	420 U	390 U	1700 UJ	360 UJ	370 U		
1,4-NAPHTHOQUINONE	35000 U	60000 U	42000 U	39000 U	170000 U	35000 U	36000 U		
1,4-PHENYLENEDIAMINE	17000 UJ	29000 UJ	21000 UJ	19000 UJ	81000 UJ	18000 UJ	18000 U		
1-NAPHTHYLAMINE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
2,2'-OXYBIS(1-CHLOROPROPANE)	350 U	600 U	420 U	390 U	1700 U	360 UJ	370 UJ		
2,3,4,6-TETRACHLOROPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2,4,5-TRICHLOROPHENOL	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
2,4,6-TRICHLOROPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2,4-DICHLOROPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2,4-DIMETHYLPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2,4-DINITROPHENOL	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
2,4-DINITROTOLUENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2,6-DICHLOROPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2,6-DINITROTOLUENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2-ACETYLAMINOFLUORENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2-CHLORONAPHTHALENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2-CHLOROPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2-METHYLNAPHTHALENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2-METHYLPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2-NAPHTHYLAMINE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
2-NITROANILINE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 UJ	1800 U		
2-NITROPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
2-PICOLINE	1700 U	2900 UJ	2100 U	1900 U	8100 UJ	1800 U	1800 U		
3&4-METHYLPHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		

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from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	OLD PEST HANDLING	OLD PEST HANDLING
ou								BACKG	BACKG
swmu	28	28	28	28	28	28	28	15,28	15,28
location	MPT-28-SS_BS01	MPT-28-SS_BS05	MPT-28-SS_BS10	MPT-28-SS_BS01	MPT-28-SS_BS22	MPT-28-SS_BS31	MPT-28-SS_BS31	MPT-B-SS_BS-01	MPT-B-SS_BS-01
nsample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104-D	15SS03001	15U03001
sample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104D	15SS03001	15U03001
matrix	SB	SB	SB	SB	SB	SB	SB	SO	SO
depth_rang	6 - 6	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	09/13/94	09/13/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
3,3'-DICHLOROBENZIDINE	690 U	1200 U	850 U	790 U	3300 U	720 U	730 U		
3,3'-DIMETHYLBENZIDINE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
3-METHYLCHOLANTHRENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
3-NITROANILINE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
4,6-DINITRO-2-METHYLPHENOL	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
4-AMINOBIPHENYL	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
4-BROMOPHENYL PHENYL ETHER	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
4-CHLORO-3-METHYLPHENOL									
4-CHLOROANILINE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
4-CHLOROPHENYL PHENYL ETHER	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
4-METHYLPHENOL									
4-NITROANILINE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
4-NITROPHENOL	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
4-NITROQUINOLINE-1-OXIDE	17000 R	29000 R	21000 R	19000 R	81000 R	18000 U	18000 U		
5-NITRO-O-TOLUIDINE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
7,12-DIMETHYLBENZ(A)ANTHRACENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
A,A-DIMETHYLPHENETHYLAMINE	1700 UJ	2900 U	2100 UJ	1900 UJ	8100 U	1800 UJ	1800 UJ		
ACENAPHTHENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
ACENAPHTHYLENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
ACETOPHENONE	350 U	600 UJ	420 U	390 U	1700 UJ	360 U	370 U		
ANILINE	350 U	600 U	420 U	390 U	1700 U	360 UJ	370 UJ		
ANTHRACENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
ARAMITE	1700 UJ	2900 U	2100 UJ	1900 UJ	8100 U	1800 U	1800 U		
BENZIDINE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
BENZO(A)ANTHRACENE	350 U	600 U	420 U	390 U	210 J	360 U	370 U		
BENZO(A)PYRENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
BENZO(B)FLUORANTHENE	350 U	600 U	420 U	390 U	310 J	360 U	370 U		
BENZO(G,H,I)PERYLENE	350 U	600 U	420 U	390 U	200 J	360 U	370 U		
BENZO(K)FLUORANTHENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
BENZOIC ACID	1700 U	2900 U	2100 U	1900 U	8100 U	1800 UJ	1800 UJ		
BENZYL ALCOHOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
BIS(2-CHLOROETHOXY)METHANE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
BIS(2-CHLOROETHYL)ETHER	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
BIS(2-ETHYLHEXYL)PHTHALATE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
BUTYL BENZYL PHTHALATE	350 U	600 U	420 U	390 U	230 J	360 U	370 U		
CHLOROBENZILATE	21 U	36 U	26 U	48 U	63 U	22 U	22 U	22 U	
CHRYSENE	350 U	600 U	420 U	390 U	270 J	360 U	370 U		
DI-N-BUTYL PHTHALATE	350 U	600 U	420 U	50 J	1700 U	360 U	370 U		
DI-N-OCTYL PHTHALATE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
DIALLATE	42 U	73 U	51 U	95 U	130 U	43 U	44 U	43 U	
DIBENZO(A,H)ANTHRACENE	350 U	600 U	420 U	390 U	180 J	360 U	370 U		
DIBENZOFURAN	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
DIETHYL PHTHALATE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
DIMETHOATE								71 U	
DIMETHYL PHTHALATE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		

from so28_sam.dbf
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from so28_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	OLD PEST HANDLING	OLD PEST HANDLING
ou								BACKG	BACKG
swmu	28	28	28	28	28	28	28	15,28	15,28
location	MPT-28-SS_BS01	MPT-28-SS_BS05	MPT-28-SS_BS10	MPT-28-SS_BS01	MPT-28-SS_BS22	MPT-28-SS_BS31	MPT-28-SS_BS31	MPT-B-SS_BS-01	MPT-B-SS_BS-01
nsample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104-D	15SS03001	15U03001
sample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104D	15SS03001	15U03001
matrix	SB	SB	SB	SB	SB	SB	SB	SO	SO
depth_rang	6 - 6	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	09/13/94	09/13/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
DINOSEB								11 U	
DISULFOTON								35 U	
ETHYL METHANE SULFONATE	350 U	600 UJ	420 U	390 U	1700 UJ	360 U	370 U		
FLUORANTHENE	350 U	600 U	420 U	390 U	280 J	360 U	370 U		
FLUORENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
HEXACHLOROBENZENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
HEXACHLOROBUTADIENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
HEXACHLOROCYCLOPENTADIENE	350 UJ	600 U	420 UJ	390 UJ	1700 U	360 U	370 U		
HEXACHLOROETHANE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
HEXACHLOROPHENE	17000 R	29000 R	21000 R	19000 R	81000 R	18000 U	18000 R		
HEXACHLOROPROPENE	1700 UJ	2900 U	2100 UJ	1900 UJ	8100 U	1800 U	1800 U		
INDENO(1,2,3-CD)PYRENE	350 U	600 U	420 U	390 U	290 J	360 U	370 U		
ISODRIN	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	1.4 U	
ISOPHORONE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
ISOSAFROLE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
METHAPYRILENE	1700 U	2900 UJ	2100 U	1900 U	8100 UJ	1800 U	1800 UJ		
METHYL METHANE SULFONATE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
N-NITROSO-DI-N-BUTYLAMINE	350 U	600 UJ	420 U	390 U	1700 UJ	360 U	370 U		
N-NITROSO-DI-N-PROPYLAMINE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
N-NITROSODIETHYLAMINE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
N-NITROSODIMETHYLAMINE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
N-NITROSODIPHENYLAMINE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
N-NITROSOMETHYLETHYLAMINE	350 U	600 UJ	420 U	390 U	1700 UJ	360 U	370 U		
N-NITROSOMORPHOLINE	350 U	600 UJ	420 U	390 U	1700 UJ	360 U	370 U		
N-NITROSOPIPERIDINE	350 U	600 UJ	420 U	390 U	1700 UJ	360 U	370 U		
N-NITROSOPYRROLIDINE	350 U	600 UJ	420 U	390 U	1700 UJ	360 U	370 U		
NAPHTHALENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
NITROBENZENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
O,O,O-TRIETHYL PHOSPHOROTHIOATE								35 U	
O-TOLUIDINE	350 U	600 UJ	420 U	390 U	1700 UJ	360 U	370 U		
P-(DIMETHYLAMINO)AZOBENZENE	350 U	600 UJ	420 U	390 U	1700 UJ	360 U	370 U		
PENTACHLOROBENZENE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
PENTACHLORONITROBENZENE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
PENTACHLOROPHENOL	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
PHENACETIN	350 UJ	600 UJ	420 UJ	390 UJ	1700 UJ	360 U	370 U		
PHENANTHRENE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
PHENOL	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
PHORATE								35 U	
PRONAMIDE	350 U	600 U	420 U	390 U	1700 U	360 U	370 U		
PYRENE	350 U	600 U	420 U	390 U	280 J	360 U	370 U		
PYRIDINE	1700 U	2900 UJ	2100 U	1900 U	8100 UJ	1800 U	1800 U		
SAFROLE	1700 U	2900 U	2100 U	1900 U	8100 U	1800 U	1800 U		
THIONAZIN								35 U	
Pesticides/PCBs (ug/kg)									
4,4'-DDD	1.4 U	2.4 U	1.7 U	3.1 U	4.1 U	1.4 U	1.4 U	1.4 U	

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from so28_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	OLD PEST HANDLING	OLD PEST HANDLING
ou								BACKG	BACKG
swmu	28	28	28	28	28	28	28	15,28	15,28
location	MPT-28-SS_BS01	MPT-28-SS_BS05	MPT-28-SS_BS10	MPT-28-SS_BS01	MPT-28-SS_BS22	MPT-28-SS_BS31	MPT-28-SS_BS31	MPT-B-SS_BS-01	MPT-B-SS_BS-01
nsample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104-D	15SS03001	15U03001
sample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104D	15SS03001	15U03001
matrix	SB	SB	SB	SB	SB	SB	SB	SO	SO
depth_rang	6 - 6	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	09/13/94	09/13/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
4,4'-DDE	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	3.8	
4,4'-DDT	1.4 U	2.4 U	1.7 U	3.1 U	4.1 U	1.4 U	1.4 U	2.2	
ALDRIN	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	0.72 U	
ALPHA-BHC	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	0.72 U	
AROCLOR-1016	35 U	60 U	42 U	79 U	100 U	35 U	36 U		
AROCLOR-1221	71 U	120 U	86 U	160 U	210 U	72 U	74 U		
AROCLOR-1232	71 U	120 U	86 U	160 U	210 U	72 U	74 U		
AROCLOR-1242	35 U	60 U	42 U	79 U	100 U	35 U	36 U		
AROCLOR-1248	35 U	60 U	42 U	79 U	100 U	35 U	36 U		
AROCLOR-1254	18 U	31 U	22 U	40 U	54 U	18 U	19 U		
AROCLOR-1260	18 U	31 U	22 U	40 U	54 U	18 U	19 U		
BETA-BHC	1.4 U	2.4 U	1.7 U	3.1 U	4.1 U	1.4 U	1.4 U	1.4 U	
CHLORDANE	7.1 U	12 U	8.6 U	16 U	21 U	7.2 U	7.4 U	7.2 U	
CHLOROBENZILATE									
DELTA-BHC	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	0.72 U	
DIALLATE									
DIELDRIN	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	0.72 U	
ENDOSULFAN I	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	0.72 U	
ENDOSULFAN II	1.4 U	2.4 U	1.7 U	3.1 U	4.1 U	1.4 U	1.4 U	1.4 U	
ENDOSULFAN SULFATE	1.4 U	2.4 U	1.7 U	3.1 U	4.1 U	1.4 U	1.4 U	1.4 U	
ENDRIN	1.4 U	2.4 U	1.7 U	3.1 U	4.1 U	1.4 U	1.4 U	1.4 U	
ENDRIN ALDEHYDE	1.4 U	2.4 U	1.7 U	3.1 U	4.1 U	1.4 U	1.4 U	1.4 U	
ENDRIN KETONE	1.4 U	2.4 U	1.7 U	3.1 U	4.1 U	1.4 U	1.4 U	1.4 U	
GAMMA-BHC (LINDANE)	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	0.72 U	
HEPTACHLOR	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	0.72 U	
HEPTACHLOR EPOXIDE	0.71 U	1.2 U	0.86 U	1.6 U	2.1 U	0.72 U	0.74 U	0.72 U	
ISODRIN									
KEPONE	42 U	73 U	51 U	95 U	130 U	43 UJ	44 UJ	43 UJ	
METHOXYCHLOR	2.9 U	4.9 U	3.5 U	6.4 U	8.5 U	2.9 U	3 U	2.9 U	
SULFOTEPP								35 UJ	
TOXAPHENE	35 U	60 U	42 U	79 U	100 U	35 U	36 U	36 U	
Herbicides (ug/kg)									
2,4,5-T								11 U	
2,4,5-TP (SILVEX)								11 U	
2,4-D								54 U	
ETHYL PARATHION								35 U	
FAMPHUR								35 U	
METHYL PARATHION								35 U	
Inorganics (mg/kg)									
ANTIMONY	0.47 UJ	0.84 UJ	0.57 UJ	0.67 J	0.6 UJ	0.48 UJ	0.47 UJ		1.1 U
ARSENIC	0.56 J	8.3 J	1.6 J	0.83 J	4 J	0.34 J	0.43 J		0.58 J
BARIUM	2.1 J	26.9 J	3.9 J	5.9 J	8.4 J	8.9 J	5.2 J		6.9 J
BERYLLIUM	0.04 U	1.3 J	0.15 J	0.11 J	0.28 J	0.06 U	0.05 U		0.18 J
CADMIUM	0.64 U	1.1 U	0.77 U	0.73 U	0.82 U	0.66 U	1.1		0.47 J
CHROMIUM	1 J	38.7	4	2.3 J	8.1	1.8 J	1.7 J		2.6

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from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**	**008**	**009**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	OLD PEST HANDLING	OLD PEST HANDLING
ou								BACKG	BACKG
swmu	28	28	28	28	28	28	28	15,28	15,28
location	MPT-28-SS_BS01	MPT-28-SS_BS05	MPT-28-SS_BS10	MPT-28-SS_BS01	MPT-28-SS_BS22	MPT-28-SS_BS31	MPT-28-SS_BS31	MPT-B-SS_BS-01	MPT-B-SS_BS-01
nsample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104-D	15SS03001	15U03001
sample	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104D	15SS03001	15U03001
matrix	SB	SB	SB	SB	SB	SB	SB	SO	SO
depth_rang	6 - 6	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	4 - 4	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	09/13/94	09/13/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**	**c_008**	**c_009**
COBALT	0.57 U	7.4 J	0.87 J	0.64 U	1.3 J	0.58 U	0.57 U		0.66 U
COPPER	0.85 U	7.1 J	1.3 J	0.96 U	2 J	2.2 U	0.93 U		3.9 J
LEAD	1.2 U	11.3	1.7	1 U	6.4	2 J	1.3 J		5.8 J
MERCURY	0.07 U	1	0.1 U	0.08 U	0.32	0.09 U	0.08 U		0.06 R
NICKEL	1.5 U	10.6 J	1.9 U	1.8 U	2.2 J	1.6 U	1.5 U		1.8 J
SELENIUM	0.28 UJ	0.5 UJ	0.36 J	0.39 J	0.36 UJ	0.43 U	0.43 U		0.13 U
SILVER	0.52 U	0.78 U	0.53 U	0.52 U	0.56 U	0.45 U	0.44 U		0.45 U
THALLIUM	0.28 U	0.49 U	0.33 U	0.31 U	0.35 U	0.28 U	0.27 U		0.13 U
TIN	3.8 J	4.3 J	3.7 J	2.9 J	3.8 J	4.4 J	4.6 J		2.3 J
VANADIUM	0.85 J	38	3.3 J	2 J	8.5 J	1.5 J	1.4 J		4 J
ZINC	1.7 J	46	3.6 J	2 J	21.4	4.7 U	5 U		11.2 J
Miscellaneous Parameters (mg/kg)									
CYANIDE	0.03 U	0.06 U	0.04 U	0.04 U	0.04 U	0.03 U	0.06 J		
TOTAL ORGANIC CARBON									

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order	**010**	**011**	**012**	**013**	**014**	**015**	**016**	**017**	**018**
aoc	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou	BACKG	BACKG	BACKG	BACKG	BACKG				
swmu	15,28	15,28	15,28	15,28	15,28	28	28	28	28
location	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-28-SS_BS01	MPT-28-SS02	MPT-28-SS02	MPT-28-SS03
nsample	MPTBSS1	MPTBSS1-D	OBBS00104	OBBS00104-D	OBBS00104DU	28SS00101	28SS00201	28SS00201-D	28SS00301
sample	MPTBSS1	MPTBSS1D	OBBS00104	OBBS00104D	OBBS00104DU	28SS00101	28SS00201	28SS00201D	28SS00301
matrix	SO	SO	SO	SO	SO	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	02/16/93	02/16/93	11/22/94	11/22/94	11/22/94	08/06/94	08/06/94	08/06/94	08/05/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**	**c_015**	**c_016**	**c_017**	**c_018**
Volatile Organics (ug/kg)									
1,1,1,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,2,3-TRICHLOROPROPANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	10 U	10 U	11 U	11 U		120 U	110 U	110 U	110 U
1,2-DIBROMOETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	350 U	350 U		6 U	5 U	5 U	5 U
1,4-DIOXANE	200 R	200 R	220 R	220 R		230 R	220 R	220 R	220 R
2-BUTANONE	10 U	10 U	11 U	11 U		11 R	11 R	11 R	11 R
2-CHLOROETHYL VINYL ETHER	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
2-HEXANONE	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
3-CHLOROPROPENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
4-CHLORO-3-METHYLPHENOL	340 U	350 U				370 U	360 U	360 U	720 U
4-METHYL-2-PENTANONE	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
ACETONE	10 U	10 U	11 U	11 U		46 U	28 U	35 U	30 U
ACETONITRILE	100 U	100 U	110 U	110 U		110 U	110 U	110 U	110 U
ACROLEIN	100 U	100 U	110 U	110 U		110 U	110 U	110 U	110 U
ACRYLONITRILE	100 R	100 R	110 U	110 U		110 U	110 U	110 U	110 U
BENZENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
BROMOMETHANE	10 U	10 U	11 U	11 U		11 U	11 U	11 UJ	11 U
CARBON DISULFIDE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
CHLORODIBROMOMETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
CHLOROETHANE	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
CHLOROFORM	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
CHLOROMETHANE	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
CHLOROPRENE	200 R	200 R	220 U	220 U		230 U	220 U	220 U	220 U
CIS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
DIBROMOMETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
DICHLORODIFLUOROMETHANE	10 U	10 U	11 U	11 U		11 UJ	11 UJ	11 UJ	11 UJ
ETHYL METHACRYLATE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
ETHYLBENZENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
ISOBUTANOL	1000 R	1000 R	220 U	220 U		230 U	220 U	220 U	220 U
METHACRYLONITRILE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**010**	**011**	**012**	**013**	**014**	**015**	**016**	**017**	**018**
aoc	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou	BACKG	BACKG	BACKG	BACKG	BACKG				
swmu	15,28	15,28	15,28	15,28	15,28	28	28	28	28
location	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-28-SS_BS01	MPT-28-SS02	MPT-28-SS02	MPT-28-SS03
nsample	MPTBSS1	MPTBSS1-D	OBBS00104	OBBS00104-D	OBBS00104DU	28SS00101	28SS00201	28SS00201-D	28SS00301
sample	MPTBSS1	MPTBSS1D	OBBS00104	OBBS00104D	OBBS00104DU	28SS00101	28SS00201	28SS00201D	28SS00301
matrix	SO	SO	SO	SO	SO	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	02/16/93	02/16/93	11/22/94	11/22/94	11/22/94	08/06/94	08/06/94	08/06/94	08/05/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**	**c_015**	**c_016**	**c_017**	**c_018**
METHYL IODIDE	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
METHYL METHACRYLATE	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
METHYLENE CHLORIDE	5 U	5 U	5 U	5 U		13 U	8 U	9 U	6 U
PENTACHLOROETHANE	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
PROPIONITRILE	100 U	100 U	110 U	110 U		110 U	110 U	110 U	110 U
STYRENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
TOLUENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
TOTAL 1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
TOTAL XYLENES	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
TRANS-1,4-DICHLORO-2-BUTENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
TRICHLOROETHENE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
TRICHLOROFLUOROMETHANE	5 U	5 U	5 U	5 U		6 U	5 U	5 U	5 U
VINYL ACETATE	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
VINYL CHLORIDE	10 U	10 U	11 U	11 U		11 U	11 U	11 U	11 U
Semivolatile Organics (ug/kg)									
1,2,4,5-TETRACHLOROBENZENE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
1,2,4-TRICHLOROBENZENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
1,2-DIPHENYLHYDRAZINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
1,3,5-TRINITROBENZENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
1,3-DINITROBENZENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
1,4-NAPHTHOQUINONE	34000 U	35000 U	35000 UJ	35000 U		37000 U	36000 U	36000 U	72000 U
1,4-PHENYLENEDIAMINE	17000 U	17000 U	17000 U	17000 UJ		18000 UJ	18000 UJ	18000 UJ	35000 U
1-NAPHTHYLAMINE	1700 U	1700 U	1700 U	1700 UJ		1800 U	1800 U	1800 U	3500 U
2,2'-OXYBIS(1-CHLOROPROPANE)	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2,3,4,6-TETRACHLOROPHENOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2,4,5-TRICHLOROPHENOL	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
2,4,6-TRICHLOROPHENOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2,4-DICHLOROPHENOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2,4-DIMETHYLPHENOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2,4-DINITROPHENOL	1700 U	1700 U	1700 U	1700 U		1800 UJ	1800 UJ	1800 UJ	3500 U
2,4-DINITROTOLUENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2,6-DICHLOROPHENOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2,6-DINITROTOLUENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2-ACETYLAMINOFLUORENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2-CHLORONAPHTHALENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2-CHLOROPHENOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2-METHYLNAPHTHALENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2-METHYLPHENOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2-NAPHTHYLAMINE	1700 U	1700 U	1700 U	1700 UJ		1800 U	1800 U	1800 U	3500 UJ
2-NITROANILINE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
2-NITROPHENOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
2-PICOLINE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
3&4-METHYLPHENOL			350 U	350 U		370 U	360 U	360 U	720 U

from so28_sam.dbf
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from q:\sql_server\mayport\upload

order	**010**	**011**	**012**	**013**	**014**	**015**	**016**	**017**	**018**
aoc	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou	BACKG	BACKG	BACKG	BACKG	BACKG				
swmu	15,28	15,28	15,28	15,28	15,28	28	28	28	28
location	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-28-SS_BS01	MPT-28-SS02	MPT-28-SS02	MPT-28-SS03
nsample	MPTBSS1	MPTBSS1-D	OBBS00104	OBBS00104-D	OBBS00104DU	28SS00101	28SS00201	28SS00201-D	28SS00301
sample	MPTBSS1	MPTBSS1D	OBBS00104	OBBS00104D	OBBS00104DU	28SS00101	28SS00201	28SS00201D	28SS00301
matrix	SO	SO	SO	SO	SO	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	02/16/93	02/16/93	11/22/94	11/22/94	11/22/94	08/06/94	08/06/94	08/06/94	08/05/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**	**c_015**	**c_016**	**c_017**	**c_018**
3,3'-DICHLOROBENZIDINE	690 U	690 U	710 U	710 U		750 UJ	730 UJ	730 UJ	1400 U
3,3'-DIMETHYLBENZIDINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 UJ
3-METHYLCHOLANTHRENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
3-NITROANILINE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 UJ
4,6-DINITRO-2-METHYLPHENOL	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
4-AMINOBIPHENYL	1700 U	1700 U	1700 U	1700 UJ		1800 U	1800 U	1800 U	3500 UJ
4-BROMOPHENYL PHENYL ETHER	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
4-CHLORO-3-METHYLPHENOL			350 U	350 U					
4-CHLOROANILINE	340 U	350 U	350 UJ	350 UJ		370 U	360 U	360 U	720 U
4-CHLOROPHENYL PHENYL ETHER	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
4-METHYLPHENOL	340 U	350 U							
4-NITROANILINE	1700 U	1700 U	1700 U	1700 UJ		1800 U	1800 U	1800 U	3500 U
4-NITROPHENOL	1700 U	1700 U	1700 U	1700 UJ		1800 UJ	1800 UJ	1800 UJ	3500 U
4-NITROQUINOLINE-1-OXIDE	17000 U	17000 U	17000 U	17000 UJ		18000 R	18000 R	18000 R	35000 UJ
5-NITRO-O-TOLUIDINE	340 U	350 U	350 U	350 UJ		370 U	360 U	360 U	720 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
A,A-DIMETHYLPHENETHYLAMINE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
ACENAPHTHENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
ACENAPHTHYLENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
ACETOPHENONE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
ANILINE	340 U	350 U	350 U	350 UJ		370 U	360 U	360 U	720 U
ANTHRACENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
ARAMITE	1700 R	1700 U	1700 U	1700 U		1800 UJ	1800 UJ	1800 UJ	3500 U
BENZIDINE	1700 U	1700 U	1700 UJ	1700 UJ		1800 U	1800 U	1800 U	3500 UJ
BENZO(A)ANTHRACENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
BENZO(A)PYRENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
BENZO(B)FLUORANTHENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
BENZO(G,H,I)PERYLENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
BENZO(K)FLUORANTHENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
BENZOIC ACID	1700 U	1700 U	1700 U	1700 UJ		1800 U	1800 U	1800 U	3500 U
BENZYL ALCOHOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
BIS(2-CHLOROETHOXY)METHANE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
BIS(2-CHLOROETHYL)ETHER	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
BIS(2-ETHYLHEXYL)PHTHALATE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
BUTYL BENZYL PHTHALATE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
CHLOROBENZILATE	21 U	21 U				23 U	22 U	22 U	22 U
CHRYSENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
DI-N-BUTYL PHTHALATE	340 U	350 U	350 U	350 U		370 U	360 U	41 J	720 U
DI-N-OCTYL PHTHALATE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
DIALLATE	42 U	42 U				45 U	44 U	44 U	43 U
DIBENZO(A,H)ANTHRACENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
DIBENZOFURAN	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
DIETHYL PHTHALATE	340 U	350 U	350 U	350 U		370 U	360 U	43 J	720 U
DIMETHOATE									
DIMETHYL PHTHALATE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U

order	**010**	**011**	**012**	**013**	**014**	**015**	**016**	**017**	**018**
aoc	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou	BACKG	BACKG	BACKG	BACKG	BACKG				
swmu	15,28	15,28	15,28	15,28	15,28	28	28	28	28
location	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-28-SS_BS01	MPT-28-SS02	MPT-28-SS02	MPT-28-SS03
nsample	MPTBSS1	MPTBSS1-D	OBBS00104	OBBS00104-D	OBBS00104DU	28SS00101	28SS00201	28SS00201-D	28SS00301
sample	MPTBSS1	MPTBSS1D	OBBS00104	OBBS00104D	OBBS00104DU	28SS00101	28SS00201	28SS00201D	28SS00301
matrix	SO	SO	SO	SO	SO	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	02/16/93	02/16/93	11/22/94	11/22/94	11/22/94	08/06/94	08/06/94	08/06/94	08/05/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**	**c_015**	**c_016**	**c_017**	**c_018**
DINOSEB									
DISULFOTON									
ETHYL METHANE SULFONATE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
FLUORANTHENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
FLUORENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
HEXACHLOROBENZENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
HEXACHLOROBUTADIENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
HEXACHLOROCYCLOPENTADIENE	340 U	350 U	350 U	350 U		370 UJ	360 UJ	360 UJ	720 U
HEXACHLOROETHANE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
HEXACHLOROPHENE	17000 UJ	17000 U	17000 U	17000 R		18000 R	18000 R	18000 R	35000 UJ
HEXACHLOROPROPENE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 R
INDENO(1,2,3-CD)PYRENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
ISODRIN	0.83 U	0.83 U				0.76 U	0.74 U	0.74 U	0.73 U
ISOPHORONE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
ISOSAFROLE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
METHAPYRILENE	1700 U	1700 U	1700 U	1700 UJ		1800 UJ	1800 UJ	1800 UJ	3500 UJ
METHYL METHANE SULFONATE	340 U	350 U	350 UJ	350 U		370 U	360 U	360 U	720 UJ
N-NITROSO-DI-N-BUTYLAMINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
N-NITROSO-DI-N-PROPYLAMINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
N-NITROSODIETHYLAMINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
N-NITROSODIMETHYLAMINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
N-NITROSODIPHENYLAMINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
N-NITROSOMETHYLETHYLAMINE	340 U	350 U	350 U	350 UJ		370 U	360 U	360 U	720 U
N-NITROSOMORPHOLINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
N-NITROSOPIPERIDINE	340 UJ	350 UJ	350 U	350 U		370 U	360 U	360 U	720 U
N-NITROSOPYRROLIDINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
NAPHTHALENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
NITROBENZENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
O,O,O-TRIETHYL PHOSPHOROTHIOATE									
O-TOLUIDINE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
P-(DIMETHYLAMINO)AZOBENZENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
PENTACHLOROBENZENE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
PENTACHLORONITROBENZENE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
PENTACHLOROPHENOL	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
PHENACETIN	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 UJ
PHENANTHRENE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
PHENOL	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
PHORATE									
PRONAMIDE	340 U	350 U	350 U	350 U		370 U	360 U	360 U	720 U
PYRENE	340 U	350 U	350 U	350 U		370 U	360 U	37 J	720 U
PYRIDINE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
SAFROLE	1700 U	1700 U	1700 U	1700 U		1800 U	1800 U	1800 U	3500 U
THIONAZIN									
Pesticides/PCBs (ug/kg)									
4,4'-DDD	1.4 U	1.4 U	1.4 U	1.4 U		1.5 U	1.4 U	1.4 U	1.4 U

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**010**	**011**	**012**	**013**	**014**	**015**	**016**	**017**	**018**
aoc	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou	BACKG	BACKG	BACKG	BACKG	BACKG				
swmu	15,28	15,28	15,28	15,28	15,28	28	28	28	28
location	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-28-SS_BS01	MPT-28-SS02	MPT-28-SS02	MPT-28-SS03
nsample	MPTBSS1	MPTBSS1-D	OBBS00104	OBBS00104-D	OBBS00104DU	28SS00101	28SS00201	28SS00201-D	28SS00301
sample	MPTBSS1	MPTBSS1D	OBBS00104	OBBS00104D	OBBS00104DU	28SS00101	28SS00201	28SS00201D	28SS00301
matrix	SO	SO	SO	SO	SO	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	02/16/93	02/16/93	11/22/94	11/22/94	11/22/94	08/06/94	08/06/94	08/06/94	08/05/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**	**c_015**	**c_016**	**c_017**	**c_018**
4,4'-DDE	0.7 U	0.7 U	0.72 U	0.72 U		0.76 U	0.74 U	0.74 U	0.73 U
4,4'-DDT	1.4 U	1.4 U	1.4 U	1.4 U		1.5 U	1.4 U	1.4 U	1.4 U
ALDRIN	0.7 U	0.7 U	0.72 U	0.72 U		0.76 U	0.74 U	0.74 U	0.73 U
ALPHA-BHC	0.7 U	0.7 U	0.72 U	0.72 U		0.76 U	0.74 U	0.74 U	0.73 U
AROCLOR-1016	34 U	34 U	36 U	36 U		38 U	36 U	36 U	36 U
AROCLOR-1221	70 U	70 U	72 U	72 U		76 U	74 U	74 U	73 U
AROCLOR-1232	70 U	70 U	72 U	72 U		76 U	74 U	74 U	73 U
AROCLOR-1242	34 U	34 U	36 U	36 U		38 U	36 U	36 U	36 U
AROCLOR-1248	34 U	34 U	36 U	36 U		38 U	36 U	36 U	36 U
AROCLOR-1254	18 U	18 U	17 U	17 U		19 U	19 U	19 U	18 U
AROCLOR-1260	18 U	18 U	17 U	17 U		19 U	19 U	19 U	18 U
BETA-BHC	1.4 U	1.4 U	1.4 U	1.4 U		1.5 U	1.4 U	1.4 U	1.4 U
CHLORDANE	7 U	7 U	7.2 U	7.2 U		7.6 U	7.4 U	7.4 U	7.3 U
CHLOROBENZILATE			22 U	22 U					
DELTA-BHC	0.7 U	0.7 U	0.72 U	0.72 U		0.76 U	0.74 U	0.74 U	0.73 U
DIALLATE			43 U	43 U					
DIELDRIN	0.7 U	0.7 U	0.72 U	0.72 U		0.76 U	0.74 U	0.74 U	0.73 U
ENDOSULFAN I	0.7 U	0.7 U	0.72 U	0.72 U		0.76 U	0.74 U	0.74 U	0.73 U
ENDOSULFAN II	1.4 U	1.4 U	1.4 U	1.4 U		1.5 U	1.4 U	1.4 U	1.4 U
ENDOSULFAN SULFATE	1.4 U	1.4 U	1.4 U	1.4 U		1.5 U	1.4 U	1.4 U	1.4 U
ENDRIN	1.4 U	1.4 U	1.4 U	1.4 U		1.5 U	1.4 U	1.4 U	1.4 U
ENDRIN ALDEHYDE	1.4 U	1.4 U	1.4 U	1.4 U		1.5 U	1.4 U	1.4 U	1.4 U
ENDRIN KETONE	1.4 U	1.4 U	1.4 U	1.4 U		1.5 U	1.4 U	1.4 U	1.4 U
GAMMA-BHC (LINDANE)	0.7 U	0.7 U	0.72 U	0.72 U		0.76 U	0.74 U	0.74 U	0.73 U
HEPTACHLOR	0.7 U	0.7 U	0.72 U	0.72 U		0.76 U	0.74 U	0.74 U	0.73 U
HEPTACHLOR EPOXIDE	0.7 U	0.7 U	0.72 U	0.72 U		0.76 U	0.74 U	0.74 U	0.73 U
ISODRIN			0.72 U	0.72 U					
KEPONE	42 U	42 U	43 UJ	43 UJ		45 U	44 U	44 U	43 UJ
METHOXYCHLOR	2.8 U	2.8 U	2.9 U	2.9 U		3.1 U	3 U	3 U	2.9 U
SULFOTEPP									
TOXAPHENE	34 U	34 U	36 U	36 U		38 U	36 U	36 U	36 U
Herbicides (ug/kg)									
2,4,5-T									
2,4,5-TP (SILVEX)									
2,4-D									
ETHYL PARATHION									
FAMPHUR									
METHYL PARATHION									
Inorganics (mg/kg)									
ANTIMONY	5.3 U	5.2 U	1.1 U		1.1 U	0.5 UJ	0.49 UJ	0.49 UJ	0.47 U
ARSENIC	2.2 U	1.5 U	0.58 J		0.43 J	0.74 J	0.85 J	1.6 J	1.2 J
BARIUM	2.7 J	2.6 J	3.3 J		3.9 J	5 J	4.1 J	6.2 J	7.1 J
BERYLLIUM	0.06 U	0.06 U	0.07 J		0.07 J	0.04 U	0.06 J	0.28 J	0.08 J
CADMIUM	0.83 U	0.83 U	0.22 U		0.22 U	0.68 U	0.67 U	0.66 U	0.64 U
CHROMIUM	1.5 J	0.72 J	1.5 J		3	2 J	2 J	2.4	3.6

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**010**	**011**	**012**	**013**	**014**	**015**	**016**	**017**	**018**
aoc	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	OLD PEST HANDLING	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou	BACKG	BACKG	BACKG	BACKG	BACKG				
swmu	15,28	15,28	15,28	15,28	15,28	28	28	28	28
location	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-B-SS_BS-01	MPT-28-SS_BS01	MPT-28-SS02	MPT-28-SS02	MPT-28-SS03
nsample	MPTBSS1	MPTBSS1-D	OBBS00104	OBBS00104-D	OBBS00104DU	28SS00101	28SS00201	28SS00201-D	28SS00301
sample	MPTBSS1	MPTBSS1D	OBBS00104	OBBS00104D	OBBS00104DU	28SS00101	28SS00201	28SS00201D	28SS00301
matrix	SO	SO	SO	SO	SO	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	02/16/93	02/16/93	11/22/94	11/22/94	11/22/94	08/06/94	08/06/94	08/06/94	08/05/94
validated	N	N	N	N	N	N	N	N	N
sort	**c_010**	**c_011**	**c_012**	**c_013**	**c_014**	**c_015**	**c_016**	**c_017**	**c_018**
COBALT	0.47 U	0.47 U	0.67 U		0.71 J	0.6 U	0.59 U	0.59 U	0.57 U
COPPER	2.1 J	0.35 U	2 J		2.3 J	0.9 U	0.88 U	0.88 U	1.2 J
LEAD	1.5 U	1.2 U	0.93		0.75	1.5	2	2.8	0.43 UJ
MERCURY	0.03 U	0.03 U	0.03 U		0.03 J	0.08 U	0.12	0.07 U	0.08 U
NICKEL	2.6 U	2.6 U	1.3 U		1.3 U	1.6 U	1.6 U	1.6 U	1.5 U
SELENIUM	0.72 J	0.59 J	0.13 U		0.13 U	0.3 UJ	0.29 UJ	0.29 UJ	0.28 U
SILVER	0.51 U	0.51 U	0.45 U		0.45 U	0.52 U	0.52 U	0.52 U	0.54 J
THALLIUM	0.53 UJ	0.54 UJ	0.13 U		0.13 U	0.29 U	0.29 U	0.28 U	0.28 U
TIN	7.3 U	7.3 U	4 J		2.8 J	2.5 J	2.4 J	2.1 J	3.4 J
VANADIUM	1.7 J	1.2 J	1.7 J		1.9 J	1.7 J	1.8 J	1.9 J	3.9 J
ZINC	1.7 J	0.35 J	2.9 J		2.8 J	2.5 J	1.4 J	2.2 J	0.66 U
Miscellaneous Parameters (mg/kg)									
CYANIDE	0.16 U	0.16 U	0.58		0.15 U	0.04 U	0.03 U	0.03 U	0.03 U
TOTAL ORGANIC CARBON	1950	1740							

order	**019**	**020**	**021**	**022**	**023**	**024**	**025**	**026**	**027**	**028**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS04	MPT-28-SS_BS05	MPT-28-SS06	MPT-28-SS_BS07	MPT-28-SS08	MPT-28-SS09	MPT-28-SS_BS10	MPT-28-SS11	MPT-28-SS12	MPT-28-SS13
nsample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
sample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/10/94	08/05/94	08/06/94	08/06/94	08/06/94	08/06/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_019**	**c_020**	**c_021**	**c_022**	**c_023**	**c_024**	**c_025**	**c_026**	**c_027**	**c_028**
Volatile Organics (ug/kg)										
1,1,1,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	5 R	5 U	6 U	6 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,2,3-TRICHLOROPROPANE	5 U	5 U	5 U	5 U	5 R	5 U	6 U	6 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	110 U	110 U	110 U	110 U	11 R	120 U	120 U	120 U	110 U	110 U
1,2-DIBROMOETHANE	5 U	5 U	5 U	5 U	5 R	5 U	6 U	6 U	5 U	5 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,2-DICHLOROETHANE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
1,4-DIOXANE	210 R	220 R	220 R	210 R	540 R	220 R	220 R	230 R	210 R	210 R
2-BUTANONE	10 R	11 R	11 R	11 R	11 U	11 R	11 R	11 R	11 R	11 R
2-CHLOROETHYL VINYL ETHER	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-HEXANONE	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
3-CHLOROPROPENE	5 U	5 U	5 U	5 U		5 U	6 U	6 U	5 U	5 U
4-CHLORO-3-METHYLPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
4-METHYL-2-PENTANONE	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
ACETONE	16 U	28 U	37 U	45 U	11 U	97 J	41 U	25 U	22 U	36 U
ACETONITRILE	100 U	110 U	110 U	110 U	110 R	110 U	110 U	110 U	110 U	110 U
ACROLEIN	100 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U
ACRYLONITRILE	100 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U
BENZENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
BROMOMETHANE	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 UJ
CARBON DISULFIDE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
CARBON TETRACHLORIDE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
CHLORODIBROMOMETHANE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
CHLOROETHANE	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
CHLOROFORM	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
CHLOROMETHANE	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
CHLOROPRENE	210 U	220 U	220 U	210 U		220 U	220 U	230 U	210 U	210 U
CIS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
DIBROMOMETHANE	5 U	5 U	5 U	5 U	5 R	5 U	6 U	6 U	5 U	5 U
DICHLORODIFLUOROMETHANE	10 UJ	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ
ETHYL METHACRYLATE	5 U	5 U	5 U	5 U	5 R	5 U	6 U	6 U	5 U	5 U
ETHYLBENZENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
ISOBUTANOL	210 U	220 U	220 U	210 U	220 R	220 U	220 U	230 U	210 U	210 U
METHACRYLONITRILE	5 U	5 U	5 U	5 U	22 R	5 U	6 U	6 U	5 U	5 U

order	**019**	**020**	**021**	**022**	**023**	**024**	**025**	**026**	**027**	**028**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS04	MPT-28-SS_BS05	MPT-28-SS06	MPT-28-SS_BS07	MPT-28-SS08	MPT-28-SS09	MPT-28-SS_BS10	MPT-28-SS11	MPT-28-SS12	MPT-28-SS13
nsample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
sample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/10/94	08/05/94	08/06/94	08/06/94	08/06/94	08/06/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_019**	**c_020**	**c_021**	**c_022**	**c_023**	**c_024**	**c_025**	**c_026**	**c_027**	**c_028**
METHYL IODIDE	10 U	11 U	11 U	11 U	11 R	11 U	11 U	11 U	11 U	11 U
METHYL METHACRYLATE	10 U	11 U	11 U	11 U	11 R	11 U	11 U	11 U	11 U	11 U
METHYLENE CHLORIDE	5 U	6 U	8 U	6 U	5 U	8 U	9 U	10 U	7 U	9 U
PENTACHLOROETHANE	10 U	11 U	11 U	11 U	350 U	11 U	11 U	11 U	11 U	11 U
PROPIONITRILE	100 U	110 U	110 U	110 U	110 R	110 U	110 U	110 U	110 U	110 U
STYRENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
TOLUENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
TOTAL 1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
TOTAL XYLENES	5 U	6	5 U	5 U	5 U	1 J	6 U	1 J	5 U	2 J
TRANS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
TRANS-1,4-DICHLORO-2-BUTENE	5 U	5 U	5 U	5 U	5 R	5 U	6 U	6 U	5 U	5 U
TRICHLOROETHENE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
TRICHLOROFLUOROMETHANE	5 U	5 U	5 U	5 U	5 U	5 U	6 U	6 U	5 U	5 U
VINYL ACETATE	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
VINYL CHLORIDE	10 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Semivolatile Organics (ug/kg)										
1,2,4,5-TETRACHLOROBENZENE	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
1,2,4-TRICHLOROBENZENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
1,2-DIPHENYLHYDRAZINE	1400 U	1400 U	710 U	350 U	350 UJ	350 U	360 U	360 U	360 U	350 U
1,3,5-TRINITROBENZENE	1400 U	1400 U	710 U	350 U	350 UJ	350 U	360 UJ	360 UJ	360 UJ	350 UJ
1,3-DINITROBENZENE	1400 U	1400 U	710 U	350 U	350 UJ	350 U	360 UJ	360 UJ	360 UJ	350 UJ
1,4-NAPHTHOQUINONE	140000 U	140000 U	71000 U	35000 U	35000 U	35000 U	36000 U	36000 U	36000 U	35000 U
1,4-PHENYLENEDIAMINE	67000 U	68000 U	34000 U	17000 U	18000 UJ	17000 U	17000 UJ	17000 UJ	17000 UJ	17000 UJ
1-NAPHTHYLAMINE	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,2'-OXYBIS(1-CHLOROPROPANE)	1400 U	1400 U	710 U	350 U	350 UJ	350 U	360 U	360 U	360 U	350 U
2,3,4,6-TETRACHLOROPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2,4,5-TRICHLOROPHENOL	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
2,4,6-TRICHLOROPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2,4-DICHLOROPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2,4-DIMETHYLPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2,4-DINITROPHENOL	6700 U	6800 U	3400 U	1700 U	1800 U	1700 UJ	1700 U	1700 U	1700 U	1700 U
2,4-DINITROTOLUENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2,6-DICHLOROPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2,6-DINITROTOLUENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2-ACETYLAMINOFLUORENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2-CHLORONAPHTHALENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2-CHLOROPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2-METHYLNAPHTHALENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2-METHYLPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2-NAPHTHYLAMINE	6700 UJ	6800 UJ	3400 UJ	1700 UJ	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
2-NITROANILINE	6700 U	6800 U	3400 U	1700 U	1800 UJ	1700 U	1700 U	1700 U	1700 U	1700 U
2-NITROPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
2-PICOLINE	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 UJ	1700 UJ	1700 UJ	1700 UJ
3&4-METHYLPHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**019**	**020**	**021**	**022**	**023**	**024**	**025**	**026**	**027**	**028**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS04	MPT-28-SS_BS05	MPT-28-SS06	MPT-28-SS_BS07	MPT-28-SS08	MPT-28-SS09	MPT-28-SS_BS10	MPT-28-SS11	MPT-28-SS12	MPT-28-SS13
nsample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
sample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/10/94	08/05/94	08/06/94	08/06/94	08/06/94	08/06/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_019**	**c_020**	**c_021**	**c_022**	**c_023**	**c_024**	**c_025**	**c_026**	**c_027**	**c_028**
3,3'-DICHLOROBENZIDINE	2800 U	2800 U	1400 U	690 U	710 U	690 UJ	720 U	720 U	720 U	700 U
3,3'-DIMETHYLBENZIDINE	1400 UJ	1400 U	710 UJ	350 UJ	350 U	350 UJ	360 U	360 U	360 U	350 U
3-METHYLCHOLANTHRENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
3-NITROANILINE	6700 UJ	6800 UJ	3400 UJ	1700 UJ	1800 U	1700 UJ	1700 U	1700 U	1700 U	1700 U
4,6-DINITRO-2-METHYLPHENOL	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
4-AMINOBIPHENYL	6700 UJ	6800 UJ	3400 UJ	1700 UJ	1800 U	1700 UJ	1700 U	1700 U	1700 U	1700 U
4-BROMOPHENYL PHENYL ETHER	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
4-CHLORO-3-METHYLPHENOL										
4-CHLOROANILINE	1400 U	1400 U	710 U	350 U	350 U	350 UJ	360 U	360 U	360 U	350 U
4-CHLOROPHENYL PHENYL ETHER	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
4-METHYLPHENOL										
4-NITROANILINE	6700 U	6800 U	3400 U	1700 U	1800 UJ	1700 U	1700 U	1700 U	1700 U	1700 U
4-NITROPHENOL	6700 U	6800 U	3400 U	1700 U	1800 UJ	1700 U	1700 U	1700 U	1700 U	1700 U
4-NITROQUINOLINE-1-OXIDE	67000 UJ	68000 UJ	34000 UJ	17000 UJ	18000 U	17000 UJ	17000 R	17000 R	17000 R	17000 R
5-NITRO-O-TOLUIDINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
A,A-DIMETHYLPHENETHYLAMINE	6700 U	6800 U	3400 U	1700 U	1800 UJ	1700 U	1700 U	1700 U	1700 U	1700 U
ACENAPHTHENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
ACENAPHTHYLENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
ACETOPHENONE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 UJ	360 UJ	360 UJ	350 UJ
ANILINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
ANTHRACENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
ARAMITE	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
BENZIDINE	6700 UJ	6800 UJ	3400 UJ	1700 UJ	1800 U	1700 UJ	1700 U	1700 U	1700 U	1700 U
BENZO(A)ANTHRACENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	46 J	360 U	350 U
BENZO(A)PYRENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	50 J	360 U	350 U
BENZO(B)FLUORANTHENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	50 J	360 U	350 U
BENZO(G,H,I)PERYLENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	50 J	360 U	350 U
BENZO(K)FLUORANTHENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	48 J	360 U	350 U
BENZOIC ACID	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
BENZYL ALCOHOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
BIS(2-CHLOROETHOXY)METHANE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
BIS(2-CHLOROETHYL)ETHER	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
BIS(2-ETHYLHEXYL)PHTHALATE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	95 J	41 J	350 U
BUTYL BENZYL PHTHALATE	1400 U	1400 U	710 U	350 U	350 U	350 U	86 J	100 J	83 J	350 U
CHLOROBENZILATE	42 U	42 U	22 U	21 U	21 U	21 U	22 U	54 U	22 U	21 U
CHRYSENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	42 J	360 U	350 U
DI-N-BUTYL PHTHALATE	1400 U	1400 U	710 U	75 J	350 U	350 U	360 U	360 U	360 U	350 U
DI-N-OCTYL PHTHALATE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	40 J	360 U	350 U
DIALLATE	84 U	86 U	43 U	42 U	43 U	42 U	44 U	110 U	44 U	43 U
DIBENZO(A,H)ANTHRACENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	52 J	360 U	350 U
DIBENZOFURAN	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
DIETHYL PHTHALATE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
DIMETHOATE										
DIMETHYL PHTHALATE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**019**	**020**	**021**	**022**	**023**	**024**	**025**	**026**	**027**	**028**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS04	MPT-28-SS_BS05	MPT-28-SS06	MPT-28-SS_BS07	MPT-28-SS08	MPT-28-SS09	MPT-28-SS_BS10	MPT-28-SS11	MPT-28-SS12	MPT-28-SS13
nsample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
sample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/10/94	08/05/94	08/06/94	08/06/94	08/06/94	08/06/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_019**	**c_020**	**c_021**	**c_022**	**c_023**	**c_024**	**c_025**	**c_026**	**c_027**	**c_028**
DINOSEB										
DISULFOTON										
ETHYL METHANE SULFONATE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 UJ	360 UJ	360 UJ	350 UJ
FLUORANTHENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	49 J	360 U	350 U
FLUORENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
HEXACHLOROBENZENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
HEXACHLOROBUTADIENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
HEXACHLOROCYCLOPENTADIENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
HEXACHLOROETHANE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
HEXACHLOROPHENE	67000 UJ	68000 UJ	34000 UJ	17000 UJ	18000 U	17000 UJ	17000 R	17000 R	17000 R	17000 R
HEXACHLOROPROPENE	6700 R	6800 R	3400 R	1700 R	1800 U	1700 R	1700 U	1700 U	1700 U	1700 U
INDENO(1,2,3-CD)PYRENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	48 J	360 U	350 U
ISODRIN	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
ISOPHORONE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
ISOSAFROLE	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
METHAPYRILENE	6700 UJ	6800 UJ	3400 UJ	1700 UJ	1800 UJ	1700 U	1700 UJ	1700 UJ	1700 UJ	1700 UJ
METHYL METHANE SULFONATE	1400 UJ	1400 UJ	710 UJ	350 UJ	350 U	350 U	360 U	360 U	360 U	350 U
N-NITROSO-DI-N-BUTYLAMINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 UJ	360 UJ	360 UJ	350 UJ
N-NITROSO-DI-N-PROPYLAMINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
N-NITROSODIETHYLAMINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
N-NITROSODIMETHYLAMINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
N-NITROSODIPHENYLAMINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
N-NITROSOMETHYLETHYLAMINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 UJ	360 UJ	360 UJ	350 UJ
N-NITROSOMORPHOLINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 UJ	360 UJ	360 UJ	350 UJ
N-NITROSOPIPERIDINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 UJ	360 UJ	360 UJ	350 UJ
N-NITROSOPYRROLIDINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 UJ	360 UJ	360 UJ	350 UJ
NAPHTHALENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
NITROBENZENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
O,O,O-TRIETHYL PHOSPHOROTHIOATE										
O-TOLUIDINE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 UJ	360 UJ	360 UJ	350 UJ
P-(DIMETHYLAMINO)AZOBENZENE	1400 U	1400 UJ	710 U	350 U	350 U	350 U	360 UJ	360 UJ	360 UJ	350 UJ
PENTACHLOROBENZENE	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
PENTACHLORONITROBENZENE	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
PENTACHLOROPHENOL	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
PHENACETIN	1400 UJ	1400 UJ	710 UJ	350 UJ	350 UJ	350 U	360 UJ	360 UJ	360 UJ	350 UJ
PHENANTHRENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
PHENOL	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
PHORATE										
PRONAMIDE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	360 U	360 U	350 U
PYRENE	1400 U	1400 U	710 U	350 U	350 U	350 U	360 U	39 J	360 U	350 U
PYRIDINE	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 UJ	1700 UJ	1700 UJ	1700 UJ
SAFROLE	6700 U	6800 U	3400 U	1700 U	1800 U	1700 U	1700 U	1700 U	1700 U	1700 U
THIONAZIN										
Pesticides/PCBs (ug/kg)										
4,4'-DDD	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U

from so28_sam.dbf
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from q:\sql_server\mayport\upload

order	**019**	**020**	**021**	**022**	**023**	**024**	**025**	**026**	**027**	**028**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS04	MPT-28-SS_BS05	MPT-28-SS06	MPT-28-SS_BS07	MPT-28-SS08	MPT-28-SS09	MPT-28-SS_BS10	MPT-28-SS11	MPT-28-SS12	MPT-28-SS13
nsample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
sample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/10/94	08/05/94	08/06/94	08/06/94	08/06/94	08/06/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_019**	**c_020**	**c_021**	**c_022**	**c_023**	**c_024**	**c_025**	**c_026**	**c_027**	**c_028**
4,4'-DDE	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
4,4'-DDT	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U
ALDRIN	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
ALPHA-BHC	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
AROCLOR-1016	68 U	70 U	35 U	36 U	35 U	36 U	36 U	90 U	36 U	35 U
AROCLOR-1221	140 U	140 U	65 U	72 U	71 U	72 U	74 U	180 U	74 U	71 U
AROCLOR-1232	140 U	140 U	65 U	72 U	71 U	72 U	74 U	180 U	74 U	71 U
AROCLOR-1242	68 U	70 U	35 U	36 U	35 U	36 U	36 U	90 U	36 U	35 U
AROCLOR-1248	68 U	70 U	35 U	36 U	35 U	36 U	36 U	90 U	36 U	35 U
AROCLOR-1254	36 U	36 U	18 U	18 U	18 U	18 U	18 U	46 U	18 U	18 U
AROCLOR-1260	36 U	36 U	18 U	18 U	18 U	18 U	18 U	46 U	18 U	18 U
BETA-BHC	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U
CHLORDANE	14 U	14 U	6.5 U	7.2 U	7.1 U	7.2 U	7.4 U	18 U	7.4 U	7.1 U
CHLOROBENZILATE										
DELTA-BHC	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
DIALLATE										
DIELDRIN	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
ENDOSULFAN I	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
ENDOSULFAN II	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U
ENDOSULFAN SULFATE	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U
ENDRIN	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U
ENDRIN ALDEHYDE	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U
ENDRIN KETONE	2.8 U	2.8 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	3.5 U	1.4 U	1.4 U
GAMMA-BHC (LINDANE)	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
HEPTACHLOR	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
HEPTACHLOR EPOXIDE	1.4 U	1.4 U	0.65 U	0.72 U	0.71 U	0.72 U	0.74 U	1.8 U	0.74 U	0.71 U
ISODRIN										
KEPONE	84 UJ	84 U	43 U	42 U	42 UJ	42 U	43 U	110 U	43 U	42 U
METHOXYCHLOR	5.6 U	5.8 U	2.9 U	2.9 U	2.9 U	2.9 U	3 U	7.3 U	3 U	2.9 U
SULFOTEPP										
TOXAPHENE	68 U	70 U	35 U	36 U	35 U	36 U	36 U	90 U	36 U	35 U
Herbicides (ug/kg)										
2,4,5-T										
2,4,5-TP (SILVEX)										
2,4-D										
ETHYL PARATHION										
FAMPHUR										
METHYL PARATHION										
Inorganics (mg/kg)										
ANTIMONY	0.46 U	0.48 U	0.48 U	0.47 U	0.48 UJ	0.47 UJ	0.48 UJ	0.49 UJ	0.48 UJ	0.47 UJ
ARSENIC	0.61 J	1.6 J	0.79 J	1.5 J	1.1 J	0.59 J	0.71 J	1.1 J	0.66 J	0.74 J
BARIUM	4 J	7.4 J	4.3 J	17.4 J	4.1 J	2.7 J	3.2 J	6.2 J	3.7 J	2.2 J
BERYLLIUM	0.09 J	0.13 J	0.05 J	0.14 J	0.05 J	0.09 J	0.04 U	0.08 J	0.07 J	0.06 J
CADMIUM	0.63 U	0.65 U	0.64 U	0.64 U	0.65 U	0.64 U	0.65 U	0.67 U	0.64 U	0.64 U
CHROMIUM	2 J	3.5	1.8 J	3.6	1.4 J	1.9 J	1.2 J	2.3	2 J	1.6 J

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from q:\sql_server\mayport\upload

order	**019**	**020**	**021**	**022**	**023**	**024**	**025**	**026**	**027**	**028**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS04	MPT-28-SS_BS05	MPT-28-SS06	MPT-28-SS_BS07	MPT-28-SS08	MPT-28-SS09	MPT-28-SS_BS10	MPT-28-SS11	MPT-28-SS12	MPT-28-SS13
nsample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
sample	28SS00401	28SS00501	28SS00601	28SS00701	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/10/94	08/05/94	08/06/94	08/06/94	08/06/94	08/06/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_019**	**c_020**	**c_021**	**c_022**	**c_023**	**c_024**	**c_025**	**c_026**	**c_027**	**c_028**
COBALT	0.56 U	0.57 U	0.57 U	0.59 J	0.57 U	0.73 J	0.57 U	0.59 U	0.57 U	0.57 U
COPPER	0.83 U	1.5 J	0.85 U	4.5 J	3.3 U	1 J	0.86 U	0.99 J	0.85 U	1.3 J
LEAD	0.43 UJ	0.44 UJ	0.44 UJ	0.43 UJ	1.3	0.45 J	0.92 U	1.3 U	1.2 U	2
MERCURY	0.08 U	0.07 U	0.08 U	0.07 U	0.08 U	0.07 U	0.08 U	0.09 U	0.07 U	0.08 U
NICKEL	1.5 U	1.6 U	1.6 U	1.5 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U	1.5 U
SELENIUM	0.28 U	0.28 U	0.28 U	0.28 U	0.47 J	0.28 U	0.28 UJ	0.29 UJ	0.28 UJ	0.28 UJ
SILVER	0.43 U	0.44 U	0.44 U	0.56 J	0.44 U	0.44 U	0.52 U	0.52 U	0.52 U	0.52 U
THALLIUM	0.27 U	0.28 U	0.28 U	0.27 U	0.28 U	0.27 U	0.28 U	0.29 U	0.28 U	0.28 U
TIN	3.8 J	2.3 J	2.4 J	2.8 J	2 U	3.7 J	2 U	3.2 J	2.2 J	2 U
VANADIUM	2 J	4.1 J	1.7 J	3.2 J	1.5 J	1.6 J	1.1 J	2.3 J	1.7 J	1.3 J
ZINC	0.56 U	1.7 U	1.3 U	1.5 U	1.6 U	1.4 U	1.1 J	8.6	1.7 J	3.7 J
Miscellaneous Parameters (mg/kg)										
CYANIDE	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.04 U	0.03 U	0.03 U
TOTAL ORGANIC CARBON										

order	**029**	**030**	**031**	**032**	**033**	**034**	**035**	**036**	**037**	**038**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS14	MPT-28-SS14	MPT-28-SS15	MPT-28-SS16	MPT-28-SS17	MPT-28-SS18	MPT-28-SS19	MPT-28-SS20	MPT-28-SS21	MPT-28-SS21
nsample	28SS01401	28SS01401-D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101-D
sample	28SS01401	28SS01401D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_029**	**c_030**	**c_031**	**c_032**	**c_033**	**c_034**	**c_035**	**c_036**	**c_037**	**c_038**
Volatile Organics (ug/kg)										
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2,3-TRICHLOROPROPANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	120 U	120 U	110 U	11 U	110 U	110 U	110 U	110 U	110 U	110 U
1,2-DIBROMOETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROBENZENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
1,4-DIOXANE	220 R	220 R	210 R	220 R	220 R	220 R	210 R	220 R	210 R	220 R
2-BUTANONE	11 R	11 R	11 R	11 R	11 R	11 R	11 R	11 R	11 R	11 R
2-CHLOROETHYL VINYL ETHER	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
2-HEXANONE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
3-CHLOROPROPENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
4-CHLORO-3-METHYLPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
4-METHYL-2-PENTANONE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
ACETONE	25 U	34 U	31 U	24 U	29 U	40 U	25 U	24 U	53 U	31 U
ACETONITRILE	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U
ACROLEIN	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U
ACRYLONITRILE	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U
BENZENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	11 UJ	11 UJ	11 UJ	11 U	11 UJ	11 UJ	11 U	11 U	11 U	11 U
CARBON DISULFIDE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROBENZENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLORODIBROMOMETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
CHLOROFORM	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
CHLOROPRENE	220 U	220 U	210 U	220 U	220 U	220 U	210 U	220 U	210 U	220 U
CIS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
DIBROMOMETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
DICHLORODIFLUOROMETHANE	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ	11 UJ
ETHYL METHACRYLATE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ETHYLBENZENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
ISOBUTANOL	220 U	220 U	210 U	220 U	220 U	220 U	210 U	220 U	210 U	220 U
METHACRYLONITRILE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U

order	**029**	**030**	**031**	**032**	**033**	**034**	**035**	**036**	**037**	**038**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS14	MPT-28-SS14	MPT-28-SS15	MPT-28-SS16	MPT-28-SS17	MPT-28-SS18	MPT-28-SS19	MPT-28-SS20	MPT-28-SS21	MPT-28-SS21
nsample	28SS01401	28SS01401-D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101-D
sample	28SS01401	28SS01401D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_029**	**c_030**	**c_031**	**c_032**	**c_033**	**c_034**	**c_035**	**c_036**	**c_037**	**c_038**
METHYL IODIDE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
METHYL METHACRYLATE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
METHYLENE CHLORIDE	10 U	10 U	9 U	5 U	9 U	11 U	8 U	8 U	9 U	5 U
PENTACHLOROETHANE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
PROPIONITRILE	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U	110 U
STYRENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TETRACHLOROETHENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TOTAL 1,2-DICHLOROETHENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TOTAL XYLENES	6 U	6 U	5 U	5 U	2 J	5 U	5 U	5 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,4-DICHLORO-2-BUTENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROFLUOROMETHANE	6 U	6 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U	5 U
VINYL ACETATE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
VINYL CHLORIDE	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U	11 U
Semivolatile Organics (ug/kg)										
1,2,4,5-TETRACHLOROBENZENE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
1,2,4-TRICHLOROBENZENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
1,2-DIPHENYLHYDRAZINE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
1,3,5-TRINITROBENZENE	350 UJ	350 UJ	350 UJ	350 UJ	370 UJ	360 UJ	360 UJ	350 U	710 U	360 U
1,3-DINITROBENZENE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
1,4-NAPHTHOQUINONE	35000 U	35000 U	35000 U	35000 U	37000 U	36000 U	36000 U	35000 U	71000 U	36000 U
1,4-PHENYLENEDIAMINE	17000 UJ	17000 UJ	17000 UJ	17000 UJ	18000 UJ	17000 UJ	17000 UJ	17000 UJ	34000 U	17000 U
1-NAPHTHYLAMINE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
2,2'-OXYBIS(1-CHLOROPROPANE)	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2,3,4,6-TETRACHLOROPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2,4,5-TRICHLOROPHENOL	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
2,4,6-TRICHLOROPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2,4-DICHLOROPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2,4-DIMETHYLPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2,4-DINITROPHENOL	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 UJ	3400 U	1700 U
2,4-DINITROTOLUENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2,6-DICHLOROPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2,6-DINITROTOLUENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2-ACETYLAMINOFLUORENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2-CHLORONAPHTHALENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2-CHLOROPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2-METHYLNAPHTHALENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2-METHYLPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2-NAPHTHYLAMINE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 UJ	1700 UJ
2-NITROANILINE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
2-NITROPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
2-PICOLINE	1700 UJ	1700 UJ	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
3&4-METHYLPHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U

order	**029**	**030**	**031**	**032**	**033**	**034**	**035**	**036**	**037**	**038**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS14	MPT-28-SS14	MPT-28-SS15	MPT-28-SS16	MPT-28-SS17	MPT-28-SS18	MPT-28-SS19	MPT-28-SS20	MPT-28-SS21	MPT-28-SS21
nsample	28SS01401	28SS01401-D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101-D
sample	28SS01401	28SS01401D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_029**	**c_030**	**c_031**	**c_032**	**c_033**	**c_034**	**c_035**	**c_036**	**c_037**	**c_038**
3,3'-DICHLOROBENZIDINE	710 U	700 U	700 U	710 U	740 U	720 U	720 U	700 UJ	1400 U	720 U
3,3'-DIMETHYLBENZIDINE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 UJ	360 UJ
3-METHYLCHOLANTHRENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
3-NITROANILINE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 UJ	1700 UJ
4,6-DINITRO-2-METHYLPHENOL	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
4-AMINOBIPHENYL	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 UJ	1700 UJ
4-BROMOPHENYL PHENYL ETHER	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
4-CHLORO-3-METHYLPHENOL										
4-CHLOROANILINE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
4-CHLOROPHENYL PHENYL ETHER	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
4-METHYLPHENOL										
4-NITROANILINE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
4-NITROPHENOL	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 UJ	3400 U	1700 U
4-NITROQUINOLINE-1-OXIDE	17000 R	17000 R	17000 R	17000 R	18000 R	17000 R	17000 R	17000 R	34000 UJ	17000 UJ
5-NITRO-O-TOLUIDINE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
A,A-DIMETHYLPHENETHYLAMINE	1700 U	1700 U	1700 UJ	1700 UJ	1800 UJ	1700 UJ	1700 UJ	1700 U	3400 U	1700 U
ACENAPHTHENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
ACENAPHTHYLENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
ACETOPHENONE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
ANILINE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
ANTHRACENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
ARAMITE	1700 U	1700 U	1700 UJ	1700 UJ	1800 UJ	1700 UJ	1700 UJ	1700 UJ	3400 U	1700 U
BENZIDINE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 UJ	1700 UJ
BENZO(A)ANTHRACENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
BENZO(A)PYRENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
BENZO(B)FLUORANTHENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
BENZO(G,H,I)PERYLENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
BENZO(K)FLUORANTHENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
BENZOIC ACID	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
BENZYL ALCOHOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
BIS(2-CHLOROETHOXY)METHANE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
BIS(2-CHLOROETHYL)ETHER	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
BIS(2-ETHYLHEXYL)PHTHALATE	350 U	350 U	37 J	350 U	370 U	360 U	360 U	350 U	710 U	44 J
BUTYL BENZYL PHTHALATE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
CHLOROBENZILATE	21 U	21 U	21 U	22 U	22 U	22 U	22 U	21 U	22 U	22 U
CHRYSENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
DI-N-BUTYL PHTHALATE	350 U	350 U	92 J	160 J	370 U	360 U	360 U	350 U	710 U	52 J
DI-N-OCTYL PHTHALATE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
DIALLATE	43 U	43 U	43 U	43 U	45 U	43 U	44 U	43 U	43 U	43 U
DIBENZO(A,H)ANTHRACENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
DIBENZOFURAN	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
DIETHYL PHTHALATE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
DIMETHOATE										
DIMETHYL PHTHALATE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U

order	**029**	**030**	**031**	**032**	**033**	**034**	**035**	**036**	**037**	**038**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS14	MPT-28-SS14	MPT-28-SS15	MPT-28-SS16	MPT-28-SS17	MPT-28-SS18	MPT-28-SS19	MPT-28-SS20	MPT-28-SS21	MPT-28-SS21
nsample	28SS01401	28SS01401-D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101-D
sample	28SS01401	28SS01401D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_029**	**c_030**	**c_031**	**c_032**	**c_033**	**c_034**	**c_035**	**c_036**	**c_037**	**c_038**
DINOSEB										
DISULFOTON										
ETHYL METHANE SULFONATE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
FLUORANTHENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
FLUORENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
HEXACHLOROBENZENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
HEXACHLOROBUTADIENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
HEXACHLOROCYCLOPENTADIENE	350 U	350 U	350 UJ	350 UJ	370 UJ	360 UJ	360 UJ	350 UJ	710 U	360 U
HEXACHLOROETHANE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
HEXACHLOROPHENE	17000 R	17000 R	17000 R	17000 R	18000 R	17000 R	17000 R	17000 R	34000 UJ	17000 UJ
HEXACHLOROPROPENE	1700 U	1700 U	1700 UJ	1700 UJ	1800 UJ	1700 UJ	1700 UJ	1700 U	3400 R	1700 R
INDENO(1,2,3-CD)PYRENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
ISODRIN	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
ISOPHORONE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
ISOSAFROLE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
METHAPYRILENE	1700 UJ	1700 UJ	1700 U	1700 U	1800 U	1700 U	1700 U	1700 UJ	3400 UJ	1700 UJ
METHYL METHANE SULFONATE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 UJ	360 UJ
N-NITROSO-DI-N-BUTYLAMINE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
N-NITROSO-DI-N-PROPYLAMINE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
N-NITROSODIETHYLAMINE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
N-NITROSODIMETHYLAMINE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
N-NITROSODIPHENYLAMINE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
N-NITROSOMETHYLETHYLAMINE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
N-NITROSOMORPHOLINE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
N-NITROSOPIPERIDINE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
N-NITROSOPYRROLIDINE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
NAPHTHALENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
NITROBENZENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
O,O,O-TRIETHYL PHOSPHOROTHIOATE										
O-TOLUIDINE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
P-(DIMETHYLAMINO)AZOBENZENE	350 UJ	350 UJ	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
PENTACHLOROBENZENE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
PENTACHLORONITROBENZENE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
PENTACHLOROPHENOL	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
PHENACETIN	350 UJ	350 UJ	350 UJ	350 UJ	370 UJ	360 UJ	360 UJ	350 U	710 UJ	360 UJ
PHENANTHRENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
PHENOL	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
PHORATE										
PRONAMIDE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
PYRENE	350 U	350 U	350 U	350 U	370 U	360 U	360 U	350 U	710 U	360 U
PYRIDINE	1700 UJ	1700 UJ	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
SAFROLE	1700 U	1700 U	1700 U	1700 U	1800 U	1700 U	1700 U	1700 U	3400 U	1700 U
THIONAZIN										
Pesticides/PCBs (ug/kg)										
4,4'-DDD	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**029**	**030**	**031**	**032**	**033**	**034**	**035**	**036**	**037**	**038**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS14	MPT-28-SS14	MPT-28-SS15	MPT-28-SS16	MPT-28-SS17	MPT-28-SS18	MPT-28-SS19	MPT-28-SS20	MPT-28-SS21	MPT-28-SS21
nsample	28SS01401	28SS01401-D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101-D
sample	28SS01401	28SS01401D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_029**	**c_030**	**c_031**	**c_032**	**c_033**	**c_034**	**c_035**	**c_036**	**c_037**	**c_038**
4,4'-DDE	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
4,4'-DDT	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
ALDRIN	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
ALPHA-BHC	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
AROCLOR-1016	35 U	35 U	35 U	35 U	37 U	36 U	36 U	35 U	35 U	36 U
AROCLOR-1221	72 U	71 U	71 U	72 U	75 U	73 U	74 U	71 U	65 U	73 U
AROCLOR-1232	72 U	71 U	71 U	71 U	75 U	73 U	74 U	71 U	65 U	73 U
AROCLOR-1242	35 U	35 U	35 U	35 U	37 U	36 U	36 U	35 U	35 U	36 U
AROCLOR-1248	35 U	35 U	35 U	35 U	37 U	36 U	36 U	35 U	35 U	36 U
AROCLOR-1254	18 U	18 U	18 U	18 U	19 U	18 U	18 U	18 U	18 U	18 U
AROCLOR-1260	18 U	18 U	18 U	18 U	19 U	18 U	18 U	18 U	18 U	18 U
BETA-BHC	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
CHLORDANE	7.2 U	7.1 U	7.1 U	7.2 U	7.5 U	7.3 U	7.4 U	7.1 U	6.5 U	7.3 U
CHLOROBENZILATE										
DELTA-BHC	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
DIALLATE										
DIELDRIN	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
ENDOSULFAN I	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
ENDOSULFAN II	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
ENDOSULFAN SULFATE	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
ENDRIN	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
ENDRIN ALDEHYDE	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
ENDRIN KETONE	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U
GAMMA-BHC (LINDANE)	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
HEPTACHLOR	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
HEPTACHLOR EPOXIDE	0.72 U	0.71 U	0.71 U	0.72 U	0.75 U	0.73 U	0.74 U	0.71 U	0.65 U	0.73 U
ISODRIN										
KEPONE	43 U	42 U	42 U	43 U	44 U	43 U	43 U	42 U	43 UJ	43 UJ
METHOXYCHLOR	2.9 U	2.9 U	2.9 U	2.9 U	3 U	2.9 U	3 U	2.9 U	2.9 U	2.9 U
SULFOTEPP										
TOXAPHENE	35 U	35 U	35 U	35 U	37 U	36 U	36 U	35 U	35 U	36 U
Herbicides (ug/kg)										
2,4,5-T										
2,4,5-TP (SILVEX)										
2,4-D										
ETHYL PARATHION										
FAMPHUR										
METHYL PARATHION										
Inorganics (mg/kg)										
ANTIMONY	0.47 UJ	0.47 UJ	0.47 UJ	0.48 UJ	0.89 J	0.48 UJ	0.48 UJ	0.48 UJ	0.48 U	0.48 U
ARSENIC	0.59 J	0.71 J	0.95 J	1.1 J	1.3 J	1.2 J	0.93 J	1.5 J	0.46 J	0.52 J
BARIUM	2.2 J	2.5 J	5.6 J	4.3 J	9.5 J	6 J	4.3 J	6.4 J	2.9 J	5.4 J
BERYLLIUM	0.04 J	0.06 J	0.08 J	0.1 J	0.13 J	0.12 J	0.04 U	0.05 J	0.12 J	0.13 J
CADMIUM	0.64 U	0.64 U	0.64 U	0.65 U	0.66 U	0.65 U	0.66 U	0.65 U	0.65 U	0.65 U
CHROMIUM	1.6 J	1.2 J	2.1 J	2 J	2.6	2.4	1.3 J	2.3	2.6	2.7

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**029**	**030**	**031**	**032**	**033**	**034**	**035**	**036**	**037**	**038**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS14	MPT-28-SS14	MPT-28-SS15	MPT-28-SS16	MPT-28-SS17	MPT-28-SS18	MPT-28-SS19	MPT-28-SS20	MPT-28-SS21	MPT-28-SS21
nsample	28SS01401	28SS01401-D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101-D
sample	28SS01401	28SS01401D	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/06/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_029**	**c_030**	**c_031**	**c_032**	**c_033**	**c_034**	**c_035**	**c_036**	**c_037**	**c_038**
COBALT	0.57 U	0.57 U	0.57 U	0.58 U	0.58 U	0.58 U	0.58 U	0.57 U	0.67 J	0.57 U
COPPER	0.85 U	0.85 U	0.85 U	1.3 J	1.2 J	0.86 U	1.5 J	0.86 U	0.86 U	0.86 U
LEAD	1.1 U	1.2 U	2.6	1 UJ	1.3 U	1.2 U	2.1	1 U	3 J	1.2 J
MERCURY	0.08 U	0.08 U	0.07 U	0.09 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
NICKEL	1.5 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U	1.6 U
SELENIUM	0.28 UJ	0.28 UJ	0.28 UJ	0.29 UJ	0.29 UJ	0.28 UJ	0.29 J	0.28 UJ	0.28 U	0.28 U
SILVER	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 UJ	0.45 U	0.44 U
THALLIUM	0.27 U	0.28 U	0.27 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U
TIN	3.6 J	2.3 J	4.4 J	2.6 J	2.4 J	2.7 J	3.1 J	2.4 J	3.3 J	4.4 J
VANADIUM	0.97 J	0.88 J	1.8 J	1.7 J	2.5 J	2.2 J	1.3 J	2.2 J	1.9 J	2.7 J
ZINC	1.7 J	1.2 J	3.9 J	2 J	2.3 J	2.2 J	2.9 J	1.8 J	0.93 U	1.2 U
Miscellaneous Parameters (mg/kg)										
CYANIDE	0.03 U	0.03 U	0.03 U	0.03 U	0.05 J	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
TOTAL ORGANIC CARBON										

order	**039**	**040**	**041**	**042**	**043**	**044**	**045**	**046**	**047**	**048**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS_BS22	MPT-28-SS23	MPT-28-SS24	MPT-28-SS25	MPT-28-SS26	MPT-28-SS27	MPT-28-SS28	MPT-28-SS29	MPT-28-SS30	MPT-28-SS30
nsample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001-D
sample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_039**	**c_040**	**c_041**	**c_042**	**c_043**	**c_044**	**c_045**	**c_046**	**c_047**	**c_048**
Volatile Organics (ug/kg)										
1,1,1,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,2,3-TRICHLOROPROPANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	110 U	110 U	110 U	110 U	120 U	110 U	110 U	110 U	110 U	110 U
1,2-DIBROMOETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
1,4-DIOXANE	220 R	210 R	210 R	210 R	240 R	210 R	210 R	210 R	210 R	210 R
2-BUTANONE	11 R	10 R	10 R	10 R	12 R	10 R	11 R	11 R	10 R	10 R
2-CHLOROETHYL VINYL ETHER	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
2-HEXANONE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
3-CHLOROPROPENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
4-CHLORO-3-METHYLPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	55 J	340 U	390 U
4-METHYL-2-PENTANONE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
ACETONE	33 U	32 U	25 U	26 U	110 J	34 U	15 U	29 U	10 U	10 U
ACETONITRILE	110 U	100 U	100 U	100 U	120 U	100 U	110 U	110 U	100 U	100 U
ACROLEIN	110 U	100 U	100 U	100 U	120 U	100 U	110 U	110 U	100 U	100 U
ACRYLONITRILE	110 U	100 U	100 U	100 U	120 U	100 U	110 U	110 U	100 U	100 U
BENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
BROMOFORM	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
BROMOMETHANE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
CARBON DISULFIDE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
CHLORODIBROMOMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
CHLOROETHANE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
CHLOROFORM	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
CHLOROMETHANE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
CHLOROPRENE	220 U	210 U	210 U	210 U	240 U	210 U	210 U	210 U	210 U	210 U
CIS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
DIBROMOMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
DICHLORODIFLUOROMETHANE	11 UJ	10 UJ	10 UJ	10 UJ	12 UJ	10 UJ	11 UJ	11 UJ	10 UJ	10 UJ
ETHYL METHACRYLATE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
ETHYLBENZENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
ISOBUTANOL	220 U	210 U	210 U	210 U	240 U	210 U	210 U	210 U	210 U	210 U
METHACRYLONITRILE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U

order	**039**	**040**	**041**	**042**	**043**	**044**	**045**	**046**	**047**	**048**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS_BS22	MPT-28-SS23	MPT-28-SS24	MPT-28-SS25	MPT-28-SS26	MPT-28-SS27	MPT-28-SS28	MPT-28-SS29	MPT-28-SS30	MPT-28-SS30
nsample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001-D
sample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_039**	**c_040**	**c_041**	**c_042**	**c_043**	**c_044**	**c_045**	**c_046**	**c_047**	**c_048**
METHYL IODIDE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
METHYL METHACRYLATE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
METHYLENE CHLORIDE	7 U	7 U	6 U	6 U	13 U	6 U	6 U	7 U	6 U	6 U
PENTACHLOROETHANE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
PROPIONITRILE	110 U	100 U	100 U	100 U	120 U	100 U	110 U	110 U	100 U	100 U
STYRENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
TOLUENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
TOTAL 1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
TOTAL XYLENES	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
TRANS-1,4-DICHLORO-2-BUTENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROETHENE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
TRICHLOROFLUOROMETHANE	5 U	5 U	5 U	5 U	6 U	5 U	5 U	5 U	5 U	5 U
VINYL ACETATE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
VINYL CHLORIDE	11 U	10 U	10 U	10 U	12 U	10 U	11 U	11 U	10 U	10 U
Semivolatile Organics (ug/kg)										
1,2,4,5-TETRACHLOROBENZENE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
1,2,4-TRICHLOROBENZENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
1,2-DIPHENYLHYDRAZINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
1,3,5-TRINITROBENZENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
1,3-DINITROBENZENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
1,4-NAPHTHOQUINONE	35000 U	34000 U	35000 U	35000 U	35000 U	34000 U	35000 U	35000 U	34000 U	39000 U
1,4-PHENYLENEDIAMINE	17000 U	16000 U	17000 U	17000 U	17000 U	17000 U	17000 U	17000 U	16000 U	19000 U
1-NAPHTHYLAMINE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
2,2'-OXYBIS(1-CHLOROPROPANE)	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2,3,4,6-TETRACHLOROPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2,4,5-TRICHLOROPHENOL	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
2,4,6-TRICHLOROPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2,4-DICHLOROPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2,4-DIMETHYLPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2,4-DINITROPHENOL	1700 U	1600 U	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1600 UJ	1900 UJ
2,4-DINITROTOLUENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2,6-DICHLOROPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2,6-DINITROTOLUENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2-ACETYLAMINOFLUORENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2-CHLORONAPHTHALENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2-CHLOROPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	89 J	340 U	390 U
2-METHYLNAPHTHALENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2-METHYLPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2-NAPHTHYLAMINE	1700 UJ	1600 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1600 UJ	1900 U
2-NITROANILINE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
2-NITROPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
2-PICOLINE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
3&4-METHYLPHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U

order	**039**	**040**	**041**	**042**	**043**	**044**	**045**	**046**	**047**	**048**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS_BS22	MPT-28-SS23	MPT-28-SS24	MPT-28-SS25	MPT-28-SS26	MPT-28-SS27	MPT-28-SS28	MPT-28-SS29	MPT-28-SS30	MPT-28-SS30
nsample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001-D
sample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_039**	**c_040**	**c_041**	**c_042**	**c_043**	**c_044**	**c_045**	**c_046**	**c_047**	**c_048**
3,3'-DICHLOROBENZIDINE	700 U	680 U	710 U	690 U	700 U	690 U	700 U	690 U	680 U	790 UJ
3,3'-DIMETHYLBENZIDINE	350 UJ	340 UJ	350 UJ	350 UJ	350 UJ	340 UJ	350 UJ	350 UJ	340 UJ	390 UJ
3-METHYLCHOLANTHRENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
3-NITROANILINE	1700 UJ	1600 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1600 UJ	1900 UJ
4,6-DINITRO-2-METHYLPHENOL	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
4-AMINOBIPHENYL	1700 UJ	1600 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1600 UJ	1900 UJ
4-BROMOPHENYL PHENYL ETHER	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
4-CHLORO-3-METHYLPHENOL										
4-CHLOROANILINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 UJ
4-CHLOROPHENYL PHENYL ETHER	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
4-METHYLPHENOL										
4-NITROANILINE	1700 U	1600 U	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1600 UJ	1900 U
4-NITROPHENOL	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
4-NITROQUINOLINE-1-OXIDE	17000 UJ	16000 UJ	17000 UJ	17000 UJ	17000 UJ	17000 UJ	17000 UJ	17000 UJ	16000 UJ	19000 UJ
5-NITRO-O-TOLUIDINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
A,A-DIMETHYLPHENETHYLAMINE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
ACENAPHTHENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
ACENAPHTHYLENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
ACETOPHENONE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
ANILINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
ANTHRACENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
ARAMITE	1700 U	1600 U	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1600 UJ	1900 U
BENZIDINE	1700 UJ	1600 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1700 UJ	1600 UJ	1900 UJ
BENZO(A)ANTHRACENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
BENZO(A)PYRENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
BENZO(B)FLUORANTHENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
BENZO(G,H,I)PERYLENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
BENZO(K)FLUORANTHENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
BENZOIC ACID	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
BENZYL ALCOHOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
BIS(2-CHLOROETHOXY)METHANE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
BIS(2-CHLOROETHYL)ETHER	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
BIS(2-ETHYLHEXYL)PHTHALATE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
BUTYL BENZYL PHTHALATE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
CHLOROBENZILATE	21 U	21 U	22 U	21 U	21 U	21 U	21 U	21 U	21 U	24 U
CHRYSENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
DI-N-BUTYL PHTHALATE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
DI-N-OCTYL PHTHALATE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
DIALLATE	43 U	42 U	43 U	42 U	43 U	42 U	43 U	42 U	42 U	48 U
DIBENZO(A,H)ANTHRACENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
DIBENZOFURAN	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
DIETHYL PHTHALATE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
DIMETHOATE										
DIMETHYL PHTHALATE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**039**	**040**	**041**	**042**	**043**	**044**	**045**	**046**	**047**	**048**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS_BS22	MPT-28-SS23	MPT-28-SS24	MPT-28-SS25	MPT-28-SS26	MPT-28-SS27	MPT-28-SS28	MPT-28-SS29	MPT-28-SS30	MPT-28-SS30
nsample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001-D
sample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_039**	**c_040**	**c_041**	**c_042**	**c_043**	**c_044**	**c_045**	**c_046**	**c_047**	**c_048**
DINOSEB										
DISULFOTON										
ETHYL METHANE SULFONATE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
FLUORANTHENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
FLUORENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
HEXACHLOROBENZENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
HEXACHLOROBUTADIENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
HEXACHLOROCYCLOPENTADIENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
HEXACHLOROETHANE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
HEXACHLOROPHENE	17000 UJ	16000 UJ	17000 UJ	17000 UJ	17000 UJ	17000 UJ	17000 UJ	17000 UJ	16000 UJ	19000 UJ
HEXACHLOROPROPENE	1700 R	1600 R	1700 R	1700 R	1700 R	1700 R	1700 R	1700 R	1600 R	1900 R
INDENO(1,2,3-CD)PYRENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
ISODRIN	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
ISOPHORONE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
ISOSAFROLE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
METHAPYRILENE	1700 UJ	1600 UJ	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
METHYL METHANE SULFONATE	350 UJ	340 UJ	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
N-NITROSO-DI-N-BUTYLAMINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
N-NITROSO-DI-N-PROPYLAMINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
N-NITROSODIETHYLAMINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
N-NITROSODIMETHYLAMINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
N-NITROSODIPHENYLAMINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
N-NITROSOMETHYLETHYLAMINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
N-NITROSOMORPHOLINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
N-NITROSOPIPERIDINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
N-NITROSOPYRROLIDINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
NAPHTHALENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
NITROBENZENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
O,O,O-TRIETHYL PHOSPHOROTHIOATE										
O-TOLUIDINE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
P-(DIMETHYLAMINO)AZOBENZENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
PENTACHLOROBENZENE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
PENTACHLORONITROBENZENE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
PENTACHLOROPHENOL	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
PHENACETIN	350 UJ	340 UJ	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
PHENANTHRENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
PHENOL	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
PHORATE										
PRONAMIDE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	350 U	340 U	390 U
PYRENE	350 U	340 U	350 U	350 U	350 U	340 U	350 U	62 J	340 U	390 U
PYRIDINE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
SAFROLE	1700 U	1600 U	1700 U	1700 U	1700 U	1700 U	1700 U	1700 U	1600 U	1900 U
THIONAZIN										
Pesticides/PCBs (ug/kg)										
4,4'-DDD	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**039**	**040**	**041**	**042**	**043**	**044**	**045**	**046**	**047**	**048**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS_BS22	MPT-28-SS23	MPT-28-SS24	MPT-28-SS25	MPT-28-SS26	MPT-28-SS27	MPT-28-SS28	MPT-28-SS29	MPT-28-SS30	MPT-28-SS30
nsample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001-D
sample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_039**	**c_040**	**c_041**	**c_042**	**c_043**	**c_044**	**c_045**	**c_046**	**c_047**	**c_048**
4,4'-DDE	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
4,4'-DDT	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U
ALDRIN	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
ALPHA-BHC	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
AROCLOR-1016	35 U	34 U	35 U	36 U	35 U	34 U	35 U	36 U	34 U	39 U
AROCLOR-1221	71 U	69 U	65 U	72 U	71 U	70 U	71 U	72 U	69 U	80 U
AROCLOR-1232	71 U	69 U	65 U	72 U	71 U	70 U	71 U	72 U	69 U	80 U
AROCLOR-1242	35 U	34 U	35 U	36 U	35 U	34 U	35 U	36 U	34 U	39 U
AROCLOR-1248	35 U	34 U	35 U	36 U	35 U	34 U	35 U	36 U	34 U	39 U
AROCLOR-1254	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	20 U
AROCLOR-1260	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	18 U	20 U
BETA-BHC	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U
CHLORDANE	7.1 U	6.9 U	6.5 U	7.2 U	7.1 U	7 U	7.1 U	7.2 U	6.9 U	8 U
CHLOROBENZILATE										
DELTA-BHC	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
DIALLATE										
DIELDRIN	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
ENDOSULFAN I	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
ENDOSULFAN II	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U
ENDOSULFAN SULFATE	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U
ENDRIN	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U
ENDRIN ALDEHYDE	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U
ENDRIN KETONE	1.4 U	1.3 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.4 U	1.3 U	1.5 U
GAMMA-BHC (LINDANE)	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
HEPTACHLOR	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
HEPTACHLOR EPOXIDE	0.71 U	0.69 U	0.65 U	0.72 U	0.71 U	0.7 U	0.71 U	0.72 U	0.69 U	0.8 U
ISODRIN										
KEPONE	42 UJ	41 UJ	43 UJ	42 UJ	42 UJ	42 UJ	42 UJ	42 UJ	41 UJ	48 UJ
METHOXYCHLOR	2.9 U	2.8 U	2.9 U	2.9 U	2.9 U	2.8 U	2.9 U	2.9 U	2.8 U	3.2 U
SULFOTEPP										
TOXAPHENE	35 U	34 U	35 U	36 U	35 U	34 U	35 U	36 U	34 U	39 U
Herbicides (ug/kg)										
2,4,5-T										
2,4,5-TP (SILVEX)										
2,4-D										
ETHYL PARATHION										
FAMPHUR										
METHYL PARATHION										
Inorganics (mg/kg)										
ANTIMONY	0.47 U	0.47 U	0.47 U	0.47 U	0.47 U	0.46 U	0.47 U	0.47 U	0.46 UJ	0.46 U
ARSENIC	0.58 J	0.82 J	1.1 J	0.53 J	0.49 J	0.56 J	0.67 J	0.75 J	0.77 J	0.6 J
BARIUM	4 J	4.6 J	7.1 J	6.5 J	3.5 J	4.8 J	5.8 J	4.2 J	5.4 J	6.2 J
BERYLLIUM	0.1 J	0.13 J	0.13 J	0.16 J	0.1 J	0.11 J	0.1 J	0.12 J	0.1 J	0.15 J
CADMIUM	0.64 U	0.64 U	0.64 U	0.64 U	0.64 U	0.63 U	0.64 U	0.64 U	0.63 U	0.63 U
CHROMIUM	3.1	1.9 J	3.9	2.1 J	2.4	2.6	3.1	2 J	2.4	3

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**039**	**040**	**041**	**042**	**043**	**044**	**045**	**046**	**047**	**048**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou										
swmu	28	28	28	28	28	28	28	28	28	28
location	MPT-28-SS_BS22	MPT-28-SS23	MPT-28-SS24	MPT-28-SS25	MPT-28-SS26	MPT-28-SS27	MPT-28-SS28	MPT-28-SS29	MPT-28-SS30	MPT-28-SS30
nsample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001-D
sample	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901	28SS03001	28SS03001D
matrix	SS	SS	SS	SS	SS	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0	0 - 0
sample_dat	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94	08/05/94
validated	N	N	N	N	N	N	N	N	N	N
sort	**c_039**	**c_040**	**c_041**	**c_042**	**c_043**	**c_044**	**c_045**	**c_046**	**c_047**	**c_048**
COBALT	0.57 U	0.56 U	0.95 J	0.59 J	0.56 U	0.58 J	0.61 J	0.57 U	0.56 U	0.56 U
COPPER	0.85 U	1.2 J	2.2 J	0.87 J	0.84 U	1 J	4.1 J	0.84 U	1.8 J	2.6 J
LEAD	0.87 J	0.43 UJ	0.83 J	0.51 J	0.92 J	1.5 J	0.9 J	1 J	0.42 UJ	1 J
MERCURY	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.07 U	0.08 U	0.08 U	0.08 U	0.08 U
NICKEL	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U
SELENIUM	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 UJ	0.28 U
SILVER	0.44 U	0.43 U	0.43 U	0.48 J	0.44 U	0.43 U	0.61 J	0.44 U	0.43 U	0.43 U
THALLIUM	0.28 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U	0.27 U
TIN	2.3 J	3.3 J	3.5 J	2.7 J	3.8 J	4.5 J	3.3 J	3 J	3.5 J	3.2 J
VANADIUM	2.2 J	1.9 J	3.8 J	1.5 J	1.6 J	2.1 J	2.1 J	1.5 J	1.8 J	1.8 J
ZINC	1 U	0.7 U	1.6 U	1.35 U	0.56 U	0.88 U	3.4 J	1.35 U	1.2 U	0.56 U
Miscellaneous Parameters (mg/kg)										
CYANIDE	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U	0.03 U
TOTAL ORGANIC CARBON										

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**049**	**050**	**051**	**052**	**053**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou					
swmu	28	28	28	28	28
location	MPT-28-SS_BS31	MPT-28-SS32	MPT-28-SS33	SWMU 28	SWMU 28
nsample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
sample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
matrix	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 1
sample_dat	08/06/94	08/06/94	08/06/94	08/10/94	08/10/94
validated	N	N	N	N	N
sort	**c_049**	**c_050**	**c_051**	**c_052**	**c_053**
Volatile Organics (ug/kg)					
1,1,1,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 R	6 R
1,1,1-TRICHLOROETHANE	5 U	5 U	5 U	5 U	6 U
1,1,2,2-TETRACHLOROETHANE	5 U	5 U	5 U	5 U	6 U
1,1,2-TRICHLOROETHANE	5 U	5 U	5 U	5 U	6 U
1,1-DICHLOROETHANE	5 U	5 U	5 U	5 U	6 U
1,1-DICHLOROETHENE	5 U	5 U	5 U	5 U	6 U
1,2,3-TRICHLOROPROPANE	5 U	5 U	5 U	5 R	6 R
1,2-DIBROMO-3-CHLOROPROPANE	110 U	120 U	110 U	10 R	11 R
1,2-DIBROMOETHANE	5 U	5 U	5 U	5 R	6 R
1,2-DICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U
1,2-DICHLOROETHANE	5 U	5 U	5 U	5 U	6 U
1,2-DICHLOROPROPANE	5 U	5 U	5 U	5 U	6 U
1,3-DICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U
1,4-DICHLOROBENZENE	5 U	5 U	5 U	5 U	6 U
1,4-DIOXANE	220 R	220 R	210 R	520 R	550 R
2-BUTANONE	11 R	11 R	10 R	10 U	11 U
2-CHLOROETHYL VINYL ETHER	11 U	11 U	10 U	10 U	11 U
2-HEXANONE	11 U	11 U	10 U	10 U	11 U
3-CHLOROPROPENE	5 U	5 U	5 U		
4-CHLORO-3-METHYLPHENOL	350 U	360 U	350 U	3600 U	370 U
4-METHYL-2-PENTANONE	11 U	11 U	10 U	10 U	11 U
ACETONE	24 UJ	24 UJ	27 UJ	10 U	11 U
ACETONITRILE	110 U	110 U	100 U	100 R	110 R
ACROLEIN	110 U	110 U	100 U	100 U	110 U
ACRYLONITRILE	110 U	110 U	100 U	100 U	110 U
BENZENE	5 U	5 U	5 U	5 U	6 U
BROMODICHLOROMETHANE	5 U	5 U	5 U	5 U	6 U
BROMOFORM	5 U	5 U	5 U	5 U	6 U
BROMOMETHANE	11 U	11 U	10 U	10 U	11 U
CARBON DISULFIDE	5 U	5 U	5 U	5 U	6 U
CARBON TETRACHLORIDE	5 U	5 U	5 U	5 U	6 U
CHLOROBENZENE	5 U	5 U	5 U	5 U	6 U
CHLORODIBROMOMETHANE	5 U	5 U	5 U	5 U	6 U
CHLOROETHANE	11 U	11 U	10 U	10 U	11 U
CHLOROFORM	5 U	5 U	5 U	5 U	6 U
CHLOROMETHANE	11 U	11 U	10 U	10 U	11 U
CHLOROPRENE	220 U	220 U	210 U		
CIS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	6 U
DIBROMOMETHANE	5 U	5 U	5 U	5 R	6 R
DICHLORODIFLUOROMETHANE	11 UJ	11 UJ	10 UJ	10 U	11 U
ETHYL METHACRYLATE	5 U	5 U	5 U	5 R	6 R
ETHYLBENZENE	5 U	5 U	5 U	5 U	6 U
ISOBUTANOL	220 U	220 U	210 U	210 R	220 R
METHACRYLONITRILE	5 U	5 U	5 U	21 R	22 R

order	**049**	**050**	**051**	**052**	**053**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou					
swmu	28	28	28	28	28
location	MPT-28-SS_BS31	MPT-28-SS32	MPT-28-SS33	SWMU 28	SWMU 28
nsample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
sample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
matrix	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 1
sample_dat	08/06/94	08/06/94	08/06/94	08/10/94	08/10/94
validated	N	N	N	N	N
sort	**c_049**	**c_050**	**c_051**	**c_052**	**c_053**
METHYL IODIDE	11 U	11 U	10 U	10 R	11 R
METHYL METHACRYLATE	11 U	11 U	10 U	10 R	11 R
METHYLENE CHLORIDE	7 U	15 U	17 U	4 J	6 U
PENTACHLOROETHANE	11 U	11 U	10 U	3600 U	370 U
PROPIONITRILE	110 U	110 U	100 U	100 R	110 R
STYRENE	5 U	5 U	5 U	5 U	6 U
TETRACHLOROETHENE	5 U	5 U	5 U	5 U	6 U
TOLUENE	5 U	5 U	5 U	5 U	6 U
TOTAL 1,2-DICHLOROETHENE	5 U	5 U	5 U	5 U	6 U
TOTAL XYLENES	5 U	5 U	5 U	5 U	6 U
TRANS-1,3-DICHLOROPROPENE	5 U	5 U	5 U	5 U	6 U
TRANS-1,4-DICHLORO-2-BUTENE	5 U	5 U	5 U	5 R	6 R
TRICHLOROETHENE	5 U	5 U	5 U	5 U	6 U
TRICHLOROFLUOROMETHANE	5 U	5 U	5 U	5 U	6 U
VINYL ACETATE	11 U	11 U	10 U	10 U	11 U
VINYL CHLORIDE	11 U	11 U	10 U	10 U	11 U
Semivolatile Organics (ug/kg)					
1,2,4,5-TETRACHLOROBENZENE	1700 U	1800 U	1700 U	18000 U	1800 U
1,2,4-TRICHLOROBENZENE	350 U	360 U	350 U	3600 U	370 U
1,2-DIPHENYLHYDRAZINE	350 U	360 UJ	350 UJ	3600 UJ	370 UJ
1,3,5-TRINITROBENZENE	350 U	360 U	350 U	3600 UJ	370 UJ
1,3-DINITROBENZENE	350 U	360 UJ	350 U	3600 UJ	370 UJ
1,4-NAPHTHOQUINONE	35000 U	36000 U	35000 U	350000 U	37000 U
1,4-PHENYLENEDIAMINE	17000 UJ	18000 UJ	17000 U	180000 UJ	18000 UJ
1-NAPHTHYLAMINE	1700 U	1800 U	1700 U	18000 U	1800 U
2,2'-OXYBIS(1-CHLOROPROPANE)	350 U	360 UJ	350 UJ	3600 UJ	370 UJ
2,3,4,6-TETRACHLOROPHENOL	350 U	360 U	350 U	3600 U	370 U
2,4,5-TRICHLOROPHENOL	1700 U	1800 U	1700 U	18000 U	1800 U
2,4,6-TRICHLOROPHENOL	350 U	360 U	350 U	3600 U	370 U
2,4-DICHLOROPHENOL	350 U	360 U	350 U	3600 U	370 U
2,4-DIMETHYLPHENOL	350 U	360 U	350 U	3600 U	370 U
2,4-DINITROPHENOL	1700 UJ	1800 U	1700 U	18000 U	1800 U
2,4-DINITROTOLUENE	350 U	360 U	350 U	3600 U	370 U
2,6-DICHLOROPHENOL	350 U	360 U	350 U	3600 U	370 U
2,6-DINITROTOLUENE	350 U	360 U	350 U	3600 U	370 U
2-ACETYLAMINOFLUORENE	350 U	360 U	350 U	3600 U	370 U
2-CHLORONAPHTHALENE	350 U	360 U	350 U	3600 U	370 U
2-CHLOROPHENOL	350 U	360 U	350 U	3600 U	370 U
2-METHYLNAPHTHALENE	350 U	360 U	350 U	3600 U	370 U
2-METHYLPHENOL	350 U	360 U	350 U	3600 U	370 U
2-NAPHTHYLAMINE	1700 U	1800 U	1700 U	18000 U	1800 U
2-NITROANILINE	1700 U	1800 UJ	1700 U	18000 UJ	1800 UJ
2-NITROPHENOL	350 U	360 U	350 U	3600 U	370 U
2-PICOLINE	1700 U	1800 U	1700 U	18000 U	1800 U
3&4-METHYLPHENOL	350 U	360 U	350 U	3600 U	370 U

order	**049**	**050**	**051**	**052**	**053**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou					
swmu	28	28	28	28	28
location	MPT-28-SS_BS31	MPT-28-SS32	MPT-28-SS33	SWMU 28	SWMU 28
nsample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
sample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
matrix	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 1
sample_dat	08/06/94	08/06/94	08/06/94	08/10/94	08/10/94
validated	N	N	N	N	N
sort	**c_049**	**c_050**	**c_051**	**c_052**	**c_053**
3,3'-DICHLOROBENZIDINE	710 UJ	720 U	700 U	7200 U	750 U
3,3'-DIMETHYLBENZIDINE	350 U	360 U	350 U	3600 U	370 U
3-METHYLCHOLANTHRENE	350 U	360 U	350 U	3600 U	370 U
3-NITROANILINE	1700 U	1800 U	1700 U	18000 U	1800 U
4,6-DINITRO-2-METHYLPHENOL	1700 U	1800 U	1700 U	18000 U	1800 U
4-AMINOBIPHENYL	1700 U	1800 U	1700 U	18000 U	1800 U
4-BROMOPHENYL PHENYL ETHER	350 U	360 U	350 U	3600 U	370 U
4-CHLORO-3-METHYLPHENOL					
4-CHLOROANILINE	350 U	360 U	350 U	3600 U	370 U
4-CHLOROPHENYL PHENYL ETHER	350 U	360 U	350 U	3600 U	370 U
4-METHYLPHENOL					
4-NITROANILINE	1700 U	1800 U	1700 U	18000 UJ	1800 UJ
4-NITROPHENOL	1700 UJ	1800 U	1700 U	18000 UJ	1800 UJ
4-NITROQUINOLINE-1-OXIDE	17000 R	18000 U	17000 U	180000 U	18000 U
5-NITRO-O-TOLUIDINE	350 U	360 U	350 U	3600 U	370 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	350 U	360 U	350 U	3600 U	370 U
A,A-DIMETHYLPHENETHYLAMINE	1700 U	1800 UJ	1700 UJ	18000 UJ	1800 UJ
ACENAPHTHENE	350 U	360 U	350 U	3600 U	370 U
ACENAPHTHYLENE	350 U	360 U	350 U	3600 U	370 U
ACETOPHENONE	350 U	360 U	350 U	3600 U	370 U
ANILINE	350 U	360 UJ	350 UJ	3600 U	370 U
ANTHRACENE	350 U	360 U	350 U	3600 U	370 U
ARAMITE	1700 UJ	1800 U	1700 U	18000 U	1800 U
BENZIDINE	1700 U	1800 U	1700 U	18000 U	1800 U
BENZO(A)ANTHRACENE	350 U	360 U	350 U	3600 U	370 U
BENZO(A)PYRENE	350 U	360 U	350 U	3600 U	370 U
BENZO(B)FLUORANTHENE	350 U	360 U	350 U	3600 U	370 U
BENZO(G,H,I)PERYLENE	350 U	360 U	350 U	3600 U	370 U
BENZO(K)FLUORANTHENE	350 U	360 U	350 U	3600 U	370 U
BENZOIC ACID	1700 U	1800 UJ	1700 UJ	18000 U	1800 U
BENZYL ALCOHOL	350 U	360 U	350 U	3600 U	370 U
BIS(2-CHLOROETHOXY)METHANE	350 U	360 U	350 U	3600 U	370 U
BIS(2-CHLOROETHYL)ETHER	350 U	360 U	350 U	3600 U	370 U
BIS(2-ETHYLHEXYL)PHTHALATE	350 U	360 U	350 U	3600 U	370 U
BUTYL BENZYL PHTHALATE	350 U	360 U	350 U	3600 U	370 U
CHLOROBENZILATE	22 U	22 U	21 U	22 U	22 U
CHRYSENE	350 U	360 U	350 U	3600 U	370 U
DI-N-BUTYL PHTHALATE	350 U	360 U	350 U	3600 U	370 U
DI-N-OCTYL PHTHALATE	350 U	360 U	350 U	3600 U	370 U
DIALLATE	43 U	44 U	42 U	43 U	45 U
DIBENZO(A,H)ANTHRACENE	350 U	360 U	350 U	3600 U	370 U
DIBENZOFURAN	350 U	360 U	350 U	3600 U	370 U
DIETHYL PHTHALATE	350 U	360 U	350 U	3600 U	370 U
DIMETHOATE					
DIMETHYL PHTHALATE	350 U	360 U	350 U	3600 U	370 U

order	**049**	**050**	**051**	**052**	**053**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou					
swmu	28	28	28	28	28
location	MPT-28-SS_BS31	MPT-28-SS32	MPT-28-SS33	SWMU 28	SWMU 28
nsample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
sample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
matrix	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 1
sample_dat	08/06/94	08/06/94	08/06/94	08/10/94	08/10/94
validated	N	N	N	N	N
sort	**c_049**	**c_050**	**c_051**	**c_052**	**c_053**
DINOSEB					
DISULFOTON					
ETHYL METHANE SULFONATE	350 U	360 U	350 U	3600 U	370 U
FLUORANTHENE	350 U	360 U	350 U	3600 U	370 U
FLUORENE	350 U	360 U	350 U	3600 U	370 U
HEXACHLOROBENZENE	350 U	360 U	350 U	3600 U	370 U
HEXACHLOROBUTADIENE	350 U	360 U	350 U	3600 U	370 U
HEXACHLOROCYCLOPENTADIENE	350 UJ	360 U	350 U	3600 U	370 U
HEXACHLOROETHANE	350 U	360 U	350 U	3600 U	370 U
HEXACHLOROPHENE	17000 R	18000 U	17000 R	180000 U	18000 U
HEXACHLOROPROPENE	1700 U	1800 U	1700 U	18000 U	1800 U
INDENO(1,2,3-CD)PYRENE	350 U	360 U	350 U	3600 U	370 U
ISODRIN	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
ISOPHORONE	350 U	360 U	350 U	3600 U	370 U
ISOSAFROLE	1700 U	1800 U	1700 U	18000 U	1800 U
METHAPYRILENE	1700 UJ	1800 U	1700 UJ	18000 UJ	1800 UJ
METHYL METHANE SULFONATE	350 U	360 U	350 U	3600 U	370 U
N-NITROSO-DI-N-BUTYLAMINE	350 U	360 U	350 U	3600 U	370 U
N-NITROSO-DI-N-PROPYLAMINE	350 U	360 U	350 U	3600 U	370 U
N-NITROSODIETHYLAMINE	350 U	360 U	350 U	3600 U	370 U
N-NITROSODIMETHYLAMINE	350 U	360 U	350 U	3600 U	370 U
N-NITROSODIPHENYLAMINE	350 U	360 U	350 U	3600 U	370 U
N-NITROSOMETHYLETHYLAMINE	350 U	360 U	350 U	3600 U	370 U
N-NITROSOMORPHOLINE	350 U	360 U	350 U	3600 U	370 U
N-NITROSOPIPERIDINE	350 U	360 U	350 U	3600 U	370 U
N-NITROSOPYRROLIDINE	350 U	360 U	350 U	3600 U	370 U
NAPHTHALENE	350 U	360 U	350 U	3600 U	370 U
NITROBENZENE	350 U	360 U	350 U	3600 U	370 U
O,O,O-TRIETHYL PHOSPHOROTHIOATE					
O-TOLUIDINE	350 U	360 U	350 U	3600 U	370 U
P-(DIMETHYLAMINO)AZOBENZENE	350 U	360 U	350 U	3600 U	370 U
PENTACHLOROBENZENE	1700 U	1800 U	1700 U	18000 U	1800 U
PENTACHLORONITROBENZENE	1700 U	1800 U	1700 U	18000 U	1800 U
PENTACHLOROPHENOL	1700 U	1800 U	1700 U	18000 U	1800 U
PHENACETIN	350 U	360 U	350 U	3600 UJ	370 UJ
PHENANTHRENE	350 U	360 U	350 U	3600 U	370 U
PHENOL	350 U	360 U	350 U	3600 U	370 U
PHORATE					
PRONAMIDE	350 U	360 U	350 U	3600 U	370 U
PYRENE	350 U	360 U	350 U	3600 U	370 U
PYRIDINE	1700 U	1800 U	1700 U	18000 U	1800 U
SAFROLE	1700 U	1800 U	1700 U	18000 U	1800 U
THIONAZIN					
Pesticides/PCBs (ug/kg)					
4,4'-DDD	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U

order	**049**	**050**	**051**	**052**	**053**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou					
swmu	28	28	28	28	28
location	MPT-28-SS_BS31	MPT-28-SS32	MPT-28-SS33	SWMU 28	SWMU 28
nsample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
sample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
matrix	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 1
sample_dat	08/06/94	08/06/94	08/06/94	08/10/94	08/10/94
validated	N	N	N	N	N
sort	**c_049**	**c_050**	**c_051**	**c_052**	**c_053**
4,4'-DDE	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
4,4'-DDT	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
ALDRIN	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
ALPHA-BHC	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
AROCLOR-1016	35 U	36 U	35 U	35 U	37 U
AROCLOR-1221	72 U	73 U	71 U	72 U	75 U
AROCLOR-1232	72 U	73 U	71 U	72 U	75 U
AROCLOR-1242	35 U	36 U	35 U	35 U	37 U
AROCLOR-1248	35 U	36 U	35 U	35 U	37 U
AROCLOR-1254	18 U	18 U	18 U	18 U	19 U
AROCLOR-1260	18 U	18 U	18 U	18 U	19 U
BETA-BHC	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
CHLORDANE	7.2 U	7.3 U	7.1 U	7.2 U	7.5 U
CHLOROBENZILATE					
DELTA-BHC	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
DIALLATE					
DIELDRIN	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
ENDOSULFAN I	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
ENDOSULFAN II	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
ENDOSULFAN SULFATE	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
ENDRIN	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
ENDRIN ALDEHYDE	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
ENDRIN KETONE	1.4 U	1.4 U	1.4 U	1.4 U	1.5 U
GAMMA-BHC (LINDANE)	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
HEPTACHLOR	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
HEPTACHLOR EPOXIDE	0.72 U	0.73 U	0.71 U	0.72 U	0.75 U
ISODRIN					
KEPONE	43 UJ	43 UJ	42 UJ	43 UJ	45 UJ
METHOXYCHLOR	2.9 U	2.9 U	2.8 U	2.9 U	3 U
SULFOTEPP					
TOXAPHENE	35 U	36 U	35 U	35 U	37 U
Herbicides (ug/kg)					
2,4,5-T					
2,4,5-TP (SILVEX)					
2,4-D					
ETHYL PARATHION					
FAMPHUR					
METHYL PARATHION					
Inorganics (mg/kg)					
ANTIMONY	0.47 UJ	0.48 UJ	0.47 UJ	0.48 UJ	0.5 UJ
ARSENIC	0.55 J	3.2	0.9 J	1.2 J	1.2 J
BARIUM	7.9 J	5.3 J	8.9 J	6.6 J	7.5 J
BERYLLIUM	0.11 U	0.07 U	0.09 U	0.08 J	0.2 J
CADMIUM	0.64 U	0.66 U	0.64 U	0.66 U	0.67 U
CHROMIUM	2.7	2.2	2.5	3.5	5

from so28_sam.dbf
from so28_res.dbf
from so28_res.xls
from q:\sql_server\mayport\upload

order	**049**	**050**	**051**	**052**	**053**
aoc	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD	DRMO YARD
ou					
swmu	28	28	28	28	28
location	MPT-28-SS_BS31	MPT-28-SS32	MPT-28-SS33	SWMU 28	SWMU 28
nsample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
sample	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
matrix	SS	SS	SS	SS	SS
depth_rang	0 - 0	0 - 0	0 - 0	0 - 1	0 - 1
sample_dat	08/06/94	08/06/94	08/06/94	08/10/94	08/10/94
validated	N	N	N	N	N
sort	**c_049**	**c_050**	**c_051**	**c_052**	**c_053**
COBALT	0.57 U	0.58 U	0.56 U	0.58 U	1 J
COPPER	2.1 U	0.93 U	0.93 U	6.8	4.1 U
LEAD	1.7 J	2.4 J	5.6 J	6.1	3.2
MERCURY	0.08 U	0.08 U	0.08 U	0.08 U	0.09 U
NICKEL	1.5 U	1.6 U	1.5 U	1.6 U	1.6 J
SELENIUM	0.43 U	0.43 UJ	0.43 U	0.29 UJ	0.29 UJ
SILVER	0.48 J	0.45 U	0.78 J	0.45 U	0.46 U
THALLIUM	0.28 U	0.28 U	0.27 U	0.28 U	0.29 U
TIN	27.5	4.3 J	3 J	2 U	2.1 U
VANADIUM	2.1 J	1.6 J	2.2 J	6 J	5 J
ZINC	17.2	2.3 U	3.4 U	16.7	15
Miscellaneous Parameters (mg/kg)					
CYANIDE	0.03 U	0.03 U	0.03 U	0.03 U	0.04 U
TOTAL ORGANIC CARBON					

order	**001**	**002**	**007**	**014**	**015**	**008**	**009**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06,07	06,07
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	08G00101	08G00101_99	MPT-08-GW-01S-02	MPT-08-MW01SA	MPT-08-MW01SB	MPT-08-MW01S-01	MPT-08-MW01S-01A
sample	08G00101 03/05/99	08G00101 09/29/99	MPT-8-GW-01S-02	MPT-8-MW01S	MPT-8-MW01S	MPT-8-MW01S-01	MPT-8-MW01S-01
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	03/05/99	09/29/99	06/08/00	11/19/02	11/20/02	12/19/02	12/19/02
validated	F	F	L	Y	Y	Y	Y
cto_proj	190	190	120	253	253	4259	4259
proj_manag	JENKINS,A	JENKINS,A	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_001**	**c_002**	**c_007**	**c_014**	**c_015**	**c_008**	**c_009**
Volatile Organics (ug/L)							
1,1,1,2-TETRACHLOROETHANE			1 U		5 U		
1,1,1-TRICHLOROETHANE			1 U		5 U		
1,1,2,2-TETRACHLOROETHANE			1 U		5 U		
1,1,2-TRICHLOROETHANE			1 U		5 U		
1,1-DICHLOROETHANE			1 U		5 U		
1,1-DICHLOROETHENE			1 U		5 U		
1,2,3-TRICHLOROPROPANE			1 U		5 U		
1,2-DIBROMO-3-CHLOROPROPANE			1 U		5 U		
1,2-DIBROMOETHANE			1 U		5 U		
1,2-DICHLOROBENZENE	1 U	1 U			5 U		
1,2-DICHLOROETHANE			1 U		5 U		
1,2-DICHLOROPROPANE			1 U		5 U		
1,3-DICHLOROBENZENE	1 U	1 U			5 U		
1,4-DICHLOROBENZENE	1 U	1 U			5 U		
1,4-DIOXANE							
2-BUTANONE			10 U		10 UR		
2-CHLOROETHYL VINYL ETHER			1 U		10 U		
2-HEXANONE			10 U		10 U		
3-CHLOROPROPENE			1 U		5 U		
4-CHLORO-3-METHYLPHENOL							
4-METHYL-2-PENTANONE			10 U		10 U		
ACETONE			1.6 J		10 U		
ACETONITRILE			20 U		50 UR		
ACROLEIN			10 U		25 UR		
ACRYLONITRILE			10 U		50 U		
BENZENE	1 U	1 U	1 U		5 U		
BROMODICHLOROMETHANE			1 U		5 U		
BROMOFORM			1 U		5 U		
BROMOMETHANE			2 U		10 U		
CARBON DISULFIDE			1 U		2 J		
CARBON TETRACHLORIDE			1 U		5 U		
CHLOROBENZENE	1 U	1 U	1 U		5 U		
CHLORODIBROMOMETHANE			1 U		5 U		
CHLOROETHANE			1 U		10 U		
CHLOROFORM			1 U		5 U		
CHLOROMETHANE			1 U		10 U		
CHLOROPRENE			1 U		5 U		
CIS-1,2-DICHLOROETHENE			0.5 U		5 U		
CIS-1,3-DICHLOROPROPENE			1 U		5 U		
DIBROMOMETHANE			1 U		5 U		
DICHLORODIFLUOROMETHANE			1 U		5 U		
ETHANE	1 U	1 U				0.02 J	
ETHENE	1 U	1 U				0.005 UJ	
ETHYL METHACRYLATE			1 U		5 U		
ETHYLBENZENE	1 U	1 U	1 U		5 U		

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**007**	**014**	**015**	**008**	**009**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06,07	06,07
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	08G00101	08G00101_99	MPT-08-GW-01S-02	MPT-08-MW01SA	MPT-08-MW01SB	MPT-08-MW01S-01	MPT-08-MW01S-01A
sample	08G00101 03/05/99	08G00101 09/29/99	MPT-8-GW-01S-02	MPT-8-MW01S	MPT-8-MW01S	MPT-8-MW01S-01	MPT-8-MW01S-01
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	03/05/99	09/29/99	06/08/00	11/19/02	11/20/02	12/19/02	12/19/02
validated	F	F	L	Y	Y	Y	Y
cto_proj	190	190	120	253	253	4259	4259
proj_manag	JENKINS,A	JENKINS,A	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_001**	**c_002**	**c_007**	**c_014**	**c_015**	**c_008**	**c_009**
ISOBUTANOL			50 U		10 UR		
M+P-XYLENES	1 U	1 U			5 U		
METHACRYLONITRILE			1 U		5 UR		
METHANE	2	12	17			120 J	
METHYL IODIDE			1 U		5 U		
METHYL METHACRYLATE			1 U		5 U		
METHYL TERT-BUTYL ETHER	2 U	2 U	5 U				
METHYLENE CHLORIDE			0.16 J		10 U		
O-XYLENE	1 U	1 U			5 U		
PENTACHLOROETHANE					5 UJ		
PROPIONITRILE			4 U		50 UR		
STYRENE			1 U		5 U		
TETRACHLOROETHENE			1 U		5 UJ		
TOLUENE	1 U	1 U	1 U		5 U		
TOTAL 1,2-DICHLOROETHENE			1 U				
TOTAL XYLENES			1 U				
TRANS-1,2-DICHLOROETHENE			0.5 U		5 U		
TRANS-1,3-DICHLOROPROPENE			1 U		5 U		
TRANS-1,4-DICHLORO-2-BUTENE			1 U		5 U		
TRICHLOROETHENE			1 U		5 U		
TRICHLOROFLUOROMETHANE			2 U		5 UJ		
VINYL ACETATE			1 U		10 U		
VINYL CHLORIDE			1 U		10 U		
Semivolatile Organics (ug/L)							
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,2-DICHLOROBENZENE							
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE							
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE							
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1,4-PHENYLENEDIAMINE							
1-METHYLNAPHTHALENE	0.5 U	1 U	2 U		100 UJ		
1-NAPHTHYLAMINE							
2,2'-OXYBIS(1-CHLOROPROPANE)							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL							
2,4,6-TRICHLOROPHENOL							
2,4-DICHLOROPHENOL							
2,4-DIMETHYLPHENOL							
2,4-DINITROPHENOL							
2,4-DINITROTOLUENE							
2,6-DICHLOROPHENOL							

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**007**	**014**	**015**	**008**	**009**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06,07	06,07
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	08G00101	08G00101_99	MPT-08-GW-01S-02	MPT-08-MW01SA	MPT-08-MW01SB	MPT-08-MW01S-01	MPT-08-MW01S-01A
sample	08G00101 03/05/99	08G00101 09/29/99	MPT-8-GW-01S-02	MPT-8-MW01S	MPT-8-MW01S	MPT-8-MW01S-01	MPT-8-MW01S-01
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	03/05/99	09/29/99	06/08/00	11/19/02	11/20/02	12/19/02	12/19/02
validated	F	F	L	Y	Y	Y	Y
cto_proj	190	190	120	253	253	4259	4259
proj_manag	JENKINS,A	JENKINS,A	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_001**	**c_002**	**c_007**	**c_014**	**c_015**	**c_008**	**c_009**
2,6-DINITROTOLUENE							
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE							
2-CHLOROPHENOL							
2-METHYLNAPHTHALENE	0.5 U	1 U	2 U		11 U		
2-METHYLPHENOL							
2-NAPHTHYLAMINE							
2-NITROANILINE							
2-NITROPHENOL							
2-PICOLINE							
3&4-METHYLPHENOL							
3,3'-DICHLOROBENZIDINE							
3,3'-DIMETHYLBENZIDINE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE							
4,6-DINITRO-2-METHYLPHENOL							
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER							
4-CHLORO-3-METHYLPHENOL							
4-CHLOROANILINE							
4-CHLOROPHENYL PHENYL ETHER							
4-METHYLPHENOL							
4-NITROANILINE							
4-NITROPHENOL							
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE	0.5 U	0.5 U	1 U		11 U		
ACENAPHTHYLENE	1 U	1 U	1 U		11 U		
ACETOPHENONE							
ANILINE							
ANTHRACENE	0.05 U	0.05 U	0.1 U		11 U		
ARAMITE							
BENZIDINE							
BENZO(A)ANTHRACENE	0.05 U	0.05 U	0.1 U		11 U		
BENZO(A)PYRENE	0.05 U	0.05 U	0.1 U		11 U		
BENZO(B)FLUORANTHENE	0.1 U	0.1 U	0.1 U		11 U		
BENZO(G,H,I)PERYLENE	0.1 U	0.1 U	0.1 U		11 U		
BENZO(K)FLUORANTHENE	0.05 U	0.05 U	0.3 U		11 U		
BENZOIC ACID							
BENZYL ALCOHOL							
BIS(2-CHLOROETHOXY)METHANE							
BIS(2-CHLOROETHYL)ETHER							
BIS(2-ETHYLHEXYL)PHTHALATE							

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**007**	**014**	**015**	**008**	**009**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06,07	06,07
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	08G00101	08G00101_99	MPT-08-GW-01S-02	MPT-08-MW01SA	MPT-08-MW01SB	MPT-08-MW01S-01	MPT-08-MW01S-01A
sample	08G00101 03/05/99	08G00101 09/29/99	MPT-8-GW-01S-02	MPT-8-MW01S	MPT-8-MW01S	MPT-8-MW01S-01	MPT-8-MW01S-01
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	03/05/99	09/29/99	06/08/00	11/19/02	11/20/02	12/19/02	12/19/02
validated	F	F	L	Y	Y	Y	Y
cto_proj	190	190	120	253	253	4259	4259
proj_manag	JENKINS,A	JENKINS,A	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_001**	**c_002**	**c_007**	**c_014**	**c_015**	**c_008**	**c_009**
BUTYL BENZYL PHTHALATE							
CARBAZOLE							
CHLOROBENZILATE							
CHRYSENE	0.05 U	0.05 U	0.1 U		11 U		
DI-N-BUTYL PHTHALATE							
DI-N-OCTYL PHTHALATE							
DIALLATE							
DIBENZO(A,H)ANTHRACENE	0.1 U	0.1 U	0.1 U		11 U		
DIBENZOFURAN							
DIETHYL PHTHALATE							
DIMETHYL PHTHALATE							
DINOSEB							
DIPHENYLAMINE							
ETHYL METHANE SULFONATE							
FLUORANTHENE	0.1 U	0.1 U	0.2 U		11 U		
FLUORENE	0.1 U	0.1 U	2 U		11 U		
HEXACHLOROBENZENE							
HEXACHLOROBUTADIENE							
HEXACHLOROCYCLOPENTADIENE							
HEXACHLOROETHANE							
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE	0.05 U	0.05 U	0.1 U		11 U		
ISODRIN							
ISOPHORONE							
ISOSAFROLE							
METHAPYRILENE							
METHYL METHANE SULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE							
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE							
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE	0.5 U	0.5 U	2 U		11 U		
NITROBENZENE							
O-TOLUIDINE							
P-(DIMETHYLAMINO)AZOBENZENE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL							
PHENACETIN							

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**007**	**014**	**015**	**008**	**009**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06,07	06,07
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	08G00101	08G00101_99	MPT-08-GW-01S-02	MPT-08-MW01SA	MPT-08-MW01SB	MPT-08-MW01S-01	MPT-08-MW01S-01A
sample	08G00101 03/05/99	08G00101 09/29/99	MPT-8-GW-01S-02	MPT-8-MW01S	MPT-8-MW01S	MPT-8-MW01S-01	MPT-8-MW01S-01
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	03/05/99	09/29/99	06/08/00	11/19/02	11/20/02	12/19/02	12/19/02
validated	F	F	L	Y	Y	Y	Y
cto_proj	190	190	120	253	253	4259	4259
proj_manag	JENKINS,A	JENKINS,A	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_001**	**c_002**	**c_007**	**c_014**	**c_015**	**c_008**	**c_009**
PHENANTHRENE	0.05	1 U	1 U		11 U		
PHENOL							
PRONAMIDE							
PYRENE	0.05 U	0.05 U	0.1 U		11 U		
PYRIDINE							
SAFROLE							
SULFOTEPP							
THIONAZIN							
Pesticides/PCBs (ug/L)							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-BHC							
AROCLOR-1016							
AROCLOR-1221							
AROCLOR-1232							
AROCLOR-1242							
AROCLOR-1248							
AROCLOR-1254							
AROCLOR-1260							
BETA-BHC							
CHLORDANE							
DELTA-BHC							
DIELDRIN							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							
GAMMA-BHC (LINDANE)							
HEPTACHLOR							
HEPTACHLOR EPOXIDE							
KEPONE							
METHOXYCHLOR							
TOXAPHENE							
Inorganics (ug/L)							
ANTIMONY							
ARSENIC							
BARIUM							
BERYLLIUM							
CADMIUM							
CALCIUM							
CHROMIUM							
COBALT							

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**007**	**014**	**015**	**008**	**009**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06,07	06,07
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	08G00101	08G00101_99	MPT-08-GW-01S-02	MPT-08-MW01SA	MPT-08-MW01SB	MPT-08-MW01S-01	MPT-08-MW01S-01A
sample	08G00101 03/05/99	08G00101 09/29/99	MPT-8-GW-01S-02	MPT-8-MW01S	MPT-8-MW01S	MPT-8-MW01S-01	MPT-8-MW01S-01
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL
sample_dat	03/05/99	09/29/99	06/08/00	11/19/02	11/20/02	12/19/02	12/19/02
validated	F	F	L	Y	Y	Y	Y
cto_proj	190	190	120	253	253	4259	4259
proj_manag	JENKINS,A	JENKINS,A	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_001**	**c_002**	**c_007**	**c_014**	**c_015**	**c_008**	**c_009**
COPPER							
IRON				815			826
LEAD							
MAGNESIUM							
MANGANESE				34.5			26.6
MERCURY							
NICKEL							
SELENIUM							
SILVER							
SODIUM							
THALLIUM							
TIN							
VANADIUM							
ZINC							
Miscellaneous Parameters (ug/L)							
ALKALINITY				180000			170000
AMMONIA				170			
CARBON DIOXIDE						11000 J	
CHLORIDE				17000			16000
CYANIDE							
DISSOLVED ORGANIC CARBON				4800			
FRACTION ORGANIC CARBON				34000			
HARDNESS							
NITRATE				100 UJ			100 U
NITRITE				100 U			100 U
NITRITE/NITRATE							
NITROGEN						18000 J	
OIL & GREASE							
ORTHOPHOSPHATE				100 UJ			100 UJ
OXYGEN						1200 J	
PHOSPHORUS (ELEMENTAL)							
SULFATE				39000 J			29000
SULFIDE	1000 U	1000 U					
TOTAL DISSOLVED SOLIDS							
TOTAL KJELDAHL NITROGEN							
TOTAL ORGANIC CARBON				5800			
Petroleum Hydrocarbons (ug/L)							
TOTAL PETROLEUM HYDROCARBONS	200 U	200 U	500 U		180 UJ		

from magw_sam.dbf
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from magw_res.xls
from q:\sql_server\mayport\upload

order	**010**	**012**	**011**	**013**	**016**	**017**	**018**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06, 0	06, 0
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	MPT-08-MW01S-01B	MPT-08-MW01S-02	MPT-08-MW01S-01C	MPT-08-MW01S-03-GW	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
sample	MPT-8-MW01S-01	MPT-8-MW01S-02	MPT-8-MW01S-01	MPT-8-MW01S-03	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
sample_dat	01/08/03	01/13/03	01/15/03	02/10/03	05/20/03	09/05/03	09/05/03
validated	Y	Y	Y	Y	Y	L	L
cto_proj	4259	4259	4259	4259	4259	N4259	N4259
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_010**	**c_012**	**c_011**	**c_013**	**c_016**	**c_017**	**c_018**
Volatile Organics (ug/L)							
1,1,1,2-TETRACHLOROETHANE							
1,1,1-TRICHLOROETHANE							
1,1,2,2-TETRACHLOROETHANE							
1,1,2-TRICHLOROETHANE							
1,1-DICHLOROETHANE							
1,1-DICHLOROETHENE							
1,2,3-TRICHLOROPROPANE							
1,2-DIBROMO-3-CHLOROPROPANE							
1,2-DIBROMOETHANE							
1,2-DICHLOROBENZENE							
1,2-DICHLOROETHANE							
1,2-DICHLOROPROPANE							
1,3-DICHLOROBENZENE							
1,4-DICHLOROBENZENE							
1,4-DIOXANE							
2-BUTANONE							
2-CHLOROETHYL VINYL ETHER							
2-HEXANONE							
3-CHLOROPROPENE							
4-CHLORO-3-METHYLPHENOL							
4-METHYL-2-PENTANONE							
ACETONE							
ACETONITRILE							
ACROLEIN							
ACRYLONITRILE							
BENZENE							
BROMODICHLOROMETHANE							
BROMOFORM							
BROMOMETHANE							
CARBON DISULFIDE							
CARBON TETRACHLORIDE							
CHLOROBENZENE							
CHLORODIBROMOMETHANE							
CHLOROETHANE							
CHLOROFORM							
CHLOROMETHANE							
CHLOROPRENE							
CIS-1,2-DICHLOROETHENE							
CIS-1,3-DICHLOROPROPENE							
DIBROMOMETHANE							
DICHLORODIFLUOROMETHANE							
ETHANE		0.015			0.013	0.007	0.0055 J
ETHENE		0.006			0.005	0.007	0.0048
ETHYL METHACRYLATE							
ETHYLBENZENE							

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from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**010**	**012**	**011**	**013**	**016**	**017**	**018**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06, 0	06, 0
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	MPT-08-MW01S-01B	MPT-08-MW01S-02	MPT-08-MW01S-01C	MPT-08-MW01S-03-GW	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
sample	MPT-8-MW01S-01	MPT-8-MW01S-02	MPT-8-MW01S-01	MPT-8-MW01S-03	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
sample_dat	01/08/03	01/13/03	01/15/03	02/10/03	05/20/03	09/05/03	09/05/03
validated	Y	Y	Y	Y	Y	L	L
cto_proj	4259	4259	4259	4259	4259	N4259	N4259
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_010**	**c_012**	**c_011**	**c_013**	**c_016**	**c_017**	**c_018**
ISOBUTANOL							
M+P-XYLENES							
METHACRYLONITRILE							
METHANE		87			180	66	64.5
METHYL IODIDE							
METHYL METHACRYLATE							
METHYL TERT-BUTYL ETHER							
METHYLENE CHLORIDE							
O-XYLENE							
PENTACHLOROETHANE							
PROPIONITRILE							
STYRENE							
TETRACHLOROETHENE							
TOLUENE							
TOTAL 1,2-DICHLOROETHENE							
TOTAL XYLENES							
TRANS-1,2-DICHLOROETHENE							
TRANS-1,3-DICHLOROPROPENE							
TRANS-1,4-DICHLORO-2-BUTENE							
TRICHLOROETHENE							
TRICHLOROFLUOROMETHANE							
VINYL ACETATE							
VINYL CHLORIDE							
Semivolatile Organics (ug/L)							
1,2,4,5-TETRACHLOROBENZENE							
1,2,4-TRICHLOROBENZENE							
1,2-DICHLOROBENZENE							
1,2-DIPHENYLHYDRAZINE							
1,3,5-TRINITROBENZENE							
1,3-DICHLOROBENZENE							
1,3-DINITROBENZENE							
1,4-DICHLOROBENZENE							
1,4-DIOXANE							
1,4-NAPHTHOQUINONE							
1,4-PHENYLENEDIAMINE							
1-METHYLNAPHTHALENE							
1-NAPHTHYLAMINE							
2,2'-OXYBIS(1-CHLOROPROPANE)							
2,3,4,6-TETRACHLOROPHENOL							
2,4,5-TRICHLOROPHENOL							
2,4,6-TRICHLOROPHENOL							
2,4-DICHLOROPHENOL							
2,4-DIMETHYLPHENOL							
2,4-DINITROPHENOL							
2,4-DINITROTOLUENE							
2,6-DICHLOROPHENOL							

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**010**	**012**	**011**	**013**	**016**	**017**	**018**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06, 0	06, 0
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	MPT-08-MW01S-01B	MPT-08-MW01S-02	MPT-08-MW01S-01C	MPT-08-MW01S-03-GW	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
sample	MPT-8-MW01S-01	MPT-8-MW01S-02	MPT-8-MW01S-01	MPT-8-MW01S-03	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
sample_dat	01/08/03	01/13/03	01/15/03	02/10/03	05/20/03	09/05/03	09/05/03
validated	Y	Y	Y	Y	Y	L	L
cto_proj	4259	4259	4259	4259	4259	N4259	N4259
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_010**	**c_012**	**c_011**	**c_013**	**c_016**	**c_017**	**c_018**
2,6-DINITROTOLUENE							
2-ACETYLAMINOFLUORENE							
2-CHLORONAPHTHALENE							
2-CHLOROPHENOL							
2-METHYLNAPHTHALENE							
2-METHYLPHENOL							
2-NAPHTHYLAMINE							
2-NITROANILINE							
2-NITROPHENOL							
2-PICOLINE							
3&4-METHYLPHENOL							
3,3'-DICHLOROBENZIDINE							
3,3'-DIMETHYLBENZIDINE							
3-METHYLCHOLANTHRENE							
3-METHYLPHENOL							
3-NITROANILINE							
4,6-DINITRO-2-METHYLPHENOL							
4-AMINOBIPHENYL							
4-BROMOPHENYL PHENYL ETHER							
4-CHLORO-3-METHYLPHENOL							
4-CHLOROANILINE							
4-CHLOROPHENYL PHENYL ETHER							
4-METHYLPHENOL							
4-NITROANILINE							
4-NITROPHENOL							
4-NITROQUINOLINE-1-OXIDE							
5-NITRO-O-TOLUIDINE							
7,12-DIMETHYLBENZ(A)ANTHRACENE							
A,A-DIMETHYLPHENETHYLAMINE							
ACENAPHTHENE							
ACENAPHTHYLENE							
ACETOPHENONE							
ANILINE							
ANTHRACENE							
ARAMITE							
BENZIDINE							
BENZO(A)ANTHRACENE							
BENZO(A)PYRENE							
BENZO(B)FLUORANTHENE							
BENZO(G,H,I)PERYLENE							
BENZO(K)FLUORANTHENE							
BENZOIC ACID							
BENZYL ALCOHOL							
BIS(2-CHLOROETHOXY)METHANE							
BIS(2-CHLOROETHYL)ETHER							
BIS(2-ETHYLHEXYL)PHTHALATE							

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from q:\sql_server\mayport\upload

order	**010**	**012**	**011**	**013**	**016**	**017**	**018**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06, 0	06, 0
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	MPT-08-MW01S-01B	MPT-08-MW01S-02	MPT-08-MW01S-01C	MPT-08-MW01S-03-GW	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
sample	MPT-8-MW01S-01	MPT-8-MW01S-02	MPT-8-MW01S-01	MPT-8-MW01S-03	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
sample_dat	01/08/03	01/13/03	01/15/03	02/10/03	05/20/03	09/05/03	09/05/03
validated	Y	Y	Y	Y	Y	L	L
cto_proj	4259	4259	4259	4259	4259	N4259	N4259
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_010**	**c_012**	**c_011**	**c_013**	**c_016**	**c_017**	**c_018**
BUTYL BENZYL PHTHALATE							
CARBAZOLE							
CHLOROBENZILATE							
CHRYSENE							
DI-N-BUTYL PHTHALATE							
DI-N-OCTYL PHTHALATE							
DIALLATE							
DIBENZO(A,H)ANTHRACENE							
DIBENZOFURAN							
DIETHYL PHTHALATE							
DIMETHYL PHTHALATE							
DINOSEB							
DIPHENYLAMINE							
ETHYL METHANE SULFONATE							
FLUORANTHENE							
FLUORENE							
HEXACHLOROBENZENE							
HEXACHLOROBUTADIENE							
HEXACHLOROCYCLOPENTADIENE							
HEXACHLOROETHANE							
HEXACHLOROPHENE							
HEXACHLOROPROPENE							
INDENO(1,2,3-CD)PYRENE							
ISODRIN							
ISOPHORONE							
ISOSAFROLE							
METHAPYRILENE							
METHYL METHANE SULFONATE							
N-NITROSO-DI-N-BUTYLAMINE							
N-NITROSO-DI-N-PROPYLAMINE							
N-NITROSODIETHYLAMINE							
N-NITROSODIMETHYLAMINE							
N-NITROSODIPHENYLAMINE							
N-NITROSOMETHYLETHYLAMINE							
N-NITROSOMORPHOLINE							
N-NITROSOPIPERIDINE							
N-NITROSOPYRROLIDINE							
NAPHTHALENE							
NITROBENZENE							
O-TOLUIDINE							
P-(DIMETHYLAMINO)AZOBENZENE							
PENTACHLOROBENZENE							
PENTACHLOROETHANE							
PENTACHLORONITROBENZENE							
PENTACHLOROPHENOL							
PHENACETIN							

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**010**	**012**	**011**	**013**	**016**	**017**	**018**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06, 0	06, 0
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	MPT-08-MW01S-01B	MPT-08-MW01S-02	MPT-08-MW01S-01C	MPT-08-MW01S-03-GW	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
sample	MPT-8-MW01S-01	MPT-8-MW01S-02	MPT-8-MW01S-01	MPT-8-MW01S-03	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
sample_dat	01/08/03	01/13/03	01/15/03	02/10/03	05/20/03	09/05/03	09/05/03
validated	Y	Y	Y	Y	Y	L	L
cto_proj	4259	4259	4259	4259	4259	N4259	N4259
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_010**	**c_012**	**c_011**	**c_013**	**c_016**	**c_017**	**c_018**
PHENANTHRENE							
PHENOL							
PRONAMIDE							
PYRENE							
PYRIDINE							
SAFROLE							
SULFOTEPP							
THIONAZIN							
Pesticides/PCBs (ug/L)							
4,4'-DDD							
4,4'-DDE							
4,4'-DDT							
ALDRIN							
ALPHA-BHC							
AROCLOR-1016							
AROCLOR-1221							
AROCLOR-1232							
AROCLOR-1242							
AROCLOR-1248							
AROCLOR-1254							
AROCLOR-1260							
BETA-BHC							
CHLORDANE							
DELTA-BHC							
DIELDRIN							
ENDOSULFAN I							
ENDOSULFAN II							
ENDOSULFAN SULFATE							
ENDRIN							
ENDRIN ALDEHYDE							
ENDRIN KETONE							
GAMMA-BHC (LINDANE)							
HEPTACHLOR							
HEPTACHLOR EPOXIDE							
KEPONE							
METHOXYCHLOR							
TOXAPHENE							
Inorganics (ug/L)							
ANTIMONY							
ARSENIC							
BARIUM							
BERYLLIUM							
CADMIUM							
CALCIUM							
CHROMIUM							
COBALT							

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**010**	**012**	**011**	**013**	**016**	**017**	**018**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND
swmu	06,07	06,07	06,07	06,07	06,07	06, 0	06, 0
location	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S	MPT-08-MW01S
nsample	MPT-08-MW01S-01B	MPT-08-MW01S-02	MPT-08-MW01S-01C	MPT-08-MW01S-03-GW	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
sample	MPT-8-MW01S-01	MPT-8-MW01S-02	MPT-8-MW01S-01	MPT-8-MW01S-03	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-AVG
matrix	GW	GW	GW	GW	GW	GW	GW
sacode	NORMAL	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	AVG
sample_dat	01/08/03	01/13/03	01/15/03	02/10/03	05/20/03	09/05/03	09/05/03
validated	Y	Y	Y	Y	Y	L	L
cto_proj	4259	4259	4259	4259	4259	N4259	N4259
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_010**	**c_012**	**c_011**	**c_013**	**c_016**	**c_017**	**c_018**
COPPER							
IRON		183		185 U	420		
LEAD							
MAGNESIUM							
MANGANESE		22.4		26.4	50.0 U		
MERCURY							
NICKEL							
SELENIUM							
SILVER							
SODIUM							
THALLIUM							
TIN							
VANADIUM							
ZINC							
Miscellaneous Parameters (ug/L)							
ALKALINITY		160000 J		170000	160000		
AMMONIA	280	380		390	260		
CARBON DIOXIDE		8900			7400	10000	10000
CHLORIDE		18000		17000	13000		
CYANIDE							
DISSOLVED ORGANIC CARBON		2700					
FRACTION ORGANIC CARBON		46000					
HARDNESS							
NITRATE		140 J		100 U	100 U		
NITRITE		100 UJ		100 UJ	100 U		
NITRITE/NITRATE					100 U		
NITROGEN		18000			17000	18000	18000
OIL & GREASE							
ORTHOPHOSPHATE		100 UJ		100 UJ	540		
OXYGEN		1100			3500	1200 J	1600 J
PHOSPHORUS (ELEMENTAL)							
SULFATE		31000		31000	36000		
SULFIDE							
TOTAL DISSOLVED SOLIDS							
TOTAL KJELDAHL NITROGEN							
TOTAL ORGANIC CARBON		2400	2900	3100	45000		
Petroleum Hydrocarbons (ug/L)							
TOTAL PETROLEUM HYDROCARBONS							

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**019**	**021**	**020**	**028**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	
swmu	06, 0	06,07	06,07	
location	MPT-08-MW01S	MPT-08-MW05S	MPT-08-MW05S	MPT-10-P01
nsample	MPT-8-MW01S-05-D	NTM_8MW5S	08MW005S	10OP001
sample	MPT-8-DU01-05	8MW5S	08MW005S	10OP001
matrix	GW	GW	GW	GW
sacode	DUP	NORMAL	NORMAL	NORMAL
sample_dat	09/05/03	01/27/93	07/26/94	08/24/94
validated	L	N	N	N
cto_proj	N4259			
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_019**	**c_021**	**c_020**	**c_028**
Volatile Organics (ug/L)				
1,1,1,2-TETRACHLOROETHANE		5 U	5 U	5 U
1,1,1-TRICHLOROETHANE		5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE		5 U	5 U	5 U
1,1,2-TRICHLOROETHANE		5 U	5 U	5 U
1,1-DICHLOROETHANE		5 U	5 U	5 U
1,1-DICHLOROETHENE		5 U	5 U	5 U
1,2,3-TRICHLOROPROPANE		5 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE		10 U	10 U	10 UJ
1,2-DIBROMOETHANE		5 U	5 U	5 UJ
1,2-DICHLOROBENZENE		5 U	5 U	5 U
1,2-DICHLOROETHANE		5 U	5 U	5 U
1,2-DICHLOROPROPANE		5 U	5 U	5 U
1,3-DICHLOROBENZENE		5 U	5 U	5 U
1,4-DICHLOROBENZENE		5 U	5 U	5 U
1,4-DIOXANE		200 R	200 R	200 R
2-BUTANONE		10 UJ	10 U	10 R
2-CHLOROETHYL VINYL ETHER		10 U	10 U	10 U
2-HEXANONE		10 U	10 U	10 U
3-CHLOROPROPENE		5 U	5 U	5 U
4-CHLORO-3-METHYLPHENOL		10 U	10 U	10 U
4-METHYL-2-PENTANONE		10 U	10 U	10 U
ACETONE		10 UJ	10 U	10 UJ
ACETONITRILE		100 U	100 UJ	100 UJ
ACROLEIN		100 U	100 UJ	100 U
ACRYLONITRILE		100 U	100 U	100 U
BENZENE		5 U	5 U	5 U
BROMODICHLOROMETHANE		5 U	5 U	5 U
BROMOFORM		5 U	5 U	5 U
BROMOMETHANE		10 U	10 U	10 U
CARBON DISULFIDE		5 U	5 U	5 U
CARBON TETRACHLORIDE		5 U	5 U	5 U
CHLOROBENZENE		5 U	5 U	5 U
CHLORODIBROMOMETHANE		5 U	5 U	5 U
CHLOROETHANE		10 U	10 U	10 U
CHLOROFORM		5 U	5 U	5 U
CHLOROMETHANE		10 U	10 U	10 U
CHLOROPRENE		200 U	200 UJ	200 U
CIS-1,2-DICHLOROETHENE				
CIS-1,3-DICHLOROPROPENE		5 U	5 U	5 U
DIBROMOMETHANE		5 U	5 U	5 U
DICHLORODIFLUOROMETHANE		10 U	10 U	10 U
ETHANE	0.004 J			
ETHENE	0.005 U			
ETHYL METHACRYLATE		5 U	5 U	5 U
ETHYLBENZENE		5 U	5 U	5 U

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**019**	**021**	**020**	**028**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	
swmu	06, 0	06,07	06,07	
location	MPT-08-MW01S	MPT-08-MW05S	MPT-08-MW05S	MPT-10-P01
nsample	MPT-8-MW01S-05-D	NTM_8MW5S	08MW005S	10OP001
sample	MPT-8-DU01-05	8MW5S	08MW005S	10OP001
matrix	GW	GW	GW	GW
sacode	DUP	NORMAL	NORMAL	NORMAL
sample_dat	09/05/03	01/27/93	07/26/94	08/24/94
validated	L	N	N	N
cto_proj	N4259			
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_019**	**c_021**	**c_020**	**c_028**
ISOBUTANOL		200 U	200 R	200 R
M+P-XYLENES				
METHACRYLONITRILE		5 U	5 U	5 UJ
METHANE	63			
METHYL IODIDE		10 U	10 U	10 U
METHYL METHACRYLATE		10 U	10 U	10 UJ
METHYL TERT-BUTYL ETHER				
METHYLENE CHLORIDE		5 U	5 U	5 U
O-XYLENE				
PENTACHLOROETHANE		10 U	10 U	10 UJ
PROPIONITRILE		100 U	100 UJ	100 UJ
STYRENE		5 U	5 U	5 U
TETRACHLOROETHENE		5 U	5 U	5 U
TOLUENE		5 U	5 U	5 U
TOTAL 1,2-DICHLOROETHENE		5 U	5 U	5 U
TOTAL XYLENES		5 U	5 U	5 U
TRANS-1,2-DICHLOROETHENE				
TRANS-1,3-DICHLOROPROPENE		5 U	5 U	5 U
TRANS-1,4-DICHLORO-2-BUTENE		5 U	5 U	5 U
TRICHLOROETHENE		5 U	5 U	5 U
TRICHLOROFLUOROMETHANE		5 U	5 U	5 U
VINYL ACETATE		10 U	10 U	10 U
VINYL CHLORIDE		10 U	10 U	10 U
Semivolatile Organics (ug/L)				
1,2,4,5-TETRACHLOROBENZENE		50 U	50 U	50 U
1,2,4-TRICHLOROBENZENE		10 U	10 U	10 U
1,2-DICHLOROBENZENE				
1,2-DIPHENYLHYDRAZINE		10 U	10 U	10 U
1,3,5-TRINITROBENZENE		10 U	10 U	10 UJ
1,3-DICHLOROBENZENE				
1,3-DINITROBENZENE		10 U	10 U	10 U
1,4-DICHLOROBENZENE				
1,4-DIOXANE				
1,4-NAPHTHOQUINONE		50 U	1000 UJ	1000 U
1,4-PHENYLENEDIAMINE		50 U	500 UJ	500 UJ
1-METHYLNAPHTHALENE				
1-NAPHTHYLAMINE		50 U	50 U	50 U
2,2'-OXYBIS(1-CHLOROPROPANE)		10 U	10 U	10 U
2,3,4,6-TETRACHLOROPHENOL		10 U	10 U	10 U
2,4,5-TRICHLOROPHENOL		50 U	50 U	50 U
2,4,6-TRICHLOROPHENOL		10 U	10 U	10 U
2,4-DICHLOROPHENOL		10 U	10 U	10 U
2,4-DIMETHYLPHENOL		10 U	10 U	10 U
2,4-DINITROPHENOL		50 U	50 U	50 U
2,4-DINITROTOLUENE		10 U	10 U	10 U
2,6-DICHLOROPHENOL		10 U	10 U	10 U

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**019**	**021**	**020**	**028**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	
swmu	06, 0	06,07	06,07	
location	MPT-08-MW01S	MPT-08-MW05S	MPT-08-MW05S	MPT-10-P01
nsample	MPT-8-MW01S-05-D	NTM_8MW5S	08MW005S	10OP001
sample	MPT-8-DU01-05	8MW5S	08MW005S	10OP001
matrix	GW	GW	GW	GW
sacode	DUP	NORMAL	NORMAL	NORMAL
sample_dat	09/05/03	01/27/93	07/26/94	08/24/94
validated	L	N	N	N
cto_proj	N4259			
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_019**	**c_021**	**c_020**	**c_028**
2,6-DINITROTOLUENE		10 U	10 U	10 U
2-ACETYLAMINOFLUORENE		10 U	10 U	10 U
2-CHLORONAPHTHALENE		10 U	10 U	10 U
2-CHLOROPHENOL		10 U	10 U	10 U
2-METHYLNAPHTHALENE		10 U	10 U	10 U
2-METHYLPHENOL		10 U	10 U	10 U
2-NAPHTHYLAMINE		50 U	50 U	50 U
2-NITROANILINE		50 U	50 U	50 U
2-NITROPHENOL		10 U	10 U	10 U
2-PICOLINE		50 U	50 U	50 U
3&4-METHYLPHENOL			29	10 U
3,3'-DICHLOROBENZIDINE		20 U	20 U	20 U
3,3'-DIMETHYLBENZIDINE		10 U	10 UJ	10 U
3-METHYLCHOLANTHRENE		10 U	10 UJ	10 U
3-METHYLPHENOL				
3-NITROANILINE		50 U	50 U	50 U
4,6-DINITRO-2-METHYLPHENOL		50 U	50 U	50 U
4-AMINOBIPHENYL		50 U	50 U	50 U
4-BROMOPHENYL PHENYL ETHER		10 U	10 U	10 U
4-CHLORO-3-METHYLPHENOL				
4-CHLOROANILINE		10 U	10 U	10 U
4-CHLOROPHENYL PHENYL ETHER		10 U	10 U	10 U
4-METHYLPHENOL				
4-NITROANILINE		50 U	50 U	50 U
4-NITROPHENOL		50 U	50 UJ	50 UJ
4-NITROQUINOLINE-1-OXIDE		10 U	500 UJ	500 R
5-NITRO-O-TOLUIDINE		10 U	10 U	10 U
7,12-DIMETHYLBENZ(A)ANTHRACENE		10 U	10 U	10 U
A,A-DIMETHYLPHENETHYLAMINE		50 U	50 U	50 U
ACENAPHTHENE		10 U	10 U	10 U
ACENAPHTHYLENE		10 U	10 U	10 U
ACETOPHENONE		10 U	10 U	10 U
ANILINE		10 U	10 UJ	10 U
ANTHRACENE		10 U	10 U	10 U
ARAMITE		50 U	50 U	50 U
BENZIDINE		50 U	50 UJ	50 U
BENZO(A)ANTHRACENE		10 U	10 U	10 U
BENZO(A)PYRENE		10 U	10 U	10 U
BENZO(B)FLUORANTHENE		10 U	10 U	10 U
BENZO(G,H,I)PERYLENE		10 U	10 UJ	10 U
BENZO(K)FLUORANTHENE		10 U	10 U	10 U
BENZOIC ACID		50 U	50 U	50 U
BENZYL ALCOHOL		10 U	10 U	10 U
BIS(2-CHLOROETHOXY)METHANE		10 U	10 U	10 U
BIS(2-CHLOROETHYL)ETHER		10 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE		10 U	10 U	10 U

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**019**	**021**	**020**	**028**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	
swmu	06, 0	06,07	06,07	
location	MPT-08-MW01S	MPT-08-MW05S	MPT-08-MW05S	MPT-10-P01
nsample	MPT-8-MW01S-05-D	NTM_8MW5S	08MW005S	10OP001
sample	MPT-8-DU01-05	8MW5S	08MW005S	10OP001
matrix	GW	GW	GW	GW
sacode	DUP	NORMAL	NORMAL	NORMAL
sample_dat	09/05/03	01/27/93	07/26/94	08/24/94
validated	L	N	N	N
cto_proj	N4259			
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_019**	**c_021**	**c_020**	**c_028**
BUTYL BENZYL PHTHALATE		10 U	10 U	10 U
CARBAZOLE				
CHLOROBENZILATE		0.5 U	0.5 U	0.5 U
CHRYSENE		10 U	10 U	10 U
DI-N-BUTYL PHTHALATE		10 U	10 U	10 U
DI-N-OCTYL PHTHALATE		10 U	10 U	10 U
DIALLATE		1 U	1 U	1 U
DIBENZO(A,H)ANTHRACENE		10 U	10 UJ	10 U
DIBENZOFURAN		10 U	10 U	10 U
DIETHYL PHTHALATE		10 U	10 U	10 U
DIMETHYL PHTHALATE		10 U	10 U	10 U
DINOSEB				
DIPHENYLAMINE		0		
ETHYL METHANE SULFONATE		10 U	10 U	10 U
FLUORANTHENE		10 U	10 U	10 U
FLUORENE		10 U	10 U	10 U
HEXACHLOROBENZENE		10 U	10 U	10 U
HEXACHLOROBUTADIENE		10 U	10 U	10 U
HEXACHLOROCYCLOPENTADIENE		10 U	10 U	10 U
HEXACHLOROETHANE		10 U	10 U	10 U
HEXACHLOROPHENE		50 U	500 R	500 R
HEXACHLOROPROPENE		50 U	50 UJ	50 U
INDENO(1,2,3-CD)PYRENE		10 U	10 UJ	10 U
ISODRIN		0.02 U	0.02 U	0.02 U
ISOPHORONE		10 U	10 U	10 U
ISOSAFROLE		50 U	50 U	50 U
METHAPYRILENE		50 U	50 UJ	50 U
METHYL METHANE SULFONATE		10 U	10 U	10 U
N-NITROSO-DI-N-BUTYLAMINE		10 U	10 U	10 U
N-NITROSO-DI-N-PROPYLAMINE		10 U	10 U	10 U
N-NITROSODIETHYLAMINE		10 U	10 U	10 U
N-NITROSODIMETHYLAMINE		10 U	10 U	10 U
N-NITROSODIPHENYLAMINE		10 U	10 U	10 U
N-NITROSOMETHYLETHYLAMINE		10 U	10 U	10 U
N-NITROSOMORPHOLINE		10 U	10 U	10 U
N-NITROSOPIPERIDINE		10 U	10 U	10 U
N-NITROSOPYRROLIDINE		10 U	10 U	10 U
NAPHTHALENE		10 U	10 U	10 U
NITROBENZENE		10 U	10 U	10 U
O-TOLUIDINE		10 U	10 U	10 U
P-(DIMETHYLAMINO)AZOBENZENE		10 U	10 U	10 U
PENTACHLOROBENZENE		50 U	50 U	50 U
PENTACHLOROETHANE				
PENTACHLORONITROBENZENE		50 U	50 U	50 U
PENTACHLOROPHENOL		50 U	50 U	50 U
PHENACETIN		10 U	10 U	10 U

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**019**	**021**	**020**	**028**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	
swmu	06, 0	06,07	06,07	
location	MPT-08-MW01S	MPT-08-MW05S	MPT-08-MW05S	MPT-10-P01
nsample	MPT-8-MW01S-05-D	NTM_8MW5S	08MW005S	10OP001
sample	MPT-8-DU01-05	8MW5S	08MW005S	10OP001
matrix	GW	GW	GW	GW
sacode	DUP	NORMAL	NORMAL	NORMAL
sample_dat	09/05/03	01/27/93	07/26/94	08/24/94
validated	L	N	N	N
cto_proj	N4259			
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_019**	**c_021**	**c_020**	**c_028**
PHENANTHRENE		10 U	10 U	10 U
PHENOL		10 U	10 U	10 U
PRONAMIDE		10 U	10 U	10 U
PYRENE		10 U	10 U	10 U
PYRIDINE		50 U	50 U	50 U
SAFROLE		50 U	50 U	50 U
SULFOTEPP				
THIONAZIN				
Pesticides/PCBs (ug/L)				
4,4'-DDD		0.04 U	0.04 U	0.04 U
4,4'-DDE		0.02 U	0.02 U	0.02 U
4,4'-DDT		0.04 U	0.04 U	0.04 U
ALDRIN		0.02 U	0.02 U	0.02 U
ALPHA-BHC		0.02 U	0.02 U	0.02 U
AROCLOR-1016		1 U	1 U	1 U
AROCLOR-1221		2 U	2 U	2 U
AROCLOR-1232		2 U	2 U	2 U
AROCLOR-1242		1 U	1 U	1 U
AROCLOR-1248		1 U	1 U	1 U
AROCLOR-1254		0.5 U	0.5 U	0.5 U
AROCLOR-1260		0.5 U	0.5 U	0.5 U
BETA-BHC		0.04 U	0.04 U	0.04 U
CHLORDANE		0.2 U	0.2 U	0.2 U
DELTA-BHC		0.02 U	0.02 U	0.02 U
DIELDRIN		0.02 U	0.02 U	0.02 U
ENDOSULFAN I		0.02 U	0.02 U	0.02 U
ENDOSULFAN II		0.04 U	0.04 U	0.04 U
ENDOSULFAN SULFATE		0.04 U	0.04 U	0.04 U
ENDRIN		0.04 U	0.04 U	0.04 U
ENDRIN ALDEHYDE		0.04 U	0.04 U	0.04 U
ENDRIN KETONE		0.02 U	0.04 U	0.04 U
GAMMA-BHC (LINDANE)		0.02 U	0.02 U	0.02 U
HEPTACHLOR		0.02 U	0.02 U	0.02 U
HEPTACHLOR EPOXIDE		0.02 U	0.02 U	0.02 U
KEPONE		1 U	1 UJ	1 U
METHOXYCHLOR		0.08 U	0.08 U	0.08 U
TOXAPHENE		1 U	1 U	1 U
Inorganics (ug/L)				
ANTIMONY		16.4 U	5.0 U	5.0 U
ARSENIC		2.9 J	0.6 U	1.4 J
BARIUM		6.5 J	1.4 U	4.7 J
BERYLLIUM		0.26 U	0.3 UJ	0.3 U
CADMIUM		2.8 U	1.0 U	1.0 U
CALCIUM		89500	84500 J	77900
CHROMIUM		6.6 J	2.6 UJ	2.6 U
COBALT		2.6 U	3.1 UJ	3.1 U

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

order	**019**	**021**	**020**	**028**
aoc	OWTP PERCOLA POND	OWTP PERCOLA POND	OWTP PERCOLA POND	
swmu	06, 0	06,07	06,07	
location	MPT-08-MW01S	MPT-08-MW05S	MPT-08-MW05S	MPT-10-P01
nsample	MPT-8-MW01S-05-D	NTM_8MW5S	08MW005S	10OP001
sample	MPT-8-DU01-05	8MW5S	08MW005S	10OP001
matrix	GW	GW	GW	GW
sacode	DUP	NORMAL	NORMAL	NORMAL
sample_dat	09/05/03	01/27/93	07/26/94	08/24/94
validated	L	N	N	N
cto_proj	N4259			
proj_manag	HANSEN,T	HANSEN,T	HANSEN,T	HANSEN,T
sort	**c_019**	**c_021**	**c_020**	**c_028**
COPPER		1.2 U	0.9 U	0.9 U
IRON		2760 J	78.6 UJ	46.7 J
LEAD		2.3 U	0.6 U	0.6 U
MAGNESIUM		15400	18800 U	11400
MANGANESE		39.9	23.6 UJ	4.5 J
MERCURY		0.07 U	0.1 U	0.1 U
NICKEL		9.4 U	5.9 UJ	5.9 U
SELENIUM		1.8 U	0.6 U	0.6 U
SILVER		2.0 U	2.1 U	2.1 U
SODIUM			31500 U	8910
THALLIUM		2.3 U	0.6 U	0.6 U
TIN		12.7 U	8.0 U	8.0 U
VANADIUM		7.2 J	1.5 UJ	4.4 J
ZINC		23.9 J	1.82 U	3.6 J
Miscellaneous Parameters (ug/L)				
ALKALINITY		250000	242000	207000
AMMONIA		200 U	1300	800 U
CARBON DIOXIDE	10000			
CHLORIDE		8500	31700	9100
CYANIDE		5 U	2.7 U	3.6 J
DISSOLVED ORGANIC CARBON				
FRACTION ORGANIC CARBON				
HARDNESS		288000	262000	252000
NITRATE				
NITRITE				
NITRITE/NITRATE				
NITROGEN	18000			
OIL & GREASE		1500	5000 U	5000 U
ORTHOPHOSPHATE				
OXYGEN	2000 J			
PHOSPHORUS (ELEMENTAL)		240	810	630
SULFATE		45200	36400	48000
SULFIDE		100 U	6000	1400
TOTAL DISSOLVED SOLIDS		388000	417000	349000
TOTAL KJELDAHL NITROGEN		600	3400	1700
TOTAL ORGANIC CARBON		4700	5200	36100
Petroleum Hydrocarbons (ug/L)				
TOTAL PETROLEUM HYDROCARBONS				

from magw_sam.dbf
from magw_res.dbf
from magw_res.xls
from q:\sql_server\mayport\upload

SWMU 56

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**
site							
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56	56	56	56	56	56
location	MPT-56-SS_BS01	MPT-56-SS_BS02	MPT-56-SS_BS03	MPT-56-SS_BS04	MPT-56-SS01	MPT-56-SS01	MPT-56-SS02
nsample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101-D	56SS00201
sample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101D	56SS00201
matrix	SB	SB	SB	SB	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP	NORMAL
depth_rang	4 - 4	4 - 4	4 - 4	5 - 5	0 - 0	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94
validated	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**
Volatile Organics (ug/kg)							
1,1,1,2-TETRACHLOROETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,1,1-TRICHLOROETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,1,2-TRICHLOROETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,1-DICHLOROETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,1-DICHLOROETHENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,2,3-TRICHLOROPROPANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	12 UJ	12 UJ	11 UJ	13 UJ	11 UJ	10 UJ	10 UJ
1,2-DIBROMOETHANE	6 UJ	6 UJ	6 UJ	7 UJ	5 UJ	5 UJ	5 UJ
1,2-DICHLOROBENZENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,2-DICHLOROETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,2-DICHLOROPROPANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,3-DICHLOROBENZENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,4-DICHLOROBENZENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
1,4-DIOXANE	250 R	230 R	230 R	260 R	210 R	210 R	210 R
2-BUTANONE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
2-CHLOROETHYL VINYL ETHER	12 UJ	12 U	11 U	13 U	11 U	10 UJ	10 UJ
2-HEXANONE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
3-CHLOROPROPENE	6 UJ	6 UJ	6 UJ	7 UJ	5 UJ	5 UJ	5 UJ
4-CHLORO-3-METHYLPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
4-METHYL-2-PENTANONE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
ACETONE	25	8 J	9 J	13 U	11 U	8 J	10 U
ACETONITRILE	120 U	120 U	110 U	130 U	110 U	100 U	100 U
ACROLEIN	120 U	120 U	110 U	130 U	110 U	100 U	100 U
ACRYLONITRILE	120 U	120 U	110 U	130 U	110 U	100 U	100 U
BENZENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
BROMODICHLOROMETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
BROMOFORM	6 U	6 U	6 U	7 U	5 U	5 U	5 U
BROMOMETHANE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
CARBON DISULFIDE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
CARBON TETRACHLORIDE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
CHLOROBENZENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
CHLORODIBROMOMETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
CHLOROETHANE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
CHLOROFORM	6 U	6 U	6 U	7 U	5 U	5 U	5 U
CHLOROMETHANE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
CHLOROPRENE	250 U	230 U	230 U	260 U	210 U	210 U	210 U
CIS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
DIBROMOMETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
DICHLORODIFLUOROMETHANE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
ETHYL METHACRYLATE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
ETHYLBENZENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
ISOBUTANOL	250 R	230 R	230 R	260 R	210 R	210 R	210 R

from so56_sam.dbf
from so56_res.dbf
from so56_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**
site							
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56	56	56	56	56	56
location	MPT-56-SS_BS01	MPT-56-SS_BS02	MPT-56-SS_BS03	MPT-56-SS_BS04	MPT-56-SS01	MPT-56-SS01	MPT-56-SS02
nsample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101-D	56SS00201
sample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101D	56SS00201
matrix	SB	SB	SB	SB	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP	NORMAL
depth_rang	4 - 4	4 - 4	4 - 4	5 - 5	0 - 0	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94
validated	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**
METHACRYLONITRILE	6 UJ	6 UJ	6 UJ	7 UJ	5 UJ	5 UJ	5 UJ
METHYL IODIDE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
METHYL METHACRYLATE	12 UJ	12 UJ	11 UJ	13 UJ	11 UJ	10 UJ	10 UJ
METHYLENE CHLORIDE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
PENTACHLOROETHANE	12 UJ	12 UJ	11 UJ	13 UJ	11 UJ	10 UJ	10 UJ
PROPIONITRILE	120 UJ	120 UJ	110 UJ	130 UJ	110 UJ	100 UJ	100 UJ
STYRENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
TETRACHLOROETHENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
TOLUENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
TOTAL 1,2-DICHLOROETHENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
TOTAL XYLENES	6 U	6 U	6 U	7 U	5 U	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
TRANS-1,4-DICHLORO-2-BUTENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
TRICHLOROETHENE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
TRICHLOROFLUOROMETHANE	6 U	6 U	6 U	7 U	5 U	5 U	5 U
VINYL ACETATE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
VINYL CHLORIDE	12 U	12 U	11 U	13 U	11 U	10 U	10 U
Semivolatile Organics (ug/kg)							
1,2,4,5-TETRACHLOROBENZENE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
1,2,4-TRICHLOROBENZENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
1,2-DIPHENYLHYDRAZINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
1,3,5-TRINITROBENZENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
1,3-DINITROBENZENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
1,4-NAPHTHOQUINONE	82000 U	77000 U	76000 U	87000 U	70000 U	69000 U	68000 U
1,4-PHENYLENEDIAMINE	41000 UJ	38000 UJ	38000 UJ	43000 UJ	35000 UJ	34000 UJ	34000 UJ
1-NAPHTHYLAMINE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
2,2'-OXYBIS(1-CHLOROPROPANE)	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2,3,4,6-TETRACHLOROPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2,4,5-TRICHLOROPHENOL	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
2,4,6-TRICHLOROPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2,4-DICHLOROPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2,4-DIMETHYLPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2,4-DINITROPHENOL	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
2,4-DINITROTOLUENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2,6-DICHLOROPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2,6-DINITROTOLUENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2-ACETYLAMINOFLUORENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2-CHLORONAPHTHALENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2-CHLOROPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2-METHYLNAPHTHALENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2-METHYLPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
2-NAPHTHYLAMINE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
2-NITROANILINE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
2-NITROPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U

from so56_sam.dbf
from so56_res.dbf
from so56_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**
site							
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56	56	56	56	56	56
location	MPT-56-SS_BS01	MPT-56-SS_BS02	MPT-56-SS_BS03	MPT-56-SS_BS04	MPT-56-SS01	MPT-56-SS01	MPT-56-SS02
nsample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101-D	56SS00201
sample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101D	56SS00201
matrix	SB	SB	SB	SB	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP	NORMAL
depth_rang	4 - 4	4 - 4	4 - 4	5 - 5	0 - 0	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94
validated	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**
2-PICOLINE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
3&4-METHYLPHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
3,3'-DICHLOROBENZIDINE	1600 U	1600 U	1500 U	1800 U	1400 U	1400 U	1400 U
3,3'-DIMETHYLBENZIDINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
3-METHYLCHOLANTHRENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
3-NITROANILINE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
4,6-DINITRO-2-METHYLPHENOL	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
4-AMINOBIPHENYL	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
4-BROMOPHENYL PHENYL ETHER	830 U	780 U	770 U	880 U	710 U	690 U	690 U
4-CHLOROANILINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
4-CHLOROPHENYL PHENYL ETHER	830 U	780 U	770 U	880 U	710 U	690 U	690 U
4-NITROANILINE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
4-NITROPHENOL	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
4-NITROQUINOLINE-1-OXIDE	41000 U	38000 U	38000 U	43000 U	35000 U	34000 U	34000 U
5-NITRO-O-TOLUIDINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
A,A-DIMETHYLPHENETHYLAMINE	4100 UJ	3800 UJ	3800 UJ	4300 UJ	3500 UJ	3400 UJ	3400 UJ
ACENAPHTHENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
ACENAPHTHYLENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
ACETOPHENONE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
ANILINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
ANTHRACENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
ARAMITE	4100 UJ	3800 UJ	3800 UJ	4300 UJ	3500 UJ	3400 UJ	3400 UJ
BENZIDINE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
BENZO(A)ANTHRACENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
BENZO(A)PYRENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
BENZO(B)FLUORANTHENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
BENZO(G,H,I)PERYLENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
BENZO(K)FLUORANTHENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
BENZOIC ACID	4100 UJ	3800 UJ	3800 UJ	4300 UJ	3500 UJ	3400 UJ	3400 UJ
BENZYL ALCOHOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
BIS(2-CHLOROETHOXY)METHANE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
BIS(2-CHLOROETHYL)ETHER	830 U	780 U	770 U	880 U	710 U	690 U	690 U
BIS(2-ETHYLHEXYL)PHTHALATE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
BUTYL BENZYL PHTHALATE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
CHLOROBENZILATE	25 U	23 U	23 U	26 U	21 U	21 U	21 U
CHRYSENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
DI-N-BUTYL PHTHALATE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
DI-N-OCTYL PHTHALATE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
DIALLATE	50 U	47 U	46 U	53 U	43 U	42 U	41 U
DIBENZO(A,H)ANTHRACENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
DIBENZOFURAN	830 U	780 U	770 U	880 U	710 U	690 U	690 U
DIETHYL PHTHALATE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
DIMETHYL PHTHALATE	830 U	780 U	770 U	880 U	710 U	690 U	690 U

from so56_sam.dbf
from so56_res.dbf
from so56_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**
site							
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56	56	56	56	56	56
location	MPT-56-SS_BS01	MPT-56-SS_BS02	MPT-56-SS_BS03	MPT-56-SS_BS04	MPT-56-SS01	MPT-56-SS01	MPT-56-SS02
nsample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101-D	56SS00201
sample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101D	56SS00201
matrix	SB	SB	SB	SB	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP	NORMAL
depth_rang	4 - 4	4 - 4	4 - 4	5 - 5	0 - 0	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94
validated	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**
ETHYL METHANE SULFONATE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
FLUORANTHENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
FLUORENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
HEXACHLOROBENZENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
HEXACHLOROBUTADIENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
HEXACHLOROCYCLOPENTADIENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
HEXACHLOROETHANE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
HEXACHLOROPHENE	41000 R	38000 R	38000 R	43000 R	35000 R	34000 R	34000 R
HEXACHLOROPROPENE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
INDENO(1,2,3-CD)PYRENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
ISODRIN	0.84 U	0.78 U	0.77 U	0.88 U	0.72 U	0.7 U	0.69 U
ISOPHORONE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
ISOSAFROLE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
METHAPYRILENE	4100 UJ	3800 UJ	3800 UJ	4300 UJ	3500 UJ	3400 UJ	3400 UJ
METHYL METHANE SULFONATE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
N-NITROSO-DI-N-BUTYLAMINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
N-NITROSO-DI-N-PROPYLAMINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
N-NITROSODIETHYLAMINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
N-NITROSODIMETHYLAMINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
N-NITROSODIPHENYLAMINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
N-NITROSOMETHYLETHYLAMINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
N-NITROSOMORPHOLINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
N-NITROSOPIPERIDINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
N-NITROSOPYRROLIDINE	830 UJ	780 UJ	770 UJ	880 UJ	710 UJ	690 UJ	690 UJ
NAPHTHALENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
NITROBENZENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
O-TOLUIDINE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
P-(DIMETHYLAMINO)AZOBENZENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
PENTACHLOROBENZENE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
PENTACHLORONITROBENZENE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
PENTACHLOROPHENOL	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
PHENACETIN	830 U	780 U	770 U	880 U	710 U	690 U	690 U
PHENANTHRENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
PHENOL	830 U	780 U	770 U	880 U	710 U	690 U	690 U
PRONAMIDE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
PYRENE	830 U	780 U	770 U	880 U	710 U	690 U	690 U
PYRIDINE	4100 UJ	3800 UJ	3800 UJ	4300 UJ	3500 UJ	3400 UJ	3400 UJ
SAFROLE	4100 U	3800 U	3800 U	4300 U	3500 U	3400 U	3400 U
Pesticides/PCBs (ug/kg)							
4,4'-DDD	1.6 U	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.3 U
4,4'-DDE	1.8	6.3	2.4	2.1	1 J	0.7 U	0.69 U
4,4'-DDT	1.6 U	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.3 U
ALDRIN	0.84 U	0.78 U	0.77 U	0.88 U	0.72 U	0.7 U	0.69 U
ALPHA-BHC	0.84 U	0.78 U	0.77 U	0.88 U	0.72 U	0.7 U	0.69 U

from so56_sam.dbf
from so56_res.dbf
from so56_res.xls
from q:\sql_server\mayport\upload

order	**001**	**002**	**003**	**004**	**005**	**006**	**007**
site							
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56	56	56	56	56	56
location	MPT-56-SS_BS01	MPT-56-SS_BS02	MPT-56-SS_BS03	MPT-56-SS_BS04	MPT-56-SS01	MPT-56-SS01	MPT-56-SS02
nsample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101-D	56SS00201
sample	56BS00104	56BS00204	56BS00304	56BS00405	56SS00101	56SS00101D	56SS00201
matrix	SB	SB	SB	SB	SS	SS	SS
sacode	NORMAL	NORMAL	NORMAL	NORMAL	ORIG	DUP	NORMAL
depth_rang	4 - 4	4 - 4	4 - 4	5 - 5	0 - 0	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94	09/01/94
validated	N	N	N	N	N	N	N
sort	**c_001**	**c_002**	**c_003**	**c_004**	**c_005**	**c_006**	**c_007**
AROCLOR-1016	41 U	38 U	38 U	43 U	35 U	34 U	34 U
AROCLOR-1221	84 U	78 U	77 U	88 U	72 U	70 U	69 U
AROCLOR-1232	84 U	78 U	77 U	88 U	72 U	70 U	69 U
AROCLOR-1242	41 U	38 U	38 U	43 U	35 U	34 U	34 U
AROCLOR-1248	41 U	38 U	38 U	43 U	35 U	34 U	34 U
AROCLOR-1254	20 U	19 U	18 U	21 U	17 U	17 U	17 U
AROCLOR-1260	20 U	19 U	18 U	21 U	17 U	17 U	17 U
BETA-BHC	1.6 U	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.3 U
CHLORDANE	8.4 U	7.8 U	7.7 U	8.8 U	7.2 U	7 U	6.9 U
DELTA-BHC	0.84 U	0.78 U	0.77 U	0.88 U	0.72 U	0.7 U	0.69 U
DIELDRIN	0.84 U	0.78 U	0.77 U	0.88 U	0.72 U	0.7 U	0.69 U
ENDOSULFAN I	0.84 U	0.78 U	0.77 U	0.88 U	0.72 U	0.7 U	0.69 U
ENDOSULFAN II	1.6 U	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.3 U
ENDOSULFAN SULFATE	1.6 U	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.3 U
ENDRIN	1.6 U	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.3 U
ENDRIN ALDEHYDE	1.6 U	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.3 U
ENDRIN KETONE	1.6 U	1.5 U	1.5 U	1.7 U	1.4 U	1.4 U	1.3 U
GAMMA-BHC (LINDANE)	0.84 U	0.78 U	0.77 U	0.88 U	0.72 U	0.7 U	0.69 U
HEPTACHLOR	0.84 U	0.78 U	0.77 U	0.88 U	0.72 U	0.7 U	0.69 U
HEPTACHLOR EPOXIDE	0.84 U	0.78 U	0.77 U	0.88 U	0.72 U	0.7 U	0.69 U
KEPONE	50 UJ	47 UJ	46 UJ	53 U	43 UJ	42 UJ	41 UJ
METHOXYCHLOR	3.4 U	3.1 U	3.1 U	3.6 U	2.9 U	2.8 U	2.8 U
TOXAPHENE	41 U	38 U	38 U	43 U	35 U	34 U	34 U
Inorganics (mg/kg)							
ANTIMONY	1.2 U	1.2 U	1.2 U	1.3 U	1.1 U	1 U	1 U
ARSENIC	0.55 J	0.61 J	0.48 J	0.42 J	0.94 J	0.94 J	0.62 J
BARIUM	3.1 J	2.5 J	2.4 U	3.2 J	7.4 J	12.9 J	4.5 J
BERYLLIUM	0.11 U	0.1 U	0.08 U	0.08 U	0.11 U	0.16 U	0.09 U
CADMIUM	0.25 U	0.23 U	0.23 U	0.26 U	0.39 J	2.1	0.21 U
CHROMIUM	2.1 U	1.7 U	2.2 U	2 U	7.2 J	17.6 J	3.7 J
COBALT	0.77 U	0.72 U	0.72 U	0.82 U	0.66 U	0.65 U	0.64 U
COPPER	1.7 U	1.3 U	1.7 UJ	1.7 UJ	6.8 J	25.7 J	2.4 J
LEAD	1.2 J	0.98 J	0.92 J	0.97 J	7.4 J	20.6 J	2.7 J
MERCURY	0.04 UJ	0.04 U	0.04 UJ	0.05 U	0.05 U	0.04 U	0.04 U
NICKEL	1.5 U	1.4 U	1.4 U	1.6 U	2.1 J	5.5 J	1.5 J
SELENIUM	0.15 UJ	0.14 UJ	0.14 UJ	0.16 UJ	0.15 J	0.12 UJ	0.12 UJ
SILVER	0.52 U	0.49 U	0.48 U	0.55 U	0.45 U	0.44 U	0.43 U
THALLIUM	0.15 U	0.14 U	0.14 U	0.16 U	0.13 U	0.12 U	0.12 U
TIN	2 U	1.9 U	1.8 U	2.1 U	1.7 U	1.7 U	1.7 U
VANADIUM	1.8 J	1.9 J	2 J	1.4 J	4.7 J	4.8 J	2.9 J
ZINC	3.8 U	5.4 J	3.9 U	6.7 J	24 J	88.8 J	8.4 J
Miscellaneous Parameters (mg/kg)							
CYANIDE	0.17 U	0.16 U	0.16 U	0.18 U	0.14 U	0.14 U	0.26 U

from so56_sam.dbf
from so56_res.dbf
from so56_res.xls
from q:\sql_server\mayport\upload

order	**008**	**009**
site		
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56
location	MPT-56-SS03	MPT-56-SS04
nsample	56SS00301	56SS00401
sample	56SS00301	56SS00401
matrix	SS	SS
sacode	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94
validated	N	N
sort	**c_008**	**c_009**
Volatile Organics (ug/kg)		
1,1,1,2-TETRACHLOROETHANE	5 U	5 U
1,1,1-TRICHLOROETHANE	5 U	5 U
1,1,2,2-TETRACHLOROETHANE	5 U	5 U
1,1,2-TRICHLOROETHANE	5 U	5 U
1,1-DICHLOROETHANE	5 U	5 U
1,1-DICHLOROETHENE	5 U	5 U
1,2,3-TRICHLOROPROPANE	5 U	5 U
1,2-DIBROMO-3-CHLOROPROPANE	11 UJ	10 UJ
1,2-DIBROMOETHANE	5 UJ	5 UJ
1,2-DICHLOROBENZENE	5 U	5 U
1,2-DICHLOROETHANE	5 U	5 U
1,2-DICHLOROPROPANE	5 U	5 U
1,3-DICHLOROBENZENE	5 U	5 U
1,4-DICHLOROBENZENE	5 U	5 U
1,4-DIOXANE	210 R	210 R
2-BUTANONE	11 U	10 U
2-CHLOROETHYL VINYL ETHER	11 U	10 U
2-HEXANONE	11 U	10 U
3-CHLOROPROPENE	5 UJ	5 UJ
4-CHLORO-3-METHYLPHENOL	700 U	700 U
4-METHYL-2-PENTANONE	11 U	10 U
ACETONE	11 U	10 U
ACETONITRILE	110 U	100 U
ACROLEIN	110 U	100 U
ACRYLONITRILE	110 U	100 U
BENZENE	5 U	5 U
BROMODICHLOROMETHANE	5 U	5 U
BROMOFORM	5 U	5 U
BROMOMETHANE	11 U	10 U
CARBON DISULFIDE	5 U	5 U
CARBON TETRACHLORIDE	5 U	5 U
CHLOROBENZENE	5 U	5 U
CHLORODIBROMOMETHANE	5 U	5 U
CHLOROETHANE	11 U	10 U
CHLOROFORM	5 U	5 U
CHLOROMETHANE	11 U	10 U
CHLOROPRENE	210 U	210 U
CIS-1,3-DICHLOROPROPENE	5 U	5 U
DIBROMOMETHANE	5 U	5 U
DICHLORODIFLUOROMETHANE	11 U	10 U
ETHYL METHACRYLATE	5 U	5 U
ETHYLBENZENE	5 U	5 U
ISOBUTANOL	210 R	210 R

from so56_sam.dbf
from so56_res.dbf
from so56_res.xls
from q:\sql_server\mayport\upload

order	**008**	**009**
site		
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56
location	MPT-56-SS03	MPT-56-SS04
nsample	56SS00301	56SS00401
sample	56SS00301	56SS00401
matrix	SS	SS
sacode	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94
validated	N	N
sort	**c_008**	**c_009**
METHACRYLONITRILE	5 UJ	5 UJ
METHYL IODIDE	11 U	10 U
METHYL METHACRYLATE	11 UJ	10 UJ
METHYLENE CHLORIDE	5 U	5 U
PENTACHLOROETHANE	11 UJ	10 UJ
PROPIONITRILE	110 UJ	100 UJ
STYRENE	5 U	5 U
TETRACHLOROETHENE	5 U	5 U
TOLUENE	5 U	5 U
TOTAL 1,2-DICHLOROETHENE	5 U	5 U
TOTAL XYLENES	5 U	5 U
TRANS-1,3-DICHLOROPROPENE	5 U	5 U
TRANS-1,4-DICHLORO-2-BUTENE	5 U	5 U
TRICHLOROETHENE	5 U	5 U
TRICHLOROFLUOROMETHANE	5 U	5 U
VINYL ACETATE	11 U	10 U
VINYL CHLORIDE	11 U	10 U
Semivolatile Organics (ug/kg)		
1,2,4,5-TETRACHLOROBENZENE	3500 U	3400 U
1,2,4-TRICHLOROBENZENE	700 U	700 U
1,2-DIPHENYLHYDRAZINE	700 U	700 U
1,3,5-TRINITROBENZENE	700 U	700 U
1,3-DINITROBENZENE	700 U	700 U
1,4-NAPHTHOQUINONE	69000 U	69000 U
1,4-PHENYLENEDIAMINE	35000 UJ	34000 UJ
1-NAPHTHYLAMINE	3500 U	3400 U
2,2'-OXYBIS(1-CHLOROPROPANE)	700 U	700 U
2,3,4,6-TETRACHLOROPHENOL	700 U	700 U
2,4,5-TRICHLOROPHENOL	3500 U	3400 U
2,4,6-TRICHLOROPHENOL	700 U	700 U
2,4-DICHLOROPHENOL	700 U	700 U
2,4-DIMETHYLPHENOL	700 U	700 U
2,4-DINITROPHENOL	3500 U	3400 U
2,4-DINITROTOLUENE	700 U	700 U
2,6-DICHLOROPHENOL	700 U	700 U
2,6-DINITROTOLUENE	700 U	700 U
2-ACETYLAMINOFLUORENE	700 U	700 U
2-CHLORONAPHTHALENE	700 U	700 U
2-CHLOROPHENOL	700 U	700 U
2-METHYLNAPHTHALENE	700 U	700 U
2-METHYLPHENOL	700 U	700 U
2-NAPHTHYLAMINE	3500 U	3400 U
2-NITROANILINE	3500 U	3400 U
2-NITROPHENOL	700 U	700 U

order	**008**	**009**
site		
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56
location	MPT-56-SS03	MPT-56-SS04
nsample	56SS00301	56SS00401
sample	56SS00301	56SS00401
matrix	SS	SS
sacode	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94
validated	N	N
sort	**c_008**	**c_009**
2-PICOLINE	3500 U	3400 U
3&4-METHYLPHENOL	700 U	700 U
3,3'-DICHLOROBENZIDINE	1400 U	1400 U
3,3'-DIMETHYLBENZIDINE	700 U	700 U
3-METHYLCHOLANTHRENE	700 U	700 U
3-NITROANILINE	3500 U	3400 U
4,6-DINITRO-2-METHYLPHENOL	3500 U	3400 U
4-AMINOBIPHENYL	3500 U	3400 U
4-BROMOPHENYL PHENYL ETHER	700 U	700 U
4-CHLOROANILINE	700 U	700 U
4-CHLOROPHENYL PHENYL ETHER	700 U	700 U
4-NITROANILINE	3500 U	3400 U
4-NITROPHENOL	3500 U	3400 U
4-NITROQUINOLINE-1-OXIDE	35000 U	34000 U
5-NITRO-O-TOLUIDINE	700 U	700 U
7,12-DIMETHYLBENZ(A)ANTHRACENE	700 U	700 U
A,A-DIMETHYLPHENETHYLAMINE	3500 UJ	3400 UJ
ACENAPHTHENE	700 U	700 U
ACENAPHTHYLENE	700 U	700 U
ACETOPHENONE	700 U	700 U
ANILINE	700 U	700 U
ANTHRACENE	700 U	700 U
ARAMITE	3500 UJ	3400 UJ
BENZIDINE	3500 U	3400 U
BENZO(A)ANTHRACENE	700 U	700 U
BENZO(A)PYRENE	700 U	700 U
BENZO(B)FLUORANTHENE	700 U	700 U
BENZO(G,H,I)PERYLENE	700 U	700 U
BENZO(K)FLUORANTHENE	700 U	700 U
BENZOIC ACID	3500 UJ	3400 UJ
BENZYL ALCOHOL	700 U	700 U
BIS(2-CHLOROETHOXY)METHANE	700 U	700 U
BIS(2-CHLOROETHYL)ETHER	700 U	700 U
BIS(2-ETHYLHEXYL)PHTHALATE	700 U	700 U
BUTYL BENZYL PHTHALATE	700 U	700 U
CHLOROBENZILATE	21 U	21 U
CHRYSENE	700 U	700 U
DI-N-BUTYL PHTHALATE	700 U	700 U
DI-N-OCTYL PHTHALATE	700 U	700 U
DIALLATE	42 U	42 U
DIBENZO(A,H)ANTHRACENE	700 U	700 U
DIBENZOFURAN	700 U	700 U
DIETHYL PHTHALATE	700 U	700 U
DIMETHYL PHTHALATE	700 U	700 U

from so56_sam.dbf
from so56_res.dbf
from so56_res.xls
from q:\sql_server\mayport\upload

order	**008**	**009**
site		
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56
location	MPT-56-SS03	MPT-56-SS04
nsample	56SS00301	56SS00401
sample	56SS00301	56SS00401
matrix	SS	SS
sacode	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94
validated	N	N
sort	**c_008**	**c_009**
ETHYL METHANE SULFONATE	700 U	700 U
FLUORANTHENE	700 U	700 U
FLUORENE	700 U	700 U
HEXACHLOROBENZENE	700 U	700 U
HEXACHLOROBUTADIENE	700 U	700 U
HEXACHLOROCYCLOPENTADIENE	700 U	700 U
HEXACHLOROETHANE	700 U	700 U
HEXACHLOROPHENE	35000 R	34000 R
HEXACHLOROPROPENE	3500 U	3400 U
INDENO(1,2,3-CD)PYRENE	700 U	700 U
ISODRIN	0.7 U	0.7 U
ISOPHORONE	700 U	700 U
ISOSAFROLE	3500 U	3400 U
METHAPYRILENE	3500 UJ	3400 UJ
METHYL METHANE SULFONATE	700 U	700 U
N-NITROSO-DI-N-BUTYLAMINE	700 U	700 U
N-NITROSO-DI-N-PROPYLAMINE	700 U	700 U
N-NITROSODIETHYLAMINE	700 U	700 U
N-NITROSODIMETHYLAMINE	700 U	700 U
N-NITROSODIPHENYLAMINE	700 U	700 U
N-NITROSOMETHYLETHYLAMINE	700 U	700 U
N-NITROSOMORPHOLINE	700 U	700 U
N-NITROSOPIPERIDINE	700 U	700 U
N-NITROSOPYRROLIDINE	700 UJ	700 UJ
NAPHTHALENE	700 U	700 U
NITROBENZENE	700 U	700 U
O-TOLUIDINE	700 U	700 U
P-(DIMETHYLAMINO)AZOBENZENE	700 U	700 U
PENTACHLOROBENZENE	3500 U	3400 U
PENTACHLORONITROBENZENE	3500 U	3400 U
PENTACHLOROPHENOL	3500 U	3400 U
PHENACETIN	700 U	700 U
PHENANTHRENE	700 U	700 U
PHENOL	700 U	700 U
PRONAMIDE	700 U	700 U
PYRENE	700 U	700 U
PYRIDINE	3500 UJ	3400 UJ
SAFROLE	3500 U	3400 U
Pesticides/PCBs (ug/kg)		
4,4'-DDD	1.4 U	1.4 U
4,4'-DDE	0.7 U	1.5
4,4'-DDT	1.4 U	1.4 U
ALDRIN	0.7 U	0.7 U
ALPHA-BHC	0.7 U	0.7 U

order	**008**	**009**
site		
aoc	BLDG 1552 - ACC AREA	BLDG 1552 - ACC AREA
swmu	56	56
location	MPT-56-SS03	MPT-56-SS04
nsample	56SS00301	56SS00401
sample	56SS00301	56SS00401
matrix	SS	SS
sacode	NORMAL	NORMAL
depth_rang	0 - 0	0 - 0
sample_dat	09/01/94	09/01/94
validated	N	N
sort	**c_008**	**c_009**
AROCLOR-1016	35 U	34 U
AROCLOR-1221	70 U	70 U
AROCLOR-1232	70 U	70 U
AROCLOR-1242	35 U	34 U
AROCLOR-1248	35 U	34 U
AROCLOR-1254	17 U	17 U
AROCLOR-1260	17 U	17 U
BETA-BHC	1.4 U	1.4 U
CHLORDANE	7 U	7 U
DELTA-BHC	0.7 U	0.7 U
DIELDRIN	0.7 U	0.7 U
ENDOSULFAN I	0.7 U	0.7 U
ENDOSULFAN II	1.4 U	1.4 U
ENDOSULFAN SULFATE	1.4 U	1.4 U
ENDRIN	1.4 U	1.4 U
ENDRIN ALDEHYDE	1.4 U	1.4 U
ENDRIN KETONE	1.4 U	1.4 U
GAMMA-BHC (LINDANE)	0.7 U	0.7 U
HEPTACHLOR	0.7 U	0.7 U
HEPTACHLOR EPOXIDE	0.7 U	0.7 U
KEPONE	42 UJ	42 U
METHOXYCHLOR	2.8 U	2.8 U
TOXAPHENE	35 U	34 U
Inorganics (mg/kg)		
ANTIMONY	1.1 U	1 U
ARSENIC	0.71 J	0.73 J
BARIUM	7 J	7.4 J
BERYLLIUM	0.13 U	0.14 U
CADMIUM	0.23 J	0.42 J
CHROMIUM	7.2 J	5 J
COBALT	0.71 J	0.65 U
COPPER	3.9 J	6.3 J
LEAD	7.9 J	7 J
MERCURY	0.04 U	0.03 U
NICKEL	1.9 J	2.3 J
SELENIUM	0.13 UJ	0.14 J
SILVER	0.44 U	0.44 U
THALLIUM	0.13 U	0.15 J
TIN	1.7 U	1.7 U
VANADIUM	4.8 J	4.1 J
ZINC	15.9 J	31.7 J
Miscellaneous Parameters (mg/kg)		
CYANIDE	0.14 U	0.14 U

from so56_sam.dbf
from so56_res.dbf
from so56_res.xls
from q:\sql_server\mayport\upload

order	**001**
aoc	BLDG 1552 - ACC AREA
swmu	56
round	1994Q3
location	MPT-56-MW01S
nsample	
sample	
matrix	
depth_rang	
sample_dat	09/10/94
validated	N
sort	**c_001**
Volatile Organics (ug/kg)	
ACETONE	14
Pesticides/PCBs (ug/kg)	
4,4'-DDE	
Inorganics (mg/kg)	
ARSENIC	
BARIUM	9.7
CADMIUM	
CHROMIUM	
COBALT	
COPPER	
IRON	477
Magnesium	36100
Manganese	89.4
Sodium	240000
VANADIUM	3.8
ZINC	

APPENDIX B

POSITIVE DETECTIONS FOR SWMUs

SWMU 19

NAVSTA MAYPORT, SWMU 19
DETECTED GROUNDWATER RESULTS

LOCATION SAMPLE IDENTIFICATION SAMPLE DATE	**NAVSTA MAYPORT BACKGROUND VALUE**	**FDEP GCTL**	**FDEP SWCTL**	19G00101 19G00101 19980716
METALS (µg/L)				
CADMIUM	NC	5	5	1 I
IRON	494	300	300	330
MANGANESE	141	50	NC	39

Notes:
NC = no concentration

NAVSTA MAYPORT, SWMU 19
DETECTED SUBSURFACE SOIL RESULTS

LOCATION SAMPLE IDENTIFICATION SAMPLE DATE	**NAVSTA MAYPORT BACKGROUND VALUE**	**FDEP RESIDENTIAL SCTL**	**FDEP INDUSTRIAL SCTL**	**FDEP LEACHABILITY TO GROUNDWATER SCTL**	**FDEP LEACHABILITY TO MARINE WATER SCTL**	19-SS_BS1 19BS001 19940630	19-SS_BS1 19BS001-D 19940630	19-SS_BS2 19BS002 19940630
METALS (mgkg)								
ARSENIC	13.7	2.1	12	NC	NC	0.64 J	0.72 J	1.6 J
BARIUM	NA	120	130000	1600	NC	2 J	1.6 J	2.6 J
BERYLLIUM	NA	120	1400	63	2.1	0.07 J	0.07 J	0.06 U
CHROMIUM	NA	210	470	38	NC	2.3	2 J	2.3
COPPER	NA	150	89000	NC	NC	1 J	0.69 J	1.3 J
LEAD	NA	400	1400	NC	NC	1.1	0.92	3.5
SELENIUM	NC	440	11000	5.2	7.4	0.13 U	0.13 U	0.13 J
VANADIUM	NA	67	10000	980	NC	1.7 J	1.2 U	3.1 J
ZINC	NA	26000	630000	NC	NC	5.5 U	3.2 U	8.4
MISCELLANEOUS PARAMETERS (m/gkg)								
CYANIDE	NC	34	11000	0.8	0.004	**0.21 J**	0.15 U	0.14 U
PESTICIDES/PCBS (mg/kg)								
4,4'-DDD	NC	4.2	22	5.8	0.01	0.0025	0.0076 J	0.0014 U
ENDRIN KETONE	NC	NC	NC	NC	NC		**16**	
SEMIVOLATILES (mg/kg)								
CHLOROBENZILATE	NC	3.6	18	0.1	0.01	0.022 U	0.022 U	0.021 U
VOLATILES (mg/kg)								
TRICHLOROETHENE	NC	6.4	9.3	0.03	0.9	0.006 U	0.006 U	0.005 U

NAVSTA MAYPORT, SWMU 19
DETECTED SUBSURFACE SOIL RESULTS

LOCATION SAMPLE IDENTIFICATION SAMPLE DATE	**NAVSTA MAYPORT BACKGROUND VALUE**	**FDEP RESIDENTIAL SCTL**	**FDEP INDUSTRIAL SCTL**	**FDEP LEACHABILITY TO GROUNDWATER SCTL**	**FDEP LEACHABILITY TO MARINE WATER SCTL**	19-SS_BS3 19BS003 19940630	19-SS_BS4 19BS004 19940630
METALS (mgkg)							
ARSENIC	13.7	2.1	12	NC	NC	1 J	1.3 J
BARIUM	NA	120	130000	1600	NC	2 J	2.1 J
BERYLLIUM	NA	120	1400	63	2.1	0.07 U	0.08 U
CHROMIUM	NA	210	470	38	NC	1.8 J	2.5
COPPER	NA	150	89000	NC	NC	1.1 J	0.9 J
LEAD	NA	400	1400	NC	NC	0.75	0.84
SELENIUM	NC	440	11000	5.2	7.4	0.14 U	0.15 U
VANADIUM	NA	67	10000	980	NC	1.8 J	2.1 J
ZINC	NA	26000	630000	NC	NC	6.4 U	7.9
MISCELLANEOUS PARAMETERS (m/gkg)							
CYANIDE	NC	34	11000	0.8	0.004	0.16 U	0.17 U
PESTICIDES/PCBS (mg/kg)							
4,4'-DDD	NC	4.2	22	5.8	0.01	0.0016 U	0.0016 U
SEMIVOLATILES (mg/kg)							
CHLOROBENZILATE	NC	3.6	18	0.1	0.01	0.024 U	**0.034 J**
VOLATILES (mg/kg)							
TRICHLOROETHENE	NC	6.4	9.3	0.03	0.9	0.006 U	0.002 J

NAVSTA MAYPORT, SWMU 19
DETECTED SUBSURFACE SOIL RESULTS

LOCATION SAMPLE IDENTIFICATION SAMPLE DATE	**NAVSTA MAYPORT BACKGROUND VALUE**	**FDEP RESIDENTIAL SCTL**	**FDEP INDUSTRIAL SCTL**	**FDEP LEACHABILITY TO GROUNDWATER SCTL**	**FDEP LEACHABILITY TO MARINE WATER SCTL**	19-SS_BS5 19BS005 19940630	19-SS_BS6 19BS006 19940630
METALS (mgkg)							
ARSENIC	13.7	2.1	12	NC	NC	0.72 J	0.65 J
BARIUM	NA	120	130000	1600	NC	2.5 J	5.3 J
BERYLLIUM	NA	120	1400	63	2.1	0.07 J	0.12 J
CHROMIUM	NA	210	470	38	NC	2.9	5.7
COPPER	NA	150	89000	NC	NC	0.8 J	0.77 J
LEAD	NA	400	1400	NC	NC	1	3.1
SELENIUM	NC	440	11000	5.2	7.4	0.14 U	0.13 U
VANADIUM	NA	67	10000	980	NC	1.9 J	2.7 J
ZINC	NA	26000	630000	NC	NC	5.9 U	5.4 U
MISCELLANEOUS PARAMETERS (m/gkg)							
CYANIDE	NC	34	11000	0.8	0.004	0.15 U	0.15 U
PESTICIDES/PCBS (mg/kg)							
4,4'-DDD	NC	4.2	22	5.8	0.01	0.0015 U	0.0015 U
SEMIVOLATILES (mg/kg)							
CHLOROBENZILATE	NC	3.6	18	0.1	0.01	0.023 U	0.023 U
VOLATILES (mg/kg)							
TRICHLOROETHENE	NC	6.4	9.3	0.03	0.9	0.006 U	0.006 U

Notes:
NA = not applicable
NC = no concentration

NAVSTA MAYPORT, SWMU 19
DETECTED SURFACE SOIL RESULTS

LOCATION SAMPLE IDENTIFICATION SAMPLE DATE	**NAVSTA MAYPORT BACKGROUND VALUE**	**FDEP RESIDENTIAL SCTL**	**FDEP INDUSTRIAL SCLT**	**FDEP LEACHABILITY TO GROUNDWATER SCTL**	19-SS_BS1 19SS001 19940630	19-SS_BS2 19SS002 19940630	19-SS_BS3 19SS003 19940630
METALS (mg/kg)							
ARSENIC	13.7	2.1	12	NC	0.58 J	0.88 J	0.56 J
BARIUM	NA	120	130000	1600	23.7 J	4.8 J	2.5 J
BERYLLIUM	NA	120	1400	63	0.4 J	0.08 J	0.07 J
CADMIUM	NA	82	1700	7.5	0.38 J	0.22 J	0.21 U
CHROMIUM	NA	210	470	38	15.8 J	1.6 J	2.5 J
COPPER	NA	150	89000	NC	9.7 J	2.9 J	2.3 J
LEAD	NC	400	1400	NC	11.4 J	1.1 J	1.6 J
NICKEL	NC	340	35000	130	4 J	1.2 U	1.2 U
SELENIUM	NA	440	11000	5.2	0.14 J	0.13 U	0.12 U
VANADIUM	NA	67	10000	980	7.8 J	3.8 J	1.5 J
ZINC	NA	26000	630000	NC	32.6 J	3.8 J	4 J
PESTICIDES/PCBS (mg/kg)							
4,4'-DDE	NC	2.9	15	18	0.00069 U	0.0007 U	0.0007 U
4,4'-DDT	NC	2.9	15	11	0.0013 U	0.0014 U	0.0013 U
SEMIVOLATILES (mg/kg)							
BENZO(B)FLUORANTHENE	NC	NC	NC	2.4	0.68 U	0.69 U	0.079 J

NAVSTA MAYPORT, SWMU 19
DETECTED SURFACE SOIL RESULTS

LOCATION SAMPLE IDENTIFICATION SAMPLE DATE	**NAVSTA MAYPORT BACKGROUND VALUE**	**FDEP RESIDENTIAL SCTL**	**FDEP INDUSTRIAL SCLT**	**FDEP LEACHABILITY TO GROUNDWATER SCTL**	19-SS_BS4 19SS004 19940630	19-SS_BS5 19SS005 19940630	19-SS_BS6 19SS006 19940630
METALS (mg/kg)							
ARSENIC	13.7	2.1	12	NC	0.5 J	1.2 J	0.39 J
BARIUM	NA	120	130000	1600	2 J	13.2 J	1.8 J
BERYLLIUM	NA	120	1400	63	0.06 U	0.26 J	0.06 U
CADMIUM	NA	82	1700	7.5	0.21 U	0.21 U	0.22 J
CHROMIUM	NA	210	470	38	2.3 J	5 J	2.1 J
COPPER	NA	150	89000	NC	1.8 J	2.7 J	1.3 J
LEAD	NC	400	1400	NC	1.2 J	2.7 J	1.5 J
NICKEL	NC	340	35000	130	1.2 U	1.9 J	1.2 U
SELENIUM	NA	440	11000	5.2	0.13 U	0.13 U	0.12 U
VANADIUM	NA	67	10000	980	1.4 J	7.3 J	1.2 J
ZINC	NA	26000	630000	NC	4.9 J	8.7 J	5.1 J
PESTICIDES/PCBS (mg/kg)							
4,4'-DDE	NC	2.9	15	18	0.0007 U	0.0033 J	0.0013 J
4,4'-DDT	NC	2.9	15	11	0.0014 U	0.0022 J	0.0034 J
SEMIVOLATILES (mg/kg)							
BENZO(B)FLUORANTHENE	NC	NC	NC	2.4	0.69 U	0.69 U	0.68 U

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NAVSTA MAYPORT, SWMU 26
DETECTED GROUNDWATER RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP GCTL	FDEP SWCTL	MPT-26-MW01S		MPT-26-MW02S	MPT-26-MW03S	MPT-26-MW04S
SAMPLE IDENTIFICATION				26MW001S	26MW001S-D	26MW002S	26MW003S	26MW004S
SAMPLE DATE				19940712	19940712	19940712	19940713	19940710
METALS (µg/L)								
ANTIMONY	NC	6		2.2 U	2.2 U	2.2 U	5.2	22.3 UJ
ARSENIC	5.3	10		1.1 J	0.9 U	0.9 U	0.9 U	0.9 UJ
BARIUM	37.8	2000		25.7 J	25.8 J	18.3 J	15 J	23.6 J
IRON	494	300	3000	89.8 J	**324 J**	**1320 J**	**487**	44 J
LEAD	2	15		4.7 U	**6.2**	2.2 U	**2.2 J**	2.9 U
MANGANESE	141	50	500	**163 J**	**251 J**	**313 J**	**310 J**	**215**
SELENIUM	NC	50		13.2 UJ	2.6 J	13.2 UJ	13.2 UJ	13.2 UJ
THALLIUM	NC	2		1.4 J	1.3 UJ	1.3 U	1.3 UJ	1.3 UJ
ZINC	5.8	5000		7.3 U	7.3 U	7.3 U	5 J	4.2 U
SEMIVOLATILES (µg/L)								
BIS(2-ETHYLHEXYL)PHTHALATE	NC	6		10 UJ	10 U	10 UJ	1 J	10 U
DI-N-BUTYL PHTHALATE	NC	700		10 UJ	10 U	10 UJ	2 J	10 U

NAVSTA MAYPORT, SWMU 26
DETECTED SUBSURFACE SOIL RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP RESIDENTIAL SCTL	FDEP INDUSTRIAL SCTL	FDEP LEACHABILITY TO GROUNDWATER SCTL	MPT-26-BS-11		
SAMPLE IDENTIFICAITON					MPT26BS11	MPT26BS11-AVG	MPT26BS11-D
SAMPLE DATE					19920421	19920421	19920421
BOTTOM DEPTH					4.5	4.5	4.5
METALS (mg/kg)							
ARSENIC	13.7	2.1	12	NC	0.74 J	0.655	0.57 J
BARIUM	NA	120	130000	1600	4.7 J	4.4	4.1 J
BERYLLIUM	NA	120	1400	63	0.11 J	0.055	0 U
CHROMIUM	NA	210	470	38	2.5 J	2.15	1.8 J
COBALT	NA	1700	42000	NC	0	0	0 U
COPPER	NA	150	89000	NC	4.5 J	2.9	1.3 J
CYANIDE	NA	34	11000	0.8	0.25 J	0.23	0.21 J
LEAD	NA	400	1400	NC	0 U	0 U	0 U
NICKEL	NC	340	35000	130	2.3 J	1.15	0 U
VANADIUM	NA	67	10000	980	1.7 J	1.35	1 J
ZINC	NA	26000	630000	NC	15.4 J	9.6	3.8 J
SEMIVOLATILES (mg/kg)							
BIS(2-ETHYLHEXYL)PHTHALATE	NC	72	390	3600	0 U	0.021	0.042 J
DI-N-BUTYL PHTHALATE	NC	8200	170000	47	0 U	0.0255	0.051 J
VOLATILES (mgkg)							
2-BUTANONE	NC	16000	110000	17	0.009 J	0.012	0.015
ACETONITRILE	NC	NC	NC	2	0 U	0 U	0 U
CHLOROFORM	NC	0.4	0.6	0.4	0 U	0.0025	0.005 J
TOTAL XYLENES	NC	130	700	0.2	0 U	0 U	0 U

NAVSTA MAYPORT, SWMU 26
DETECTED SUBSURFACE SOIL RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP RESIDENTIAL SCTL	FDEP INDUSTRIAL SCTL	FDEP LEACHABILITY TO GROUNDWATER SCTL	MPT-26-BS-12	MPT-26-BS-13	MPT-26-BS-14
SAMPLE IDENTIFICAITON					MPT26BS12	MPT26BS13	MPT26BS14-92
SAMPLE DATE					19920421	19920421	19920421
BOTTOM DEPTH					4.5	4.5	4.5
METALS (mg/kg)							
ARSENIC	13.7	2.1	12	NC	0.67 J	1.1 J	2 J
BARIUM	NA	120	130000	1600	2.2 J	2.9 J	9 J
BERYLLIUM	NA	120	1400	63	0.07 J	0.11 J	0.23 J
CHROMIUM	NA	210	470	38	2.6	2.8	7.4
COBALT	NA	1700	42000	NC	0 U	0 U	1.4 J
COPPER	NA	150	89000	NC	1.3 J	3.9 J	3.4 J
CYANIDE	NA	34	11000	0.8	0 U	**2.1**	**3**
LEAD	NA	400	1400	NC	0 U	0 U	3.5 J
NICKEL	NC	340	35000	130	0 U	3.3 J	3.7 J
VANADIUM	NA	67	10000	980	2.5 J	2.6 J	6.3 J
ZINC	NA	26000	630000	NC	9.6 J	10.2 J	12.5 J
SEMIVOLATILES (mg/kg)							
BIS(2-ETHYLHEXYL)PHTHALATE	NC	72	390	3600	0 U	0 U	0 U
DI-N-BUTYL PHTHALATE	NC	8200	170000	47	0.043 J	0.054 J	0.063 J
VOLATILES (mgkg)							
2-BUTANONE	NC	16000	110000	17	0.007 J	0 U	0.011 J
ACETONITRILE	NC	NC	NC	2	0 U	0.022 J	0.024 J
CHLOROFORM	NC	0.4	0.6	0.4	0 U	0 U	0 U
TOTAL XYLENES	NC	130	700	0.2	0 U	0.002 J	0.002 J

Notes:

NA = not applicable
NC = no concentration

NAVSTA MAYPORT, SWMU 26
DETECTED SURFACE SOIL RESTULS
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LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP RESIDENTIAL SCTL	FDEP LEACHABILITY TO GROUNDWATER SCTL	MPT-26-SS-01			
SAMPLE IDENTIFICATION				MPT-26-SS01	MPT-26-SS01-D	MPT26SS01	MPT26SS01-D
SAMPLE DATE				19920421	19920421	19920421	19920421
BOTTOM DEPTH				0.5	0.5	1.5	1.5
METALS (mg/kg)							
ARSENIC	13.7	2.1	NC	NA	NA	0.68 J	0.57 J
BARIUM	NA	120	1600	NA	NA	4.5 J	6.3 J
BERYLLIUM	NA	120	63	NA	NA	0.11 J	0.11 J
CHROMIUM	NA	210	38	NA	NA	3.9	4.1
COBALT	NC	1700	NC	NA	NA	0 U	0 U
COPPER	NA	150	NC	NA	NA	8.8	5 J
CYANIDE	NC	34	0.8	NA	NA	**1.3**	**1.7**
LEAD	NC	400	NC	NA	NA	0 U	0 U
NICKEL	NC	340	130	NA	NA	6.8 J	4.8 J
VANADIUM	NA	67	980	NA	NA	3 J	3.7 J
ZINC	NA	26000	NC	NA	NA	29.7 J	14.3 J
SEMIVOLATILES (mg/kg)							
BIS(2-ETHYLHEXYL)PHTHALATE	NC	72	3600	0 U	0 U	NA	NA
DI-N-BUTYL PHTHALATE	NC	8200	47	0 U	0.05 J	NA	NA
VOLATILES (mg/kg)							
2-BUTANONE	NC	16000	17	0 U	0.006 J	NA	NA
ACETONITRILE	NC	NC	2	0 U	0 U	NA	NA
TOLUENE	NC	7500	0.5	0 U	0 U	NA	NA
TOTAL XYLENES	NC	130	0.2	0.003 J	0.002 J	NA	NA

NAVSTA MAYPORT, SWMU 26
DETECTED SURFACE SOIL RESTULS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP RESIDENTIAL SCTL	FDEP LEACHABILITY TO GROUNDWATER SCTL	MPT-26-SS-02	MPT-26-SS-03	MPT-26-SS-04
SAMPLE IDENTIFICATION				MPT26SS02	MPT26SS03	MPT26SS04-92
SAMPLE DATE				19920421	19920421	19920421
BOTTOM DEPTH				0.5	1.5	1.5
METALS (mg/kg)						
ARSENIC	13.7	2.1	NC	0.76 J	0.86 J	1.6 J
BARIUM	NA	120	1600	3.4 J	2.7 J	8.2 J
BERYLLIUM	NA	120	63	0.11 J	0.13 J	0.33 J
CHROMIUM	NA	210	38	2.7	3.4	8.2
COBALT	NC	1700	NC	0 U	0 U	1.4 J
COPPER	NA	150	NC	7.4	4.6 J	7
CYANIDE	NC	34	0.8	0 U	0 U	**1.6**
LEAD	NC	400	NC	0 U	0 U	4.6 J
NICKEL	NC	340	130	2.4 J	3.1 J	4.4 J
VANADIUM	NA	67	980	5.4 J	2.4 J	8.6 J
ZINC	NA	26000	NC	19.4 J	15.3 J	17.5 J
SEMIVOLATILES (mg/kg)						
BIS(2-ETHYLHEXYL)PHTHALATE	NC	72	3600	0.038 J	0.094 J	0.038 J
DI-N-BUTYL PHTHALATE	NC	8200	47	0.054 J	0.069 J	0.064 J
VOLATILES (mg/kg)						
2-BUTANONE	NC	16000	17	0 U	0.006 J	0 U
ACETONITRILE	NC	NC	2	0 U	0 U	0.024 J
TOLUENE	NC	7500	0.5	0 U	0 U	0.001 J
TOTAL XYLENES	NC	130	0.2	0 U	0.001 J	0.005 J

Notes:

NA = not applicable

NC = no concentration

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NAVSTA MAYPORT, SWMU 28
DETECTED GROUNDWATER RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP GCTL	MPT-08-MW01S										
SAMPLE IDENTIFICATION			08G00101	08G00101_99	08MW001S	08MW001SF	8GW1	8MW1	MPT-08-GW-01S-02	MPT-08-MW01S	MPT-08-MW01S-01	MPT-08-MW01S-01A	MPT-08-MW01S-01B
SAMPLE DATE			19990305	19990929	19940711	19940711	19921209	19930201	20000608	20021119	20021219	20021219	20030108
METALS (µg/L)													
ARSENIC	5.3	10	NA	NA	1.1 J	0.95 J	NA	3.2 J	NA	NA	NA	NA	NA
BARIUM	37.8	2000	NA	NA	3.9 J	3.3 U	NA	9.7 J	NA	NA	NA	NA	NA
CADMIUM	NC	5	NA	NA	3 U	3 U	NA	3 J	NA	NA	NA	NA	NA
CALCIUM	226,125	NC	NA	NA	57900	58800	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NC	100	NA	NA	2.34 U	2.34 U	NA	4.5 J	NA	NA	NA	NA	NA
IRON	494	300	NA	NA	**710 J**	450	NA	NA	NA	NA	NA	**826**	NA
MAGNESIUM	184,393	NC	NA	NA	6180	5730	NA	NA	NA	NA	NA	NA	NA
MANGANESE	141	50	NA	NA	43.6 J	39.3 J	NA	NA	NA	NA	NA	26.6	NA
NICKEL	NC	100	NA	NA	7.3 U	7.3 U	NA	9.4 U	NA	NA	NA	NA	NA
SODIUM	1,524,588	160000	NA	NA	4980 J	4940 J	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NC	2	NA	NA	1.5 J	1.5 J	NA	2.3 U	NA	NA	NA	NA	NA
TIN	NC	4200	NA	NA	9.4 U	9.4 U	NA	13.2 J	NA	NA	NA	NA	NA
VANADIUM	6	49	NA	NA	1.7 U	1.7 U	NA	6.3 J	NA	NA	NA	NA	NA
ZINC	5.8	5000	NA	NA	5.4 U	7.5 U	NA	31	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (mg/L)													
TOTAL PETROLEUM HYDROCARBONS	NC	5000	0.2 U	0.2 U	0.1	NA	950	NA	0.5 U	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (µg/L)													
1-METHYLNAPHTHALENE	NC	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NC	28	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
FLUORENE	NC	280	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NC	210	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (µg/L)													
3&4-METHYLPHENOL	NC	NC	NA	NA	10 U	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NC	6	NA	NA	10 U	NA	NA	5 J	NA	NA	NA	NA	NA
DIPHENYLAMINE	NC	180	NA	NA	NA	NA	NA	0	NA	NA	NA	NA	NA
PHENANTHRENE	NC	210	0.05	1 U	10 U	NA	NA	10 U	1 U	NA	NA	NA	NA
VOLATILES (µg/L)													
ACETONE	NC	6300	NA	NA	10 U	NA	NA	10 U	1.6 J	NA	NA	NA	NA
CARBON DISULFIDE	NC	700	NA	NA	5 U	NA	NA	5 U	1 U	NA	NA	NA	NA
ETHANE	NC	NC	1 U	1 U	NA	NA	NA	NA	NA	0.008	0.02 J	NA	NA
ETHENE	NC	NC	1 U	1 U	NA	NA	NA	NA	NA	0.009	0.005 UJ	NA	NA
METHANE	NC	NC	2	12	NA	NA	NA	NA	17	45	120 J	NA	NA
METHYLENE CHLORIDE	NC	5	NA	NA	5 U	NA	NA	5 J	0.16 J	NA	NA	NA	NA

NAVSTA MAYPORT, SWMU 28
DETECTED GROUNDWATER RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP GCTL	MPT-08-MW01S										
SAMPLE IDENTIFICATION			MPT-08-MW01S-01C	MPT-08-MW01S-02	MPT-08-MW01S-03	MPT-08-MW01S-03-GW	MPT-08-MW01S-111306	MPT-08-MW01SA	MPT-08-MW01SB	MPT-8-MW01S-04	MPT-8-MW01S-05	MPT-8-MW01S-05-0911	MPT-8-MW01S-05-AVG
SAMPLE DATE			20030115	20030113	20030210	20030210	20061113	20021119	20021120	20030520	20030905	20030911	20030905
METALS (µg/L)													
ARSENIC	5.3	10	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BARIUM	37.8	2000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CADMIUM	NC	5	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CALCIUM	226,125	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
CHROMIUM	NC	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
IRON	494	300	NA	183	NA	185 U	NA	**815**	NA	420	NA	107 U	NA
MAGNESIUM	184,393	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
MANGANESE	141	50	NA	22.4	NA	26.4	NA	34.5	NA	50 U	NA	14.7	NA
NICKEL	NC	100	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
SODIUM	1,524,588	160000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
THALLIUM	NC	2	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
TIN	NC	4200	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
VANADIUM	6	49	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
ZINC	5.8	5000	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PETROLEUM HYDROCARBONS (mg/L)													
TOTAL PETROLEUM HYDROCARBONS	NC	5000	NA	NA	NA	NA	NA	NA	0.18 UJ	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (µg/L)													
1-METHYLNAPHTHALENE	NC	28	NA	NA	NA	NA	0.4	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NC	28	NA	NA	NA	NA	0.3	NA	NA	NA	NA	NA	NA
FLUORENE	NC	280	NA	NA	NA	NA	0.1 J	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NC	210	NA	NA	NA	NA	0.1 J	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (µg/L)													
3&4-METHYLPHENOL	NC	NC	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NC	6	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
DIPHENYLAMINE	NC	180	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NC	210	NA	NA	NA	NA	NA	NA	11 U	NA	NA	NA	NA
VOLATILES (µg/L)													
ACETONE	NC	6300	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA
CARBON DISULFIDE	NC	700	NA	NA	NA	NA	NA	NA	2 J	NA	NA	NA	NA
ETHANE	NC	NC	NA	0.015	0.012 J	NA	NA	NA	NA	0.013	0.007	NA	0.0055
ETHENE	NC	NC	NA	0.006	0.005 UJ	NA	NA	NA	NA	0.005	0.007	NA	0.00475
METHANE	NC	NC	NA	87	110 J	NA	NA	NA	NA	180	66	NA	64.5
METHYLENE CHLORIDE	NC	5	NA	NA	NA	NA	NA	NA	10 U	NA	NA	NA	NA

NAVSTA MAYPORT, SWMU 28
DETECTED GROUNDWATER RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP GCTL	MPT-08-MW01S	MPT-08-MW05S		MPT-10-P01	MPT-15-P01	MPT-28-MW01S
SAMPLE IDENTIFICATION			MPT-8-MW01S-05-D	08MW005S	NTM_8MW5S	10OP001	15OP001	28MW001S
SAMPLE DATE			20030905	19940726	19930127	19940824	19940824	19940711
METALS (µg/L)								
ARSENIC	5.3	10	NA	0.6 U	2.9 J	1.4 J	1 J	4.3 J
BARIUM	37.8	2000	NA	1.4 U	6.5 J	4.7 J	3.1 J	7 J
CADMIUM	NC	5	NA	1 U	2.8 U	1 U	1 U	3 U
CALCIUM	226,125	NC	NA	84500 J	89500	77900	129000	97700
CHROMIUM	NC	100	NA	2.6 UJ	6.6 J	2.6 U	2.6 U	2.34 U
IRON	494	300	NA	78.6 UJ	**2760 J**	46.7 J	130	173 J
MAGNESIUM	184,393	NC	NA	18800 U	15400	11400	4800 J	10800
MANGANESE	141	50	NA	23.6 UJ	39.9	4.5 J	33.4	42.9 J
NICKEL	NC	100	NA	5.9 UJ	9.4 U	5.9 U	5.9 U	7.6 J
SODIUM	1,524,588	160000	NA	31500 U	NA	8910	30800	12400 J
THALLIUM	NC	2	NA	0.6 U	2.3 U	0.6 U	0.6 U	1.3 UJ
TIN	NC	4200	NA	8 U	12.7 U	8 U	8 U	9.4 U
VANADIUM	6	49	NA	1.5 UJ	7.2 J	4.4 J	1.9 J	4.8 J
ZINC	5.8	5000	NA	1.82 U	23.9 J	3.6 J	5.4 J	7.9 U
PETROLEUM HYDROCARBONS (mg/L)								
TOTAL PETROLEUM HYDROCARBONS	NC	5000	NA	NA	NA	NA	NA	NA
POLYCYCLIC AROMATIC HYDROCARBONS (µg/L)								
1-METHYLNAPHTHALENE	NC	28	NA	NA	NA	NA	NA	NA
2-METHYLNAPHTHALENE	NC	28	NA	NA	NA	NA	NA	NA
FLUORENE	NC	280	NA	NA	NA	NA	NA	NA
PHENANTHRENE	NC	210	NA	NA	NA	NA	NA	NA
SEMIVOLATILES (µg/L)								
3&4-METHYLPHENOL	NC	NC	NA	29	NA	10 U	10 U	10 U
BIS(2-ETHYLHEXYL)PHTHALATE	NC	6	NA	10 U	10 U	10 U	10 U	10 U
DIPHENYLAMINE	NC	180	NA	NA	0	NA	NA	NA
PHENANTHRENE	NC	210	NA	10 U	10 U	10 U	10 U	10 U
VOLATILES (µg/L)								
ACETONE	NC	6300	NA	10 U	10 UJ	10 UJ	10 UJ	10 U
CARBON DISULFIDE	NC	700	NA	5 U	5 U	5 U	5 U	5 U
ETHANE	NC	NC	0.004 J	NA	NA	NA	NA	NA
ETHENE	NC	NC	0.005 U	NA	NA	NA	NA	NA
METHANE	NC	NC	63	NA	NA	NA	NA	NA
METHYLENE CHLORIDE	NC	5	NA	5 U	5 U	5 U	5 U	5 U

NAVSTA MAYPORT, SWMU 28
DETECTED SUBSURFACE SOIL RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP RESIDENTIAL SCTL	FDEP LEACHABILITY SCTL	MPT-28-SB01		MPT-28-SB05	MPT-28-SB10	MPT-28-SB22	MPT-28-SB31	MPT-28-SB36	MPT-28-SB37	MPT-28-SB38	MPT-28-SB39
SAMPLE IDENTIFICATION				28BS00106	28BS01704	28BS00504	28BS01004	28BS02204	28BS03104	MPT-28-SB36-04-031507	MPT-28-SB37-03-031507	MPT-28-SB38-04-031507	MPT-28-SB39-04-031507
SAMPLE DATE				19940806	19940806	19940806	19940806	19940806	19940806	20070315	20070315	20070315	20070315
TOP DEPTH				6	4	4	4	4	4	3	2	3	3
BOTTOM DEPTH				6	4	4	4	4	4	4	3	4	4
METALS (mg/kg)													
ANTIMONY	NA	27	5.4	0.47 UJ	0.67 J	0.84 UJ	0.57 UJ	0.6 UJ	0.48 UJ	NA	NA	NA	NA
ARSENIC	13.7	2.1	NC	0.56 J	0.83 J	8.3 J	1.6 J	4 J	0.34 J	1.2	0.92	0.72	1.4
BARIUM	NA	120	1600	2.1 J	5.9 J	26.9 J	3.9 J	8.4 J	8.9 J	NA	NA	NA	NA
BERYLLIUM	NA	120	63	0.04 U	0.11 J	1.3 J	0.15 J	0.28 J	0.06 U	NA	NA	NA	NA
CADMIUM	NC	82	7.5	0.64 U	0.73 U	1.1 U	0.77 U	0.82 U	0.66 U	NA	NA	NA	NA
CHROMIUM	NA	210	38	1 J	2.3 J	**38.7**	4	8.1	1.8 J	NA	NA	NA	NA
COBALT	NA	1700	NC	0.57 U	0.64 U	7.4 J	0.87 J	1.3 J	0.58 U	NA	NA	NA	NA
COPPER	NA	150	NC	0.85 U	0.96 U	7.1 J	1.3 J	2 J	2.2 U	NA	NA	NA	NA
LEAD	NA	400	NC	1.2 U	1 U	11.3	1.7	6.4	2 J	NA	NA	NA	NA
MERCURY	NA	3	2.1	0.07 U	0.08 U	1	0.1 U	0.32	0.09 U	NA	NA	NA	NA
NICKEL	NC	340	130	1.5 U	1.8 U	10.6 J	1.9 U	2.2 J	1.6 U	NA	NA	NA	NA
SELENIUM	NC	440	5.2	0.28 UJ	0.39 J	0.5 UJ	0.36 J	0.36 UJ	0.43 U	NA	NA	NA	NA
SILVER	NC	410	17	0.52 U	0.52 U	0.78 U	0.53 U	0.56 U	0.45 U	NA	NA	NA	NA
TIN	NA	47000	NC	3.8 J	2.9 J	4.3 J	3.7 J	3.8 J	4.4 J	NA	NA	NA	NA
VANADIUM	NA	67	980	0.85 J	2 J	38	3.3 J	8.5 J	1.5 J	NA	NA	NA	NA
ZINC	NA	26000	NC	1.7 J	2 J	46	3.6 J	21.4	4.7 U	NA	NA	NA	NA
PESTICIDES/PCBs (mg/kg)													
4,4'-DDE	NC	2.9	18	0.00071 U	0.0016 U	0.0012 U	0.00086 U	0.0021 U	0.00072 U	NA	NA	NA	NA
4,4'-DDT	NC	2.9	11	0.0014 U	0.0031 U	0.0024 U	0.0017 U	0.0041 U	0.0014 U	NA	NA	NA	NA
SEMIVOLATILES (mg/kg)													
BENZO(A)ANTHRACENE	NC	NC	0.8	0.35 U	0.39 U	0.6 U	0.42 U	0.21 J	0.36 U	NA	NA	NA	NA
BENZO(B)FLUORANTHENE	NC	NC	2.4	0.35 U	0.39 U	0.6 U	0.42 U	0.31 J	0.36 U	NA	NA	NA	NA
BENZO(G,H,I)PERYLENE	NC	2500	32000	0.35 U	0.39 U	0.6 U	0.42 U	0.2 J	0.36 U	NA	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	17000	310	0.35 U	0.39 U	0.6 U	0.42 U	0.23 J	0.36 U	NA	NA	NA	NA
CHRYSENE	NC	NC	77	0.35 U	0.39 U	0.6 U	0.42 U	0.27 J	0.36 U	NA	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NC	NC	0.7	0.35 U	0.39 U	0.6 U	0.42 U	0.18 J	0.36 U	NA	NA	NA	NA
DI-N-BUTYL PHTHALATE	NC	8200	47	0.35 U	0.05 J	0.6 U	0.42 U	1.7 U	0.36 U	NA	NA	NA	NA
FLUORANTHENE	NC	3200	1200	0.35 U	0.39 U	0.6 U	0.42 U	0.28 J	0.36 U	NA	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NC	NC	6.6	0.35 U	0.39 U	0.6 U	0.42 U	0.29 J	0.36 U	NA	NA	NA	NA
PYRENE	NC	2400	880	0.35 U	0.39 U	0.6 U	0.42 U	0.28 J	0.36 U	NA	NA	NA	NA
VOLATILES (mg/kg)													
2-BUTANONE	NC	16000	17	0.011 R	0.012 R	0.021 J	0.012 R	0.014 R	0.011 R	NA	NA	NA	NA
ACETONE	NC	11000	25	0.026 U	0.059 J	0.2 J	0.088 J	0.037 U	0.017 UJ	NA	NA	NA	NA
CARBON DISULFIDE	NC	270	5.6	0.005 U	0.006 U	0.024	0.002 J	0.003 J	0.006 U	NA	NA	NA	NA
TOTAL XYLENES	NC	130	0.2	0.005 U	0.002 J	0.011 U	0.001 J	0.007 U	0.006 U	NA	NA	NA	NA

NAVSTA MAYPORT, SWMU 28
DETECTED SUBSURFACE SOIL RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP RESIDENTIAL SCTL	FDEP LEACHABILITY SCTL	MPT-28-SB40	MPT-28-SB41	MPT-28-SB43
SAMPLE IDENTIFICATION				MPT-28-SB40-04-031507	MPT-28-SB41-04-031407	MPT-28-SB43-03-031407
SAMPLE DATE				20070315	20070314	20070314
TOP DEPTH				3	3	2
BOTTOM DEPTH				4	4	3
METALS (mg/kg)						
ANTIMONY	NA	27	5.4	NA	NA	NA
ARSENIC	13.7	2.1	NC	0.98	1.2	1.3
BARIUM	NA	120	1600	NA	NA	NA
BERYLLIUM	NA	120	63	NA	NA	NA
CADMIUM	NC	82	7.5	NA	NA	NA
CHROMIUM	NA	210	38	NA	NA	NA
COBALT	NA	1700	NC	NA	NA	NA
COPPER	NA	150	NC	NA	NA	NA
LEAD	NA	400	NC	NA	NA	NA
MERCURY	NA	3	2.1	NA	NA	NA
NICKEL	NC	340	130	NA	NA	NA
SELENIUM	NC	440	5.2	NA	NA	NA
SILVER	NC	410	17	NA	NA	NA
TIN	NA	47000	NC	NA	NA	NA
VANADIUM	NA	67	980	NA	NA	NA
ZINC	NA	26000	NC	NA	NA	NA
PESTICIDES/PCBs (mg/kg)						
4,4'-DDE	NC	2.9	18	NA	NA	NA
4,4'-DDT	NC	2.9	11	NA	NA	NA
SEMIVOLATILES (mg/kg)						
BENZO(A)ANTHRACENE	NC	NC	0.8	NA	NA	NA
BENZO(B)FLUORANTHENE	NC	NC	2.4	NA	NA	NA
BENZO(G,H,I)PERYLENE	NC	2500	32000	NA	NA	NA
BUTYL BENZYL PHTHALATE	NC	17000	310	NA	NA	NA
CHRYSENE	NC	NC	77	NA	NA	NA
DIBENZO(A,H)ANTHRACENE	NC	NC	0.7	NA	NA	NA
DI-N-BUTYL PHTHALATE	NC	8200	47	NA	NA	NA
FLUORANTHENE	NC	3200	1200	NA	NA	NA
INDENO(1,2,3-CD)PYRENE	NC	NC	6.6	NA	NA	NA
PYRENE	NC	2400	880	NA	NA	NA
VOLATILES (mg/kg)						
2-BUTANONE	NC	16000	17	NA	NA	NA
ACETONE	NC	11000	25	NA	NA	NA
CARBON DISULFIDE	NC	270	5.6	NA	NA	NA
TOTAL XYLENES	NC	130	0.2	NA	NA	NA

Notes:
NA = not applicable/not analyzed
NC = no concentration

NAVSTA MAYPORT, SWMU 28
DETECTED SURFACE SOIL RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUES	FDEP RESIDENTIAL SCTL	FDEP LEACHABILITY TO GROUNDWATER SCTL	MPT-28-SB01	MPT-28-SB05	MPT-28-SB07	MPT-28-SB10	MPT-28-SB22	MPT-28-SB31	MPT-28-SS02		
SAMPLE IDENTIFICATION				28SS00101	28SS00501	28SS00701	28SS01001	28SS02201	28SS03101	28SS00201	28SS00201-AVG	28SS00201-D
SAMPLE DATE				19940806	19940805	19940805	19940806	19940805	19940806	19940806	19940806	19940806
BOTTOM DEPTH				1	1	1	1	1	1	1	1	1
METALS (mg/kg)												
ANTIMONY	NC	27	5.4	0.5 UJ	0.48 U	0.47 U	0.48 UJ	0.47 U	0.47 UJ	0.49 UJ	0.49 U	0.49 UJ
ARSENIC	13.7	2.1	NC	0.74 J	1.6 J	1.5 J	0.71 J	0.58 J	0.55 J	0.85 J	1.225	1.6 J
BARIUM	NA	120	1600	5 J	7.4 J	17.4 J	3.2 J	4 J	7.9 J	4.1 J	5.15	6.2 J
BERYLLIUM	NA	120	63	0.04 U	0.13 J	0.14 J	0.04 U	0.1 J	0.11 U	0.06 J	0.17	0.28 J
CADMIUM	NA	82	7.5	0.68 U	0.65 U	0.64 U	0.65 U	0.64 U	0.64 U	0.67 U	0.665 U	0.66 U
CHROMIUM	NA	210	38	2 J	3.5	3.6	1.2 J	3.1	2.7	2 J	2.2	2.4
COBALT	NC	1700	NC	0.6 U	0.57 U	0.59 J	0.57 U	0.57 U	0.57 U	0.59 U	0.59 U	0.59 U
COPPER	NA	150	NC	0.9 U	1.5 J	4.5 J	0.86 U	0.85 U	2.1 U	0.88 U	0.88 U	0.88 U
LEAD	NC	400	NC	1.5	0.44 UJ	0.43 UJ	0.92 U	0.87 J	1.7 J	2	2.4	2.8
MERCURY	NC	3	2.1	0.08 U	0.07 U	0.07 U	0.08 U	0.08 U	0.08 U	0.12	0.0775	0.07 U
NICKEL	NC	340	130	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.5 U	1.6 U	1.6 U	1.6 U
SELENIUM	NA	440	5.2	0.3 UJ	0.28 U	0.28 U	0.28 UJ	0.28 U	0.43 U	0.29 UJ	0.29 U	0.29 UJ
SILVER	NC	410	17	0.52 U	0.44 U	0.56 J	0.52 U	0.44 U	0.48 J	0.52 U	0.52 U	0.52 U
TIN	NA	47000	NC	2.5 J	2.3 J	2.8 J	2 U	2.3 J	27.5	2.4 J	2.25	2.1 J
VANADIUM	NA	67	980	1.7 J	4.1 J	3.2 J	1.1 J	2.2 J	2.1 J	1.8 J	1.85	1.9 J
ZINC	NA	26000	NC	2.5 J	1.7 U	1.5 U	1.1 J	1 U	17.2	1.4 J	1.8	2.2 J
PESTICIDES/PCBS (mg/kg)												
4,4'-DDE	NC	2.9	18	0.00076 U	0.0014 U	0.00072 U	0.00074 U	0.00071 U	0.00072 U	0.00074 U	0.00074 U	0.00074 U
4,4'-DDT	NC	2.9	11	0.0015 U	0.0028 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U
SEMIVOLATILES (mg/kg)												
2-CHLOROPHENOL	NC	130	0.7	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
BENZO(A)ANTHRACENE	NC	NC	0.8	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
BENZO(A)PYRENE	NC	0.1	8	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
BENZO(B)FLUORANTHENE	NC	NC	2.4	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
BENZO(G,H,I)PERYLENE	NC	2500	32000	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
BENZO(K)FLUORANTHENE	NC	NC	24	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
BIS(2-ETHYLHEXYL)PHTHALATE	NC	72	3600	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
BUTYL BENZYL PHTHALATE	NC	17000	310	0.37 U	1.4 U	0.35 U	0.086 J	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
CHRYSENE	NC	NC	77	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
DIBENZO(A,H)ANTHRACENE	NC	NC	0.7	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
DIETHYL PHTHALATE	NC	61000	86	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.043 J	0.043 J
DI-N-BUTYL PHTHALATE	NC	8200	47	0.37 U	1.4 U	0.075 J	0.36 U	0.35 U	0.35 U	0.36 U	0.041 J	0.041 J
DI-N-OCTYL PHTHALATE	NC	1700	480000	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
FLUORANTHENE	NC	3200	1200	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
INDENO(1,2,3-CD)PYRENE	NC	NC	6.6	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
PYRENE	NC	2400	880	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.037 J	0.037 J
VOLATILES (mg/kg)												
2-BUTANONE	NC	16000	17	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R
4-CHLORO-3-METHYLPHENOL	NC	600	0.4	0.37 U	1.4 U	0.35 U	0.36 U	0.35 U	0.35 U	0.36 U	0.36 U	0.36 U
ACETONE	NC	11000	25	0.046 U	0.028 U	0.045 U	0.041 U	0.033 U	0.024 UJ	0.028 U	0.0315 U	0.035 U
CARBON DISULFIDE	NC	270	5.6	0.006 U	0.005 U	0.005 U	0.006 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U
METHYLENE CHLORIDE	NC	17	0.02	0.013 U	0.006 U	0.006 U	0.009 U	0.007 U	0.007 U	0.008 U	0.0085 U	0.009 U
TOTAL XYLENES	NC	130	0.2	0.006 U	0.006	0.005 U	0.006 U	0.005 U	0.005 U	0.005 U	0.005 U	0.005 U

NAVSTA MAYPORT, SWMU 28
DETECTED SURFACE SOIL RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUES	FDEP RESIDENTIAL SCTL	FDEP LEACHABILITY TO GROUNDWATER SCTL	MPT-28-SS06	MPT-28-SS09	MPT-28-SS11	MPT-28-SS13	MPT-28-SS14	MPT-28-SS16	MPT-28-SS17	MPT-28-SS18	MPT-28-SS19
SAMPLE IDENTIFICATION				28SS00601	28SS00901	28SS01101	28SS01301	28SS01401-AVG	28SS01601	28SS01701	28SS01801	28SS01901
SAMPLE DATE				19940805	19940805	19940806	19940806	19940806	19940806	19940806	19940806	19940806
BOTTOM DEPTH				1	1	1	1	1	1	1	1	1
METALS (mg/kg)												
ANTIMONY	NC	27	5.4	0.48 U	0.47 UJ	0.49 UJ	0.47 UJ	0.47 U	0.48 UJ	0.89 J	0.48 UJ	0.48 UJ
ARSENIC	13.7	2.1	NC	0.79 J	0.59 J	1.1 J	0.74 J	0.65	1.1 J	1.3 J	1.2 J	0.93 J
BARIUM	NA	120	1600	4.3 J	2.7 J	6.2 J	2.2 J	2.35	4.3 J	9.5 J	6 J	4.3 J
BERYLLIUM	NA	120	63	0.05 J	0.09 J	0.08 J	0.06 J	0.05	0.1 J	0.13 J	0.12 J	0.04 U
CADMIUM	NA	82	7.5	0.64 U	0.64 U	0.67 U	0.64 U	0.64 U	0.65 U	0.66 U	0.65 U	0.66 U
CHROMIUM	NA	210	38	1.8 J	1.9 J	2.3	1.6 J	1.4	2 J	2.6	2.4	1.3 J
COBALT	NC	1700	NC	0.57 U	0.73 J	0.59 U	0.57 U	0.57 U	0.58 U	0.58 U	0.58 U	0.58 U
COPPER	NA	150	NC	0.85 U	1 J	0.99 J	1.3 J	0.85 U	1.3 J	1.2 J	0.86 U	1.5 J
LEAD	NC	400	NC	0.44 UJ	0.45 J	1.3 U	2	1.15 U	1 UJ	1.3 U	1.2 U	2.1
MERCURY	NC	3	2.1	0.08 U	0.07 U	0.09 U	0.08 U	0.08 U	0.09 U	0.08 U	0.08 U	0.08 U
NICKEL	NC	340	130	1.6 U	1.5 U	1.6 U	1.5 U	1.5 U	1.6 U	1.6 U	1.6 U	1.6 U
SELENIUM	NA	440	5.2	0.28 U	0.28 U	0.29 UJ	0.28 UJ	0.28 U	0.29 UJ	0.29 UJ	0.28 UJ	0.29 J
SILVER	NC	410	17	0.44 U	0.44 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U	0.52 U
TIN	NA	47000	NC	2.4 J	3.7 J	3.2 J	2 U	2.95	2.6 J	2.4 J	2.7 J	3.1 J
VANADIUM	NA	67	980	1.7 J	1.6 J	2.3 J	1.3 J	0.925	1.7 J	2.5 J	2.2 J	1.3 J
ZINC	NA	26000	NC	1.3 U	1.4 U	8.6	3.7 J	1.45	2 J	2.3 J	2.2 J	2.9 J
PESTICIDES/PCBS (mg/kg)												
4,4'-DDE	NC	2.9	18	0.00065 U	0.00072 U	0.0018 U	0.00071 U	0.000715 U	0.00072 U	0.00075 U	0.00073 U	0.00074 U
4,4'-DDT	NC	2.9	11	0.0014 U	0.0014 U	0.0035 U	0.0014 U	0.0014 U	0.0014 U	0.0015 U	0.0014 U	0.0014 U
SEMIVOLATILES (mg/kg)												
2-CHLOROPHENOL	NC	130	0.7	0.71 U	0.35 U	0.36 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
BENZO(A)ANTHRACENE	NC	NC	0.8	0.71 U	0.35 U	0.046 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
BENZO(A)PYRENE	NC	0.1	8	0.71 U	0.35 U	0.05 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
BENZO(B)FLUORANTHENE	NC	NC	2.4	0.71 U	0.35 U	0.05 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
BENZO(G,H,I)PERYLENE	NC	2500	32000	0.71 U	0.35 U	0.05 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
BENZO(K)FLUORANTHENE	NC	NC	24	0.71 U	0.35 U	0.048 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
BIS(2-ETHYLHEXYL)PHTHALATE	NC	72	3600	0.71 U	0.35 U	0.095 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
BUTYL BENZYL PHTHALATE	NC	17000	310	0.71 U	0.35 U	0.1 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
CHRYSENE	NC	NC	77	0.71 U	0.35 U	0.042 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
DIBENZO(A,H)ANTHRACENE	NC	NC	0.7	0.71 U	0.35 U	0.052 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
DIETHYL PHTHALATE	NC	61000	86	0.71 U	0.35 U	0.36 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
DI-N-BUTYL PHTHALATE	NC	8200	47	0.71 U	0.35 U	0.36 U	0.35 U	0.35 U	0.16 J	0.37 U	0.36 U	0.36 U
DI-N-OCTYL PHTHALATE	NC	1700	480000	0.71 U	0.35 U	0.04 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
FLUORANTHENE	NC	3200	1200	0.71 U	0.35 U	0.049 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
INDENO(1,2,3-CD)PYRENE	NC	NC	6.6	0.71 U	0.35 U	0.048 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
PYRENE	NC	2400	880	0.71 U	0.35 U	0.039 J	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
VOLATILES (mg/kg)												
2-BUTANONE	NC	16000	17	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R	0.011 R
4-CHLORO-3-METHYLPHENOL	NC	600	0.4	0.71 U	0.35 U	0.36 U	0.35 U	0.35 U	0.35 U	0.37 U	0.36 U	0.36 U
ACETONE	NC	11000	25	0.037 U	0.097 J	0.025 U	0.036 U	0.0295 U	0.024 U	0.029 U	0.04 U	0.025 U
CARBON DISULFIDE	NC	270	5.6	0.005 U	0.005 U	0.006 U	0.005 U	0.006 U	0.005 U	0.005 U	0.005 U	0.005 U
METHYLENE CHLORIDE	NC	17	0.02	0.008 U	0.008 U	0.01 U	0.009 U	0.01 U	0.005 U	0.009 U	0.011 U	0.008 U
TOTAL XYLENES	NC	130	0.2	0.005 U	0.001 J	0.001 J	0.002 J	0.006 U	0.005 U	0.002 J	0.005 U	0.005 U

NAVSTA MAYPORT, SWMU 28
DETECTED SURFACE SOIL RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUES	FDEP RESIDENTIAL SCTL	FDEP LEACHABILITY TO GROUNDWATER SCTL	MPT-28-SS20	MPT-28-SS21	MPT-28-SS21	MPT-28-SS24	MPT-28-SS26	MPT-28-SS29	MPT-28-SS30		MPT-28-SS32
SAMPLE IDENTIFICATION				28SS02001	28SS02101-AVG	28SS02101-D	28SS02401	28SS02601	28SS02901	28SS03001	28SS03001-D	28SS03201
SAMPLE DATE				19940806	19940805	19940805	19940805	19940805	19940805	19940805	19940805	19940806
BOTTOM DEPTH				1	1	1	1	1	1	1	1	1
METALS (mg/kg)												
ANTIMONY	NC	27	5.4	0.48 UJ	0.48 U	0.48 U	0.47 U	0.47 U	0.47 U	0.46 UJ	0.46 U	0.48 UJ
ARSENIC	13.7	2.1	NC	1.5 J	0.49	0.52 J	1.1 J	0.49 J	0.75 J	0.77 J	0.6 J	3.2
BARIUM	NA	120	1600	6.4 J	4.15	5.4 J	7.1 J	3.5 J	4.2 J	5.4 J	6.2 J	5.3 J
BERYLLIUM	NA	120	63	0.05 J	0.125	0.13 J	0.13 J	0.1 J	0.12 J	0.1 J	0.15 J	0.07 U
CADMIUM	NA	82	7.5	0.65 U	0.65 U	0.65 U	0.64 U	0.64 U	0.64 U	0.63 U	0.63 U	0.66 U
CHROMIUM	NA	210	38	2.3	2.65	2.7	3.9	2.4	2 J	2.4	3	2.2
COBALT	NC	1700	NC	0.57 U	0.4775	0.57 U	0.95 J	0.56 U	0.57 U	0.56 U	0.56 U	0.58 U
COPPER	NA	150	NC	0.86 U	0.86 U	0.86 U	2.2 J	0.84 U	0.84 U	1.8 J	2.6 J	0.93 U
LEAD	NC	400	NC	1 U	2.1	1.2 J	0.83 J	0.92 J	1 J	0.42 UJ	1 J	2.4 J
MERCURY	NC	3	2.1	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U	0.08 U
NICKEL	NC	340	130	1.6 U	1.6 U	1.6 U	1.5 U	1.5 U	1.5 U	1.5 U	1.5 U	1.6 U
SELENIUM	NA	440	5.2	0.28 UJ	0.28 U	0.28 U	0.28 U	0.28 U	0.28 U	0.27 UJ	0.28 U	0.43 UJ
SILVER	NC	410	17	0.52 UJ	0.445 U	0.44 U	0.43 U	0.44 U	0.44 U	0.43 U	0.43 U	0.45 U
TIN	NA	47000	NC	2.4 J	3.85	4.4 J	3.5 J	3.8 J	3 J	3.5 J	3.2 J	4.3 J
VANADIUM	NA	67	980	2.2 J	2.3	2.7 J	3.8 J	1.6 J	1.5 J	1.8 J	1.8 J	1.6 J
ZINC	NA	26000	NC	1.8 J	1.065 U	1.2 U	1.6 U	0.56 U	1.35 U	1.2 U	0.56 U	2.3 U
PESTICIDES/PCBS (mg/kg)												
4,4'-DDE	NC	2.9	18	0.00071 U	0.00069 U	0.00073 U	0.00065 U	0.00071 U	0.00072 U	0.00069 U	0.0008 U	0.00073 U
4,4'-DDT	NC	2.9	11	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0014 U	0.0013 U	0.0015 U	0.0014 U
SEMIVOLATILES (mg/kg)												
2-CHLOROPHENOL	NC	130	0.7	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.089 J	0.34 U	0.39 U	0.36 U
BENZO(A)ANTHRACENE	NC	NC	0.8	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
BENZO(A)PYRENE	NC	0.1	8	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
BENZO(B)FLUORANTHENE	NC	NC	2.4	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
BENZO(G,H,I)PERYLENE	NC	2500	32000	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
BENZO(K)FLUORANTHENE	NC	NC	24	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
BIS(2-ETHYLHEXYL)PHTHALATE	NC	72	3600	0.35 U	0.044 J	0.044 J	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
BUTYL BENZYL PHTHALATE	NC	17000	310	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
CHRYSENE	NC	NC	77	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
DIBENZO(A,H)ANTHRACENE	NC	NC	0.7	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
DIETHYL PHTHALATE	NC	61000	86	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
DI-N-BUTYL PHTHALATE	NC	8200	47	0.35 U	0.052 J	0.052 J	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
DI-N-OCTYL PHTHALATE	NC	1700	480000	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
FLUORANTHENE	NC	3200	1200	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
INDENO(1,2,3-CD)PYRENE	NC	NC	6.6	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.35 U	0.34 U	0.39 U	0.36 U
PYRENE	NC	2400	880	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.062 J	0.34 U	0.39 U	0.36 U
VOLATILES (mg/kg)												
2-BUTANONE	NC	16000	17	0.011 R	0.011 R	0.011 R	0.01 R	0.012 R	0.011 R	0.01 R	0.01 R	0.011 R
4-CHLORO-3-METHYLPHENOL	NC	600	0.4	0.35 U	0.535 U	0.36 U	0.35 U	0.35 U	0.055 J	0.34 U	0.39 U	0.36 U
ACETONE	NC	11000	25	0.024 U	0.042 U	0.031 U	0.025 U	0.11 J	0.029 U	0.01 U	0.01 U	0.024 UJ
CARBON DISULFIDE	NC	270	5.6	0.005 U	0.005 U	0.005 U	0.005 U	0.006 U	0.005 U	0.005 U	0.005 U	0.005 U
METHYLENE CHLORIDE	NC	17	0.02	0.008 U	0.007 U	0.005 U	0.006 U	0.013 U	0.007 U	0.006 U	0.006 U	0.015 U
TOTAL XYLENES	NC	130	0.2	0.005 U	0.005 U	0.005 U	0.005 U	0.006 U	0.005 U	0.005 U	0.005 U	0.005 U

NAVSTA MAYPORT, SWMU 28
DETECTED SURFACE SOIL RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUES	FDEP RESIDENTIAL SCTL	FDEP LEACHABILITY TO GROUNDWATER SCTL	MPT-28-SS33	MPT-28-SS35	MPT-B-SS_BS-01		UNDEFINED
SAMPLE IDENTIFICATION				28SS03301	28SS03501	15SS03001	MPTBSS1-AVG	15U03001
SAMPLE DATE				19940806	19940810	19940913	19930216	19940913
BOTTOM DEPTH				1	1	1	-9999	1
METALS (mg/kg)								
ANTIMONY	NC	27	5.4	0.47 UJ	0.5 UJ	NA	5.3 U	1.1 U
ARSENIC	13.7	2.1	NC	0.9 J	1.2 J	NA	2.2 U	0.58 J
BARIUM	NA	120	1600	8.9 J	7.5 J	NA	2.7 J	6.9 J
BERYLLIUM	NA	120	63	0.09 U	0.2 J	NA	0.06 U	0.18 J
CADMIUM	NA	82	7.5	0.64 U	0.67 U	NA	0.83 U	0.47 J
CHROMIUM	NA	210	38	2.5	5	NA	1.5 J	2.6
COBALT	NC	1700	NC	0.56 U	1 J	NA	0.47 U	0.66 U
COPPER	NA	150	NC	0.93 U	4.1 U	NA	2.1 J	3.9 J
LEAD	NC	400	NC	5.6 J	3.2	NA	1.5 U	5.8 J
MERCURY	NC	3	2.1	0.08 U	0.09 U	NA	0.03 U	0.06 R
NICKEL	NC	340	130	1.5 U	1.6 J	NA	2.6 U	1.8 J
SELENIUM	NA	440	5.2	0.43 U	0.29 UJ	NA	0.72 J	0.13 U
SILVER	NC	410	17	0.78 J	0.46 U	NA	0.51 U	0.45 U
TIN	NA	47000	NC	3 J	2.1 U	NA	7.3 U	2.3 J
VANADIUM	NA	67	980	2.2 J	5 J	NA	1.7 J	4 J
ZINC	NA	26000	NC	3.4 U	15	NA	1.7 J	11.2 J
PESTICIDES/PCBS (mg/kg)								
4,4'-DDE	NC	2.9	18	0.00071 U	0.00075 U	0.0038	0.0007 U	NA
4,4'-DDT	NC	2.9	11	0.0014 U	0.0015 U	0.0022	0.0014 U	NA
SEMIVOLATILES (mg/kg)								
2-CHLOROPHENOL	NC	130	0.7	0.35 U	0.37 U	NA	0.34 U	NA
BENZO(A)ANTHRACENE	NC	NC	0.8	0.35 U	0.37 U	NA	0.34 U	NA
BENZO(A)PYRENE	NC	0.1	8	0.35 U	0.37 U	NA	0.34 U	NA
BENZO(B)FLUORANTHENE	NC	NC	2.4	0.35 U	0.37 U	NA	0.34 U	NA
BENZO(G,H,I)PERYLENE	NC	2500	32000	0.35 U	0.37 U	NA	0.34 U	NA
BENZO(K)FLUORANTHENE	NC	NC	24	0.35 U	0.37 U	NA	0.34 U	NA
BIS(2-ETHYLHEXYL)PHTHALATE	NC	72	3600	0.35 U	0.37 U	NA	0.34 U	NA
BUTYL BENZYL PHTHALATE	NC	17000	310	0.35 U	0.37 U	NA	0.34 U	NA
CHRYSENE	NC	NC	77	0.35 U	0.37 U	NA	0.34 U	NA
DIBENZO(A,H)ANTHRACENE	NC	NC	0.7	0.35 U	0.37 U	NA	0.34 U	NA
DIETHYL PHTHALATE	NC	61000	86	0.35 U	0.37 U	NA	0.34 U	NA
DI-N-BUTYL PHTHALATE	NC	8200	47	0.35 U	0.37 U	NA	0.34 U	NA
DI-N-OCTYL PHTHALATE	NC	1700	480000	0.35 U	0.37 U	NA	0.34 U	NA
FLUORANTHENE	NC	3200	1200	0.35 U	0.37 U	NA	0.34 U	NA
INDENO(1,2,3-CD)PYRENE	NC	NC	6.6	0.35 U	0.37 U	NA	0.34 U	NA
PYRENE	NC	2400	880	0.35 U	0.37 U	NA	0.34 U	NA
VOLATILES (mg/kg)								
2-BUTANONE	NC	16000	17	0.01 R	0.011 U	NA	0.01 U	NA
4-CHLORO-3-METHYLPHENOL	NC	600	0.4	0.35 U	0.37 U	NA	0.34 U	NA
ACETONE	NC	11000	25	0.027 UJ	0.011 U	NA	0.01 U	NA
CARBON DISULFIDE	NC	270	5.6	0.005 U	0.006 U	NA	0.005 U	NA
METHYLENE CHLORIDE	NC	17	0.02	0.017 U	0.006 U	NA	0.005 U	NA
TOTAL XYLENES	NC	130	0.2	0.005 U	0.006 U	NA	0.005 U	NA

Notes:
NA = not analyzed
NC = no noncentration

SWMU 56

NAVSTA MAYPORT, SWMU 56
DETECTED GROUNDWATER RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP GCTL	MPT-56-MW01S
SAMPLE IDENTIFICATION			56MW001S
SAMPLE DATE			19940910
METALS (µg/L)			
BARIUM	37.8	2000	9.7 J
IRON	494	300	477
MANGANESE	141	50	89.4
VANADIUM	6	49	3.8 J
VOLATILES (µg/L)			
ACETONE	NC	6300	14 J

Notes:

NC = no criteria

NAVSTA MAYPORT, SWMU 56
DETECTED SUBSURFACE SOIL RESULTS

LOCATION	NAVSTA MAYPORT BACKGROUND VALUE	FDEP RESIDENTIAL SCTL	FDEP INDUSTRIAL SCTL	FDEP LEACHABILITY TO GROUNDWATER SCTL	MPT-56-SS_BS01	MPT-56-SS_BS02	MPT-56-SS_BS03	MPT-56-SS_BS04
SAMPLE IDENTIFICATION					56BS00104	56BS00204	56BS00304	56BS00405
SAMPLE DATE					19940901	19940901	19940901	19940901
TOP DEPTH					4	4	4	5
BOTTOM DEPTH					4	4	4	5
METALS (mg/kg)								
ARSENIC	0.7	2.1	12	NC	0.55 J	0.61 J	0.48 J	0.42 J
BARIUM	7.2	120	130000	1600	3.1 J	2.5 J	2.4 U	3.2 J
LEAD	1.66	400	1400	NC	1.2 J	0.98 J	0.92 J	0.97 J
VANADIUM	3.1	67	10000	980	1.8 J	1.9 J	2 J	1.4 J
ZINC	4.9	26000	630000	NC	3.8 U	5.4 J	3.9 U	6.7 J
PESTICIDES/PCBs (mg/kg)								
4,4'-DDE	NC	2.9	15	18	0.0018	0.0063	0.0024	0.0021
VOLATILES (mg/kg)								
ACETONE	NC	11000	68000	25	0.025	0.008 J	0.009 J	0.013 U

Notes:

NC = no criteria

NAVSTA MAYPORT, SWMU 56
DETECTED SURFACE SOIL RESULTS

LOCATION SAMPLE IDENTIFICATION SAMPLE DATE	**NAVSTA MAYPORT BACKGROUND VALUE**	**FDEP RESIDENTIAL SCTL**	**FDEP INDUSTRIAL SCTL**	**FDEP LEACHABILITY TO GROUNDWATER SCTL**	MPT-56-SS01		
					56SS00101 19940901	56SS00101-AVG 19940901	56SS00101-D 19940901
METALS (mg/kg)							
ARSENIC	13.7	2.1	12	NC	0.94 J	0.94	0.94 J
BARIUM	5.5	120	130000	1600	7.4 J	10.15	12.9 J
CADMIUM	1.1	82	1700	7.5	0.39 J	1.245	2.1
CHROMIUM	2.6	210	470	38	7.2 J	12.4	17.6 J
COBALT	NC	1700	42000	NC	0.66 U	0.655 U	0.65 U
COPPER	0.69	150	89000	NC	6.8 J	16.25	25.7 J
LEAD	NC	400	1400	NC	7.4 J	14	20.6 J
NICKEL	NC	340	35000	130	2.1 J	3.8	5.5 J
SELENIUM	1.2	440	11000	5.2	0.15 J	0.105	0.12 UJ
THALLIUM	NC	6.1	150	2.8	0.13 U	0.125 U	0.12 U
VANADIUM	3.4	67	10000	980	4.7 J	4.75	4.8 J
ZINC	2.7	26000	630000	NC	24 J	56.4	88.8 J
PESTICIDES/PCBS (mg/kg)							
4,4'-DDE	NC	2.9	15	18	0.001 J	0.000675	0.0007 U
VOLATILES (mg/kg)							
ACETONE	NC	11000	68000	25	0.011 U	0.008 J	0.008 J

NAVSTA MAYPORT, SWMU 56
DETECTED SURFACE SOIL RESULTS

LOCATION SAMPLE IDENTIFICATION SAMPLE DATE	**NAVSTA MAYPORT BACKGROUND VALUE**	**FDEP RESIDENTIAL SCTL**	**FDEP INDUSTRIAL SCTL**	**FDEP LEACHABILITY TO GROUNDWATER SCTL**	MPT-56-SS02 56SS00201 19940901	MPT-56-SS03 56SS00301 19940901	MPT-56-SS04 56SS00401 19940901
METALS (mg/kg)							
ARSENIC	13.7	2.1	12	NC	0.62 J	0.71 J	0.73 J
BARIUM	5.5	120	130000	1600	4.5 J	7 J	7.4 J
CADMIUM	1.1	82	1700	7.5	0.21 U	0.23 J	0.42 J
CHROMIUM	2.6	210	470	38	3.7 J	7.2 J	5 J
COBALT	NC	1700	42000	NC	0.64 U	0.71 J	0.65 U
COPPER	0.69	150	89000	NC	2.4 J	3.9 J	6.3 J
LEAD	NC	400	1400	NC	2.7 J	7.9 J	7 J
NICKEL	NC	340	35000	130	1.5 J	1.9 J	2.3 J
SELENIUM	1.2	440	11000	5.2	0.12 UJ	0.13 UJ	0.14 J
THALLIUM	NC	6.1	150	2.8	0.12 U	0.13 U	0.15 J
VANADIUM	3.4	67	10000	980	2.9 J	4.8 J	4.1 J
ZINC	2.7	26000	630000	NC	8.4 J	15.9 J	31.7 J
PESTICIDES/PCBS (mg/kg)							
4,4'-DDE	NC	2.9	15	18	0.00069 U	0.0007 U	0.0015
VOLATILES (mg/kg)							
ACETONE	NC	11000	68000	25	0.01 U	0.011 U	0.01 U

Notes:

NC = no criteria

APPENDIX C

1998 GROUNDWATER SAMPLING REPORT, SWMU 19

Harding Lawson Associates

October 14, 1998

Southern Division
Naval Facilities Engineering Command
ATTN: Ms. Adrienne Wilson
P.O. Box 190010
2155 Eagle Drive
North Charleston, SC 29418

SUBJECT: Groundwater Sample Results
Solid Waste Management Unit (SWMU) 19
U.S. Naval Station (NAVSTA), Mayport, Florida
Navy CLEAN District I CTO #0028
Contract No. N62467-89-D-0317

Dear Adrienne:

The Florida Department of Environmental Protection (FDEP) requested during U.S. Naval Station Mayport Partnering Meetings that the Navy collect a groundwater sample that was representative of the shallow aquifer zone at SWMU 19. SWMU 19 is located in the northern part of NAVSTA Mayport, on the southern shore of the St. Johns River. Location maps of NAVSTA Mayport and SWMU 19 are provided in Attachment A, which contains Figures 1-1 and 1-2 from the Resource Conservation and Recovery Act (RCRA) Facility Assessment Sampling Visit report for SWMU Groups I and II (ABB Environmental Services, Inc. [ABB-ES], 1995a).

The purpose of the groundwater sampling event is to demonstrate that the abrasive blasting activities that occurred at the site have not adversely impacted groundwater quality. Assessment activities for the abrasive blasting medium (Black Beauty®), soil and sediment at SWMU 19 were previously reported in a RCRA Facility Assessment Sampling Visit report for SWMU Groups I and II (ABB-ES, 1995a).

A temporary monitoring well was installed using a TerraProbe℠ at SWMU 19 on June 18, 1998. The location of the temporary well is shown on Figure 6-2 in Attachment A. Figure 6-2 is from the RCRA Facility Assessment Sampling Visit report for SWMU Groups I and II (ABB-ES, 1995a). The well was installed to a depth of 16 feet beneath the land surface, and had a 6 foot length of screen. A groundwater sample was collected on July 16, 1998 using the low flow purging and sampling protocol.

The low-flow sampling protocol results in samples that are considered representative of dissolved and colloidal elements and/or complexes present in the aquifer zone that is adjacent to the well screen (Puls and Baccelona, 1996). The purging

and sampling procedures followed established standard protocols (ABB-ES, 1995b and U.S. Environmental Protection Agency [USEPA], 1996).

The groundwater sample was placed in a cooler refrigerated with ice and submitted overnight under chain of custody protocol to the analytical laboratory. Because the only reported use of SWMU 19 was for abrasive blasting of unpainted metal parts (A.T. Kearney, 1989), the groundwater sample was analyzed for aluminum, antimony, arsenic, barium, beryllium, cadmium, calcium, chromium, cobalt, copper, iron, lead, magnesium, mercury, nickel, potassium, selenium, silver, sodium, thallium, vanadium, and zinc.

Sample holding times were met, and the laboratory did not report any significant deviations from the analytical protocol. This suggest that the analytical results are of sufficient quality to characterize inorganic chemicals present in the groundwater sample.

Analytes detected in the groundwater sample consist of cadmium (1 microgram per liter [$\mu g/\ell$]), calcium (74,000 $\mu g/\ell$), iron (330 $\mu g/\ell$), magnesium (19,000 $\mu g/\ell$), manganese (39 $\mu g/\ell$), potassium (7,100 $\mu g/\ell$), and sodium (13,000 $\mu g/\ell$). Analytical results are provided in Attachment B.

Cadmium, manganese, and sodium were detected at concentrations that were less than their respective Florida groundwater guidance concentrations (FDEP, 1994) of 5, 50 and 160,000 $\mu g/\ell$. However, comparison of the analytical results to Florida groundwater guidance concentrations indicates that iron exceeds the promulgated (Florida Administrative Code 62-550.320) secondary criteria of 300 $\mu g/\ell$.

Iron is an essential element in the metabolism of animals and plants. Human health based nutrient levels for iron in groundwater range from approximately 11,000 (USEPA, 1998) to 13,267 $\mu g/\ell$ (ABB-ES, 1995b). The regulatory criteria is based on iron-forming red hydroxide precipitates that stain laundry and plumbing fixtures and, therefore, is an objectional impurity in domestic and industrial water supplies (Hem, 1992).

The detection of iron at concentrations exceeding its regulatory criteria is consistent with the finding by the US Geological Survey that indicates the surficial aquifer system at NAVSTA Mayport is a dynamic system modified by natural and anthropogenic forces with an expanding freshwater system that still contains saltwater that is being flushed from the system (USGS, 1998). Because the aquifer system has not been completely flushed it is likely that the concentration of iron detected in the groundwater sample from SWMU 19 is not a result of a release from SWMU 15. This is also consistent with the background screening concentration for iron in groundwater at NAVSTA Mayport which is 1,728 $\mu g/\ell$ (ABB-ES, 1994; and 1995b).

Calcium, magnesium, potassium, and sodium are also essential nutrients. The detected concentrations of calcium, magnesium, potassium and sodium were less than their respective essential nutrient criteria (ABB-ES, 1995b) of 1,055,398, 118,807, 297,016, and 396,022 $\mu g/\ell$.

Currently there are no plans by the Navy to utilize the shallow groundwater beneath SWMU 19 for potable or industrial uses.

No further action under the NAVSTA Mayport Resource Conservation and Recovery Act (RCRA) Corrective Action Program is recommended for SWMU 19. It is also recommended that land use be restricted to industrial, and the site be added to the NAVSTA Mayport Memorandum of Agreement for Land Use Controls dated August 31, 1998. The recommendations are based on the following:

- the findings of the above limited groundwater assessment,
- the detection of arsenic in a soil sample (ABB-ES, 1995a) at a concentration that exceeds Florida residential soil cleanup goals (FDEP, 1996; and Tonner-Navarro, and Roberts, 1977), and
- the excavation, removal, and disposal (RCRA Subtitle D facility, Trail Ridge Landfill) of the Black Beauty® at SWMU 19 between May 12 through 14, 1998.

The above information has been prepared under the direction of a Florida Registered Professional Geologist. The work and professional opinions rendered herein were conducted or developed in accordance with commonly accepted protocols and procedures. If conditions are discovered or determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of any additional information on the assessment and recommendations in this document. This document was prepared to provide information for evaluating whether or not RCRA Corrective Action assessment activities should be continued at SWMU 19, which is located at NAVSTA, Mayport, Florida, and should not be construed to apply for any other purpose or site.

If you have any questions concerning the above information please contact me.

Sincerely,

Harding Lawson Associates, Inc.

Francis K. Lesesne, P.G.
Technical Lead

cc: Randy Bishop, NAVSTA Mayport
Jim Cason, FDEP
Martha Berry, USEPA

References

ABB-ES. 1994. Technical Memorandum Background Characterization Activities, Resource conservation and Recovery Act (RCRA) Facility Investigation, U.S. Naval Station (NAVSTA), Mayport, Florida. prepared for Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM), North Charleston, South Carolina. (April).

ABB-ES. 1995a. RCRA Facility Assessment Sampling Visit Report Groups I and II, U.S. Naval Station (NAVSTA), Mayport, Florida. prepared for Southern Division Naval Facilities Engineering Command (SOUTHNAVFACENGCOM), North Charleston, South Carolina. (July).

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FDEP, 1996, Memorandum from John M. Rudell, Director, Division of Waste Management to District Directors, Waste Program Administrators, Applicability of Soil Cleanup Goals for Florida, (January 19).

Hem, John D., 1992, Study and Interpretation of the Chemical Characteristics of Natural Water, Third Edition, U.S. Geological Water-Supply Paper 2254, United States Government Printing Office, Washington, D.C., 263 pages.

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Tonner-Navarro, Lisa, PhD., and Roberts, Stephen, PhD. 1977. Development of Risk-Based Soil Cleanup Target Levels (SCTLs) for Chapter 62-785, F.A.C., Prepared for the Division of Waste Management, FDEP. (November 17).

Puls Robert, and Michael Barcelona. 1996. Low Flow (Minimal Drawdown) Groundwater Sampling Procedures. US Environmental Protection Agency (USEPA) Office of Research and Development and Office of Solid Waste and Emergency Response. EPA/540/S-95/504. (April).

US Environmental Protection Agency (USEPA). 1996. Environmental Investigations Standard Operating Procedures and Quality Assurance Manual. USEPA Region 4, Athens, Georgia. (May).

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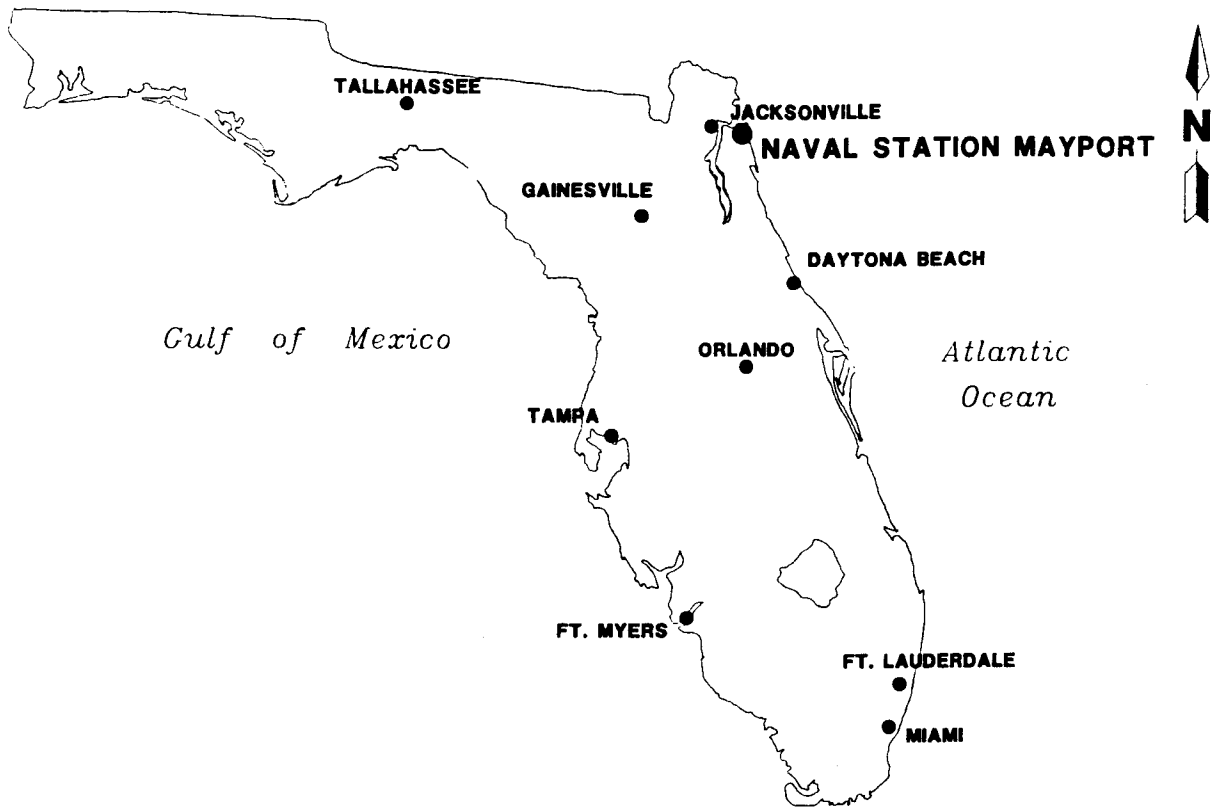
ATTACHMENT A
FIGURES



NOT TO SCALE

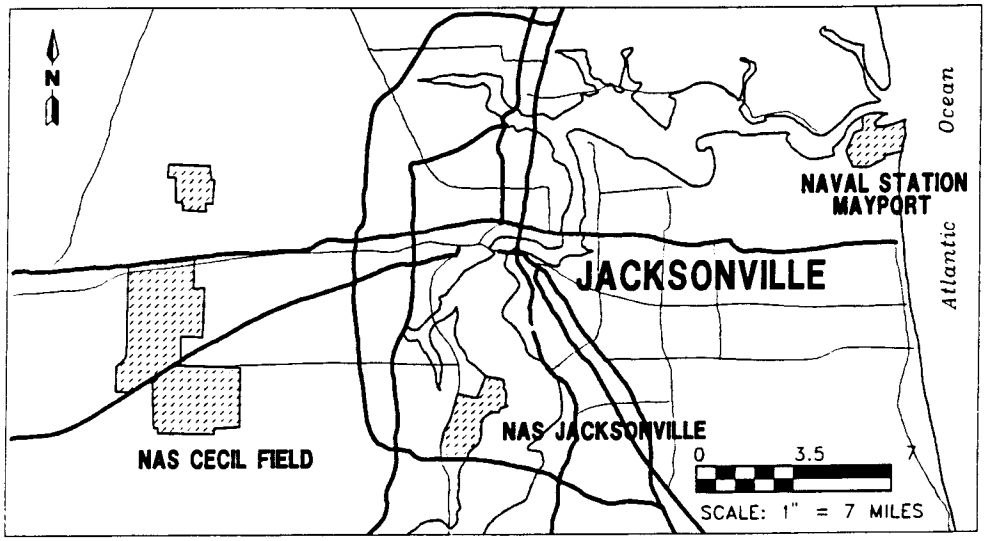
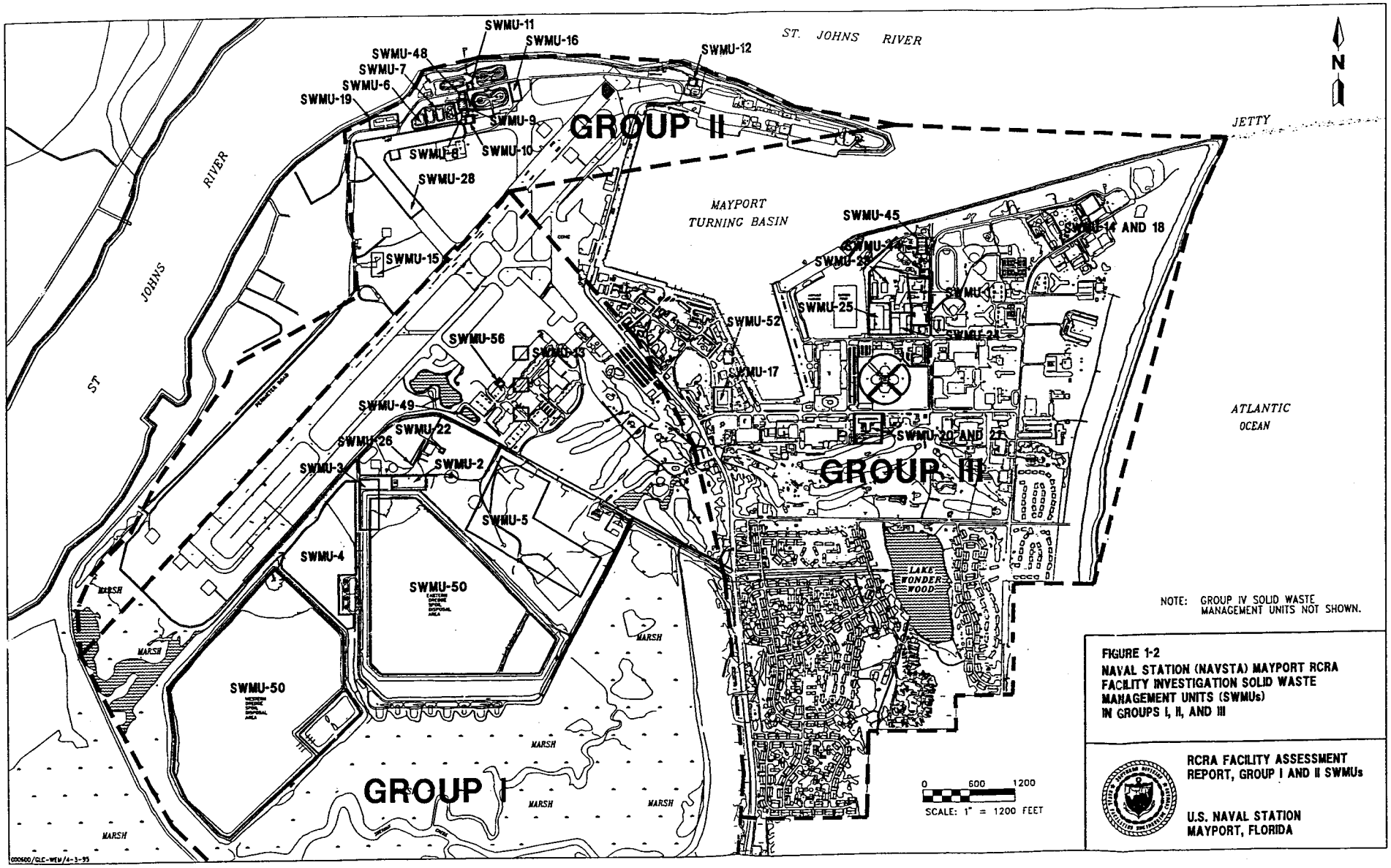


FIGURE 1-1
FACILITY LOCATION MAP

000100/KGP-WDW-GLC/3-7-95

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA



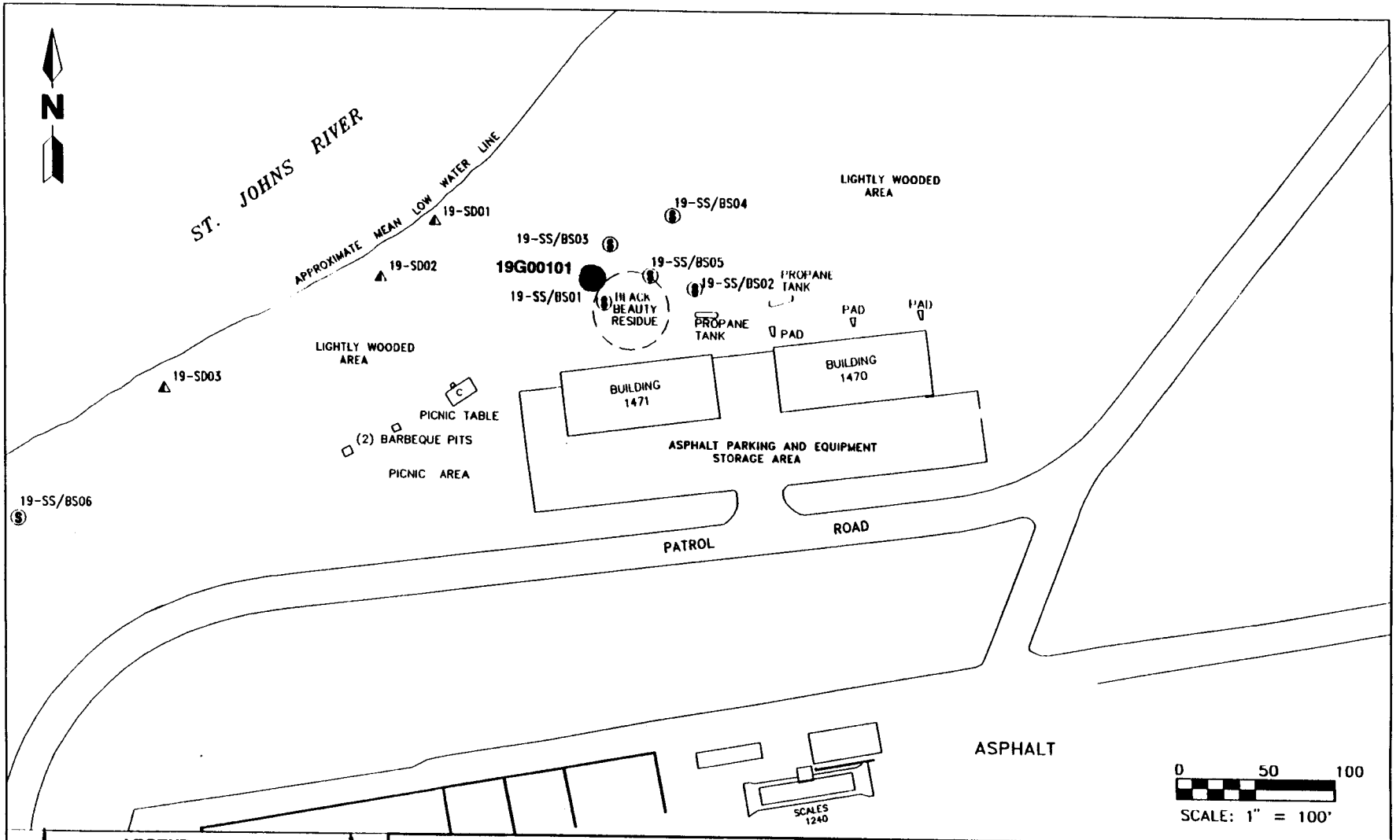
NOTE: GROUP IV SOLID WASTE MANAGEMENT UNITS NOT SHOWN.

FIGURE 1-2
NAVAL STATION (NAVSTA) MAYPORT RCRA FACILITY INVESTIGATION SOLID WASTE MANAGEMENT UNITS (SWMUs) IN GROUPS I, II, AND III

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

000500/GLC-WEW/4-3-95



LEGEND

- Soil Sampling Location
- Sediment Sampling Location
- Temporary Monitoring Well

001000/MJ-GIC/4-5-95

FIGURE 6-2
1994 SOIL AND SEDIMENT SAMPLING LOCATIONS
SWMU 19, NADEP BLASTING AREA

RCRA FACILITY ASSESMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

ATTACHMENT B
ANALYTICAL RESULTS

ENCO LABORATORIES
REPORT # : JR2377
DATE REPORTED: August 5, 1998
REFERENCE : 2504-05
PROJECT NAME : Mayport Bldg. 191

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	19G00101	LAB BLANK	Units
Aluminum	200.7	0.050 U	0.050 U	mg/L
Date Analyzed		07/27/98	07/27/98	
Antimony	204.2	0.0050 U	0.0050 U	mg/L
Date Analyzed		08/02/98	08/02/98	
Arsenic	200.7	0.010 U	0.010 U	mg/L
Date Analyzed		07/23/98	07/23/98	
Barium	200.7	0.10 U	0.10 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Beryllium	200.7	0.0010 U	0.0010 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Cadmium	200.7	**0.0010** I	0.0010 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Calcium	200.7	**74**	0.50 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Chromium	200.7	0.010 U	0.010 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Cobalt	200.7	0.050 U	0.050 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Copper	200.7	0.050 U	0.050 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Iron	200.7	**0.33**	0.050 U	mg/L
Date Analyzed		07/22/98	07/22/98	

U = Compound was analyzed for but not detected to the level shown.
I = Analyte detected; value is between the Method Detection Level (MDL) and the Practical Quantitation Level (PQL).

ENCO LABORATORIES
REPORT # : JR2377
DATE REPORTED: August 5, 1998
REFERENCE : 2504-05
PROJECT NAME : Mayport Bldg. 191

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	19G00101	LAB BLANK	Units
Lead	200.7	0.0050 U	0.0050 U	mg/L
Date Analyzed		07/23/98	07/23/98	
Magnesium	200.7	**19**	0.50 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Manganese	200.7	**0.039**	0.010 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Mercury	245.1	0.00020 U	0.00020 U	mg/L
Date Analyzed		07/27/98	07/27/98	
Nickel	200.7	0.010 U	0.010 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Potassium	200.7	**7.1**	0.50 U	mg/L
Date Analyzed		07/23/98	07/23/98	
Selenium	200.7	0.010 U	0.010 U	mg/L
Date Analyzed		07/23/98	07/23/98	
Silver	200.7	0.010 U	0.010 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Sodium	273.1	**13**	0.13 U	mg/L
Date Analyzed		07/23/98	07/23/98	
Thallium	279.2	0.0020 U	0.0020 U	mg/L
Date Analyzed		08/04/98	08/04/98	
Thallium	200.7	0.0040 U	0.0040 U	mg/L
Date Analyzed		07/22/98	07/22/98	

U = Compound was analyzed for but not detected to the level shown.

ENCO LABORATORIES
REPORT # : JR2377
DATE REPORTED: August 5, 1998
REFERENCE : 2504-05
PROJECT NAME : Mayport Bldg. 191

RESULTS OF ANALYSIS

TOTAL METALS	METHOD	19G00101	LAB BLANK	Units
Vanadium	200.7	0.010 U	0.010 U	mg/L
Date Analyzed		07/22/98	07/22/98	
Zinc	200.7	0.10 U	0.10 U	mg/L
Date Analyzed		07/22/98	07/22/98	

MISCELLANEOUS	METHOD	19G00101	LAB BLANK	Units
Nitrate-Nitrite-N	353.1	NR	0.020 U	mg/L
Date Analyzed			07/24/98	

U = Compound was analyzed for but not detected to the level shown.
NR = Analysis not requested for this sample.

APPENDIX D

COSTING SPREADSHEETS, SWMU 26

TABLE D1

U.S. NAVAL STATION MAYPORT, JACKSONVILLE, FLORIDA
SWMU 26
SOIL ATLERNATIVE 2: LAND USE CONTROLS, MONITORING
CAPITAL COSTS

Cost Item	Quantity	Unit	Unit Cost				Extended Cost				Subtotal
			Subcontract	Material	Labor	Equipment	Subcontract	Material	Labor	Equipment	
1 PROJECT PLANNING											
1.1 Prepare Corrective Measures Implementation Plan	40	hours			$44.65		$0	$0	$1,786	$0	$1,786
1.2 Project Scheduling and Procurement	8	hours			$44.65		$0	$0	$357	$0	$357
2 LAND USE CONTROLS							$0				
2.1 Site Survey (2-man crew)	3	days	$1,083.00				$3,249	$0	$0	$0	$3,249
2.2 Prepare Land Use Plan	100	hours			$44.65		$0	$0	$4,465	$0	$4,465
2.3 Modify Master Plan and Prepare Deed Restrictions	80	hours			$44.65		$0	$0	$3,572	$0	$3,572
3 PROFESSIONAL SERVICES											
3.1 Drawings Prep. And Engineering Oversight	40	hours			$44.65		$0	$0	$1,786	$0	$1,786
Subtotal Direct Capital Costs less Subcontract							**$3,249**	**$0**	**$11,966**	**$0**	**$11,966**
Local Area Adjustment								123%	88%	123%	
								$0	$10,530	$0	$10,530
Overhead on Labor Cost @ 30%									$3,159		$3,159
G & A on Labor Cost @ 10%									$1,053		$1,053
G & A on Material Cost @ 10%								$0		$0	$0
Total Direct Capital Cost								**$0**	**$14,742**	**$0**	**$14,742**
Indirects on Total Direct Labor Cost @ 75%									$11,057		$11,057
Profit on Total Direct Cost @ 10%									$1,474		$1,474
Subtotal											**$27,273**
Health & Safety Monitoring @ 3% (Includes Subcontractor cost)											$818.20
Health & Safety Training, Site-specific Training											$818.20
Total Field Cost											**$28,910**
Subtotal Subcontractor Cost							$3,249				$3,249
G & A on Subcontract Cost @ 10%							$325				$325
Profit on Subcontractor Cost @ 5%							$162				$162
Subcontractor Cost											**$3,736**
Contingency on Total Field and Subcontractor Costs @ 10%											$3,265
Engineering on Total Field and Subcontractor Costs @ 5%											$1,632
TOTAL CAPITAL COST											**$37,543**

Assumptions: Costs to maintain the existing cover are minimal. No additional sampling would be performed.

TABLE D2

U.S. NAVAL STATION MAYPORT, JACKSONVILLE, FLORIDA
SWMU 26
SOIL ATLERNATIVE 2: LAND USE CONTROLS, MONITORING
OPERATION AND MAINTENANCE COSTS PER YEAR

Item	Quantity	Unit	Unit Cost	Subtotal Cost	Notes
1 Energy - Electric		kWh	$0.06	$0	
2 Maintenance of Existing Cover	1	cap	$1,000.00	$1,000	
4 Labor, Mobilization/Demobilization, Per Diem, Supplies		wk	$925.00	$0	
5 Labor, Mobilization/Demobilization, Per Diem, Supplies		mo	$1,950.00	$0	
6 Analysis of Samples		ea	$250.00	$0	
7 Quarterly Reports		ea	$4,000.00	$0	
Total Cost for One Year of Operation				$1,000	

TABLE D3

U.S. NAVAL STATION MAYPORT, JACKSONVILLE, FLORIDA
SWMU 2
SOIL ATLERNATIVE 2: LAND USE CONTROLS, MONITORING
ANNUAL COSTS

Cost Item	Quantity	Unit	Unit Cost[1]	Total Cost
1 FIVE YEAR REVIEW				
1.1 Site Review Meeting (2 persons for 2 days)				
Project Manager	16	hours	$76.00	$1,216
Staff Engineer	16	hours	$52.04	$833
ODCs (travel, etc.)	1	ls	$800.00	$800
1.2 Review Report				
Project Manager	16	hours	$76.00	$1,216
Staff Engineer	32	hours	$52.04	$1,665
ODCs (photocopies, telephone, etc.)	1	ls	$100.00	$100
Subtotal Review Cost				$5,830
G&A and Profit @ 15%				$874
Subtotal Review Cost				$6,704
Total for Review Cost				**$6,704**
2 LAND USE CONTROL MONITORING (FOR 30-YEAR PERIOD)				
2.1 Quarterly Site Inspections				
Project Manager (2 hours for each inspection)	8	hours	$76.00	$608
2.2 Annual Review and Report				
Project Manager	12	hours	$76.00	$912
Staff Engineer	12	hours	$52.04	$624
ODCs (photocopies, telephone, etc.)	1	ls	$100.00	$100
Subtotal Land Use Control Monitoring				$2,244
G&A and Profit @ 15%				$337
Subtotal				$2,581
Total Land Use Control Monitoring Cost				**$2,581**

[1] Includes overhead on professional labor @ 100%.

TABLE D4

U.S. NAVAL STATION MAYPORT, JACKSONVILLE, FLORIDA
SWMU 2
SOIL ATLERNATIVE 2: LAND USE CONTROLS, MONITORING
PRESENT WORTH ANALYSIS

Year	Capital Cost	Operation and Maintenance Cost	Annual Cost	Total Yearly Cost	Present Worth Factor (I = 7%)	Present Worth
0	$37,543			$37,543	1.000	$37,543
1		$1,000	$2,581	$3,581	0.935	$3,348
2		$1,000	$2,581	$3,581	0.873	$3,126
3		$1,000	$2,581	$3,581	0.816	$2,922
4		$1,000	$2,581	$3,581	0.763	$2,732
5		$1,000	$9,286	$10,286	0.713	$7,334
6		$1,000	$2,581	$3,581	0.666	$2,385
7		$1,000	$2,581	$3,581	0.623	$2,231
8		$1,000	$2,581	$3,581	0.582	$2,084
9		$1,000	$2,581	$3,581	0.544	$1,948
10		$1,000	$9,286	$10,286	0.508	$5,225
11		$1,000	$2,581	$3,581	0.475	$1,701
12		$1,000	$2,581	$3,581	0.444	$1,590
13		$1,000	$2,581	$3,581	0.415	$1,486
14		$1,000	$2,581	$3,581	0.388	$1,389
15		$1,000	$9,286	$10,286	0.362	$3,724
16		$1,000	$2,581	$3,581	0.339	$1,214
17		$1,000	$2,581	$3,581	0.317	$1,135
18		$1,000	$2,581	$3,581	0.296	$1,060
19		$1,000	$2,581	$3,581	0.277	$992
20		$1,000	$9,286	$10,286	0.258	$2,654
21		$1,000	$2,581	$3,581	0.242	$867
22		$1,000	$2,581	$3,581	0.226	$809
23		$1,000	$2,581	$3,581	0.211	$756
24		$1,000	$2,581	$3,581	0.197	$705
25		$1,000	$9,286	$10,286	0.184	$1,893
26		$1,000	$2,581	$3,581	0.172	$616
27		$1,000	$2,581	$3,581	0.161	$577
28		$1,000	$2,581	$3,581	0.150	$537
29		$1,000	$2,581	$3,581	0.141	$505
30		$1,000	$9,286	$10,286	0.131	$1,347
				TOTAL PRESENT WORTH		**$96,436**

APPENDIX E

DATA VALIDATION FOR CONFIRMATORY SAMPLING, SWMU 28

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. BALLARD**	**DATE:**	**APRIL 23, 2007**
FROM:	**EDWARD SEDLMYER**	**COPIES:**	**DV FILE**
SUBJECT:	**ORGANIC DATA VALIDATION- PAH CTO 033, NS MAYPORT SDG SA1151**		

SAMPLES: 2 / Aqueous

MPT-28-RB01-031407 MPT-28-RB02-031507

6 / Solid

MPT-28-SB22-04-031407 MPT-28-SB41-04-031407 MPT-28-SB42-04-031407
MPT-28-SB43-03-031407 MPT-28-SB44-03-031407 MPT-28-SB45-02-031407

OVERVIEW

The sample set for NS MAYPORT, SDG SA1151 consists of two (2) rinse blanks and six (6) solid environmental samples. All samples were analyzed for polynuclear aromatic hydrocarbons (PAHs).

The samples were collected by Tetra Tech NUS on March 14 and 15, 2007 and analyzed by Katahdin Analytical Services. All analyses were conducted in accordance with DoD QSM for Environmental Laboratories Quality Assurance/Quality Control (QA/QC) criteria using SW-846 Method 8270C SIM analysis and reporting protocols. The data contained in this SDG were validated with regard to the following parameters:

* • Data completeness
* • Holding times
* • GC/MS Tunes
• Initial/continuing calibrations
* • Laboratory method blank results
* • Surrogate Recoveries
• Blank Spike/Blank Spike Duplicate Results
* • Matrix Spike/Matrix Spike Duplicate Results
* • Internal Standards
* • Compound Quantitation
* • Compound Identification
* • Detection Limits

The symbol (*) indicates that quality control criteria were met for this parameter. Problems affecting data quality are discussed below; documentation supporting these findings is presented in Appendix C. Qualified Analytical results are presented in Appendix A. Results as reported by the laboratory are presented in Appendix B.

PAHs

The continuing calibration had percent differences (%Ds) greater than the 25% quality control limit for benzo(b)fluoranthene, indeno(1,2,3-cd)pyrene, and dibenzo(a,h)anthracene on 03/26/07 @13:08 on instrument GCMS-R. The non-detected results for the aforementioned compounds have been qualified as estimated (UJ) in all samples except sample MPT-28-SB42-04-03140.

The laboratory control sample (LCS) associated with batch WG37124 had a relative percent difference outside the quality control limit for indeno(1,2,3-cd)pyrene. No action was taken because the percent recoveries were acceptable.

Additional Comments: None.

EXECUTIVE SUMMARY

Laboratory Performance Issues: Qualifications were made based on calibration %D noncompliances. One LCS had a %RPD noncompliance.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the EPA Functional Guidelines for Organic Data Validation (October 1999), and Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006). The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM."

Tetra Tech NUS

Edward Sedlmyer
Chemist/Data Validator

TetraTech NUS

Joseph A. Samchuck
Data Validation Quality Assurance Officer

Attachments:

Appendix A – Qualified Analytical Results
Appendix B – Results as Reported by the Laboratory
Appendix C – Support Documentation

APPENDIX A

QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$ / ICP PDS Recovery Noncompliance
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00436

SDG: SA1151 MEDIA: WATER DATA FRACTION: PAH

nsample	MPT-28-RB01-031407	nsample	MPT-28-RB02-031507
samp_date	3/14/2007	samp_date	3/15/2007
lab_id	SA1151-1	lab_id	SA1151-14
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(A)ANTHRACENE	0.067	U	
BENZO(A)PYRENE	0.048	U	
BENZO(B)FLUORANTHENE	0.076	UJ	C
BENZO(K)FLUORANTHENE	0.1	U	
CHRYSENE	0.067	U	
DIBENZO(A,H)ANTHRACENE	0.11	UJ	C
INDENO(1,2,3-CD)PYRENE	0.095	UJ	C

Parameter	Result	Val Qual	Qual Code
BENZO(A)ANTHRACENE	0.066	U	
BENZO(A)PYRENE	0.047	U	
BENZO(B)FLUORANTHENE	0.075	UJ	C
BENZO(K)FLUORANTHENE	0.1	U	
CHRYSENE	0.066	U	
DIBENZO(A,H)ANTHRACENE	0.11	UJ	C
INDENO(1,2,3-CD)PYRENE	0.094	UJ	C

PROJ_NO: 00436

SDG: SA1151 MEDIA: SOIL DATA FRACTION: PAH

nsample	MPT-28-SB22-04-031407	nsample	MPT-28-SB41-04-031407	nsample	MPT-28-SB42-04-031407
samp_date	3/14/2007	samp_date	3/14/2007	samp_date	3/14/2007
lab_id	SA1151-2	lab_id	SA1151-3	lab_id	SA1151-4RA
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	74.3	Pct_Solids	76.8	Pct_Solids	81.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(A)ANTHRACENE	4	U	
BENZO(A)PYRENE	4	U	
BENZO(B)FLUORANTHENE	4.2	UJ	C
BENZO(K)FLUORANTHENE	4	U	
CHRYSENE	3.9	U	
DIBENZO(A,H)ANTHRACENE	5.1	UJ	C
INDENO(1,2,3-CD)PYRENE	6	UJ	C

Parameter	Result	Val Qual	Qual Code
BENZO(A)ANTHRACENE	3.9	U	
BENZO(A)PYRENE	3.9	U	
BENZO(B)FLUORANTHENE	4	UJ	C
BENZO(K)FLUORANTHENE	3.9	U	
CHRYSENE	3.8	U	
DIBENZO(A,H)ANTHRACENE	4.9	UJ	C
INDENO(1,2,3-CD)PYRENE	5.8	UJ	C

Parameter	Result	Val Qual	Qual Code
BENZO(A)ANTHRACENE	3.7	U	
BENZO(A)PYRENE	3.7	U	
BENZO(B)FLUORANTHENE	3.8	U	
BENZO(K)FLUORANTHENE	3.7	U	
CHRYSENE	3.6	U	
DIBENZO(A,H)ANTHRACENE	4.7	U	
INDENO(1,2,3-CD)PYRENE	5.5	U	

PROJ_NO: 00436

SDG: SA1151 MEDIA: SOIL DATA FRACTION: PAH

nsample	MPT-28-SB43-03-031407	nsample	MPT-28-SB44-03-031407	nsample	MPT-28-SB45-02-031407
samp_date	3/14/2007	samp_date	3/14/2007	samp_date	3/14/2007
lab_id	SA1151-5	lab_id	SA1151-6	lab_id	SA1151-7
qc_type	NM	qc_type	NM	qc_type	NM
units	UG/KG	units	UG/KG	units	UG/KG
Pct_Solids	80.4	Pct_Solids	94.1	Pct_Solids	90.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
BENZO(A)ANTHRACENE	3.7	U	
BENZO(A)PYRENE	3.7	U	
BENZO(B)FLUORANTHENE	3.8	UJ	C
BENZO(K)FLUORANTHENE	3.7	U	
CHRYSENE	3.6	U	
DIBENZO(A,H)ANTHRACENE	4.7	UJ	C
INDENO(1,2,3-CD)PYRENE	5.6	UJ	C

Parameter	Result	Val Qual	Qual Code
BENZO(A)ANTHRACENE	3.2	U	
BENZO(A)PYRENE	3.2	U	
BENZO(B)FLUORANTHENE	3.3	UJ	C
BENZO(K)FLUORANTHENE	3.2	U	
CHRYSENE	3.1	U	
DIBENZO(A,H)ANTHRACENE	4	UJ	C
INDENO(1,2,3-CD)PYRENE	4.8	UJ	C

Parameter	Result	Val Qual	Qual Code
BENZO(A)ANTHRACENE	3.3	U	
BENZO(A)PYRENE	3.3	U	
BENZO(B)FLUORANTHENE	3.4	UJ	C
BENZO(K)FLUORANTHENE	3.3	U	
CHRYSENE	3.2	U	
DIBENZO(A,H)ANTHRACENE	4.2	UJ	C
INDENO(1,2,3-CD)PYRENE	5	UJ	C

APPENDIX B

RESULTS AS REPORTED BY THE LABORATORY

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 03/14/07
Received Date: 03/17/07
Extraction Date: 03/20/07
Analysis Date: 26-MAR-2007 16:00
Report Date: 03/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA1151-1
Client ID: MPT-28-RB01-031407
SDG: SA1151
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37124
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.067
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.067
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.076
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.10
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.048
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.095
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.11
7297-45-2	2-Methylnaphthalene-d10		91%				
81103-79-9	Fluorene-d10		91%				
1718-52-1	Pyrene-d10		96%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 03/15/07
Received Date: 03/17/07
Extraction Date: 03/20/07
Analysis Date: 26-MAR-2007 16:42
Report Date: 03/28/2007
Matrix: WATER
% Solids: NA

Lab ID: SA1151-14
Client ID: MPT-28-RB02-031507
SDG: SA1151
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37124
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.066
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.066
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.075
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.10
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.047
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.094
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.11
7297-45-2	2-Methylnaphthalene-d10		78%				
81103-79-9	Fluorene-d10		84%				
1718-52-1	Pyrene-d10		105%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 03/14/07
Received Date: 03/17/07
Extraction Date: 03/20/07
Analysis Date: 26-MAR-2007 21:48
Report Date: 03/28/2007
Matrix: SOIL
% Solids: 74.3

Lab ID: SA1151-2
Client ID: PT-28-SB22-04-03140
SDG: SA1151
Extracted by: KF
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37139
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	27	1.0	20	27	4.0
218-01-9	Chrysene	U	27	1.0	20	27	3.9
205-99-2	Benzo(b)fluoranthene	U	27	1.0	20	27	4.2
207-08-9	Benzo(k)fluoranthene	U	27	1.0	20	27	4.0
50-32-8	Benzo(a)pyrene	U	27	1.0	20	27	4.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	27	1.0	20	27	6.0
53-70-3	Dibenzo(a,h)anthracene	U	27	1.0	20	27	5.1
7297-45-2	2-Methylnaphthalene-d10		75%				
81103-79-9	Fluorene-d10		86%				
1718-52-1	Pyrene-d10		90%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 03/14/07
Received Date: 03/17/07
Extraction Date: 03/20/07
Analysis Date: 26-MAR-2007 19:36
Report Date: 03/28/2007
Matrix: SOIL
% Solids: 76.8

Lab ID: SA1151-3
Client ID: PT-28-SB41-04-03140
SDG: SA1151
Extracted by: KF
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37139
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	26	1.0	20	26	3.9
218-01-9	Chrysene	U	26	1.0	20	26	3.8
205-99-2	Benzo(b)fluoranthene	U	26	1.0	20	26	4.0
207-08-9	Benzo(k)fluoranthene	U	26	1.0	20	26	3.9
50-32-8	Benzo(a)pyrene	U	26	1.0	20	26	3.9
193-39-5	Indeno(1,2,3-cd)pyrene	U	26	1.0	20	26	5.8
53-70-3	Dibenzo(a,h)anthracene	U	26	1.0	20	26	4.9
7297-45-2	2-Methylnaphthalene-d10		71%				
81103-79-9	Fluorene-d10		79%				
1718-52-1	Pyrene-d10		84%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 03/14/07
Received Date: 03/17/07
Extraction Date: 03/20/07
Analysis Date: 27-MAR-2007 19:58
Report Date: 03/28/2007
Matrix: SOIL
% Solids: 81.2

Lab ID: SA1151-4RA
Client ID: PT-28-SB42-04-03140
SDG: SA1151
Extracted by: KF
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37139
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	25	1.0	20	25	3.7
218-01-9	Chrysene	U	25	1.0	20	25	3.6
205-99-2	Benzo(b)fluoranthene	U	25	1.0	20	25	3.8
207-08-9	Benzo(k)fluoranthene	U	25	1.0	20	25	3.7
50-32-8	Benzo(a)pyrene	U	25	1.0	20	25	3.7
193-39-5	Indeno(1,2,3-cd)pyrene	U	25	1.0	20	25	5.5
53-70-3	Dibenzo(a,h)anthracene	U	25	1.0	20	25	4.7
7297-45-2	2-Methylnaphthalene-d10		72%				
81103-79-9	Fluorene-d10		77%				
1718-52-1	Pyrene-d10		122%				

KATAHDIN ANALYTICAL SERVICES
Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 03/14/07
Received Date: 03/17/07
Extraction Date: 03/20/07
Analysis Date: 26-MAR-2007 21:04
Report Date: 03/28/2007
Matrix: SOIL
% Solids: 80.4

Lab ID: SA1151-5
Client ID: PT-28-SB43-03-03140
SDG: SA1151
Extracted by: KF
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37139
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	25	1.0	20	25	3.7
218-01-9	Chrysene	U	25	1.0	20	25	3.6
205-99-2	Benzo(b)fluoranthene	U	25	1.0	20	25	3.8
207-08-9	Benzo(k)fluoranthene	U	25	1.0	20	25	3.7
50-32-8	Benzo(a)pyrene	U	25	1.0	20	25	3.7
193-39-5	Indeno(1,2,3-cd)pyrene	U	25	1.0	20	25	5.6
53-70-3	Dibenzo(a,h)anthracene	U	25	1.0	20	25	4.7
7297-45-2	2-Methylnaphthalene-d10		70%				
81103-79-9	Fluorene-d10		80%				
1718-52-1	Pyrene-d10		95%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 03/14/07
Received Date: 03/17/07
Extraction Date: 03/20/07
Analysis Date: 26-MAR-2007 23:17
Report Date: 03/28/2007
Matrix: SOIL
% Solids: 94.1

Lab ID: SA1151-6
Client ID: PT-28-SB44-03-03140
SDG: SA1151
Extracted by: KF
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37139
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	21	1.0	20	21	3.2
218-01-9	Chrysene	U	21	1.0	20	21	3.1
205-99-2	Benzo(b)fluoranthene	U	21	1.0	20	21	3.3
207-08-9	Benzo(k)fluoranthene	U	21	1.0	20	21	3.2
50-32-8	Benzo(a)pyrene	U	21	1.0	20	21	3.2
193-39-5	Indeno(1,2,3-cd)pyrene	U	21	1.0	20	21	4.8
53-70-3	Dibenzo(a,h)anthracene	U	21	1.0	20	21	4.0
7297-45-2	2-Methylnaphthalene-d10		87%				
81103-79-9	Fluorene-d10		86%				
1718-52-1	Pyrene-d10		101%				

KATAHDIN ANALYTICAL SERVICES

Report of Analytical Results

Client: Tetra Tech NUS, Inc
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date: 03/14/07
Received Date: 03/17/07
Extraction Date: 03/20/07
Analysis Date: 26-MAR-2007 22:32
Report Date: 03/28/2007
Matrix: SOIL
% Solids: 90.0

Lab ID: SA1151-7
Client ID: PT-28-SB45-02-03140
SDG: SA1151
Extracted by: KF
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37139
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	22	1.0	20	22	3.3
218-01-9	Chrysene	U	22	1.0	20	22	3.2
205-99-2	Benzo(b)fluoranthene	U	22	1.0	20	22	3.4
207-08-9	Benzo(k)fluoranthene	U	22	1.0	20	22	3.3
50-32-8	Benzo(a)pyrene	U	22	1.0	20	22	3.3
193-39-5	Indeno(1,2,3-cd)pyrene	U	22	1.0	20	22	5.0
53-70-3	Dibenzo(a,h)anthracene	U	22	1.0	20	22	4.2
7297-45-2	2-Methylnaphthalene-d10		69%				
81103-79-9	Fluorene-d10		76%				
1718-52-1	Pyrene-d10		91%				

APPENDIX C

SUPPORT DOCUMENTATION

HOLDTIME

SDG SA1151

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	MPT-28-SB22-04-03140	SA1151-002	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB45-02-03140	SA1151-007	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB44-03-03140	SA1151-006	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB05-04-03150	SA1151-010	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB43-03-03140	SA1151-005	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB42-04-03140	SA1151-004	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB41-04-03140	SA1151-003	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB40-04-03150	SA1151-013	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB39-04-03150	SA1151-012	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB38-04-03150	SA1151-011	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB36-04-03150	SA1151-008	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB37-03-03150	SA1151-009	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	UG/L	MPT-28-RB01-031407	SA1151-001	NM	3/14/2007	3/22/2007	3/22/2007	8	0	8
M	UG/L	MPT-28-RB02-031507	SA1151-014	NM	3/15/2007	3/22/2007	3/22/2007	7	0	7
TS	%	MPT-28-SB39-04-03150	SA1151-12	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	MPT-28-SB44-03-03140	SA1151-6	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB43-03-03140	SA1151-5	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB42-04-03140	SA1151-4	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB41-04-03140	SA1151-3	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB40-04-03150	SA1151-13	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB05-04-03150	SA1151-10	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB38-04-03150	SA1151-11	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB37-03-03150	SA1151-9	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB36-04-03150	SA1151-8	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB22-04-03140	SA1151-2	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB45-02-03140	SA1151-7	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
PAH	%	MPT-28-SB45-02-03140	SA1151-7	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	%	MPT-28-RB01-031407	SA1151-1	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	%	MPT-28-RB02-031507	SA1151-14	NM	3/15/2007	3/20/2007	3/26/2007	5	6	11
PAH	%	MPT-28-SB22-04-03140	SA1151-2	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	%	MPT-28-SB41-04-03140	SA1151-3	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	%	MPT-28-SB42-04-03140R	SA1151-4RA	NM	3/14/2007	3/20/2007	3/27/2007	6	7	13
PAH	%	MPT-28-SB44-03-03140	SA1151-6	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PAH	%	MPT-28-SB43-03-03140	SA1151-5	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB22-04-03140	SA1151-2	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB41-04-03140	SA1151-3	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB42-04-03140R	SA1151-4RA	NM	3/14/2007	3/20/2007	3/27/2007	6	7	13
PAH	UG/KG	MPT-28-SB43-03-03140	SA1151-5	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB44-03-03140	SA1151-6	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB45-02-03140	SA1151-7	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/L	MPT-28-RB01-031407	SA1151-1	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/L	MPT-28-RB02-031507	SA1151-14	NM	3/15/2007	3/20/2007	3/26/2007	5	6	11

TETRA TECH NUS, INC.
CTO 0033 NAVSTA MAYPORT
SA1151

KATAHDIN ANALYTICAL SERVICES, INC.
600 TECHNOLOGY WAY
SCARBOROUGH, ME 04074

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 0033 NAVSTA MAYPORT
SA1151

Sample Receipt

The following samples were received on March 17, 2007 and were logged in under Katahdin Analytical Services work order number SA1151 for a hardcopy due date of March 29, 2007.

KATAHDIN Sample No.	TTNUS Sample Identification
SA1151-1	MPT-28-RB01-031407
SA1151-2	MPT-28-SB22-04-03140
SA1151-3	MPT-28-SB41-04-03140
SA1151-4	MPT-28-SB42-04-03140
SA1151-5	MPT-28-SB43-03-03140
SA1151-6	MPT-28-SB44-03-03140
SA1151-7	MPT-28-SB45-02-03140
SA1151-8	MPT-28-SB36-04-03150
SA1151-9	MPT-28-SB37-03-03150
SA1151-10	MPT-28-SB05-04-03150
SA1151-11	MPT-28-SB38-04-03150
SA1151-12	MPT-28-SB39-04-03150
SA1151-13	MPT-28-SB40-04-03150
SA1151-14	MPT-28-RB02-031507

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

The client IDs on the Chain of Custody exceeds the 20-character limit of the Katahdin Analytical Information Management System. Therefore, the last character ("7") in the client IDs for SA1151-2 through SA1151-13 was omitted on all forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of work order SA1151 were analyzed in accordance "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software-generated) on the pertinent quantitation reports.

8270C SIM Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is not to take corrective action until the number of spiked analytes in the LCS that are outside of the QC limits is not greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long the LCS is acceptable.

The LCS/LCSD WG37124-2 and 3 had a RPD for one spiked analyte that was outside of the laboratory acceptance limits. Since the recoveries were acceptable, no further action was taken.

The initial calibration analyzed on the R instrument had a %RSD value for the target analyte indeno(1,2,3-cd)pyrene that exceeded the method acceptance limit of 15%. This target analyte also failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient being less than the method acceptance criteria of 0.990. Therefore, this compound was calibrated using the average model. Since this analyte was not detected above the MDL for any of the associated samples, the samples were not reanalyzed.

There were no other protocol deviations or observations noted by the organics laboratory staff.

Metals Analysis

The samples of Katahdin Work Order SA1151 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Nos. SA1151-(1, 14) were digested for ICP analysis on 03/22/07 (QC Batch XC22ICW0) in accordance with USEPA Method 3010A.

Soil-matrix Katahdin Sample Nos. SA1151-(2-13) were digested for ICP analysis on 03/23/07 (QC Batch XC23ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. SA1151-13 was prepared with duplicate matrix-spiked aliquots.

ICP analyses of Katahdin Work Order SA1151 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

In ICP Run IXC23A, performed on 03/23/07, the measured magnesium recoveries in the ICSA solutions analyzed at 22:55 (121.3%) and 01:43 (121.7%) are outside the laboratory's acceptance criteria. Because there is no interfering element correction for magnesium at the analytical wavelength for arsenic, no corrective action was required.

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Matrix QC Summary

The matrix-spiked aliquots of Katahdin Sample No. SA1151-13 were within the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for arsenic.

The matrix-spike duplicate analysis of Katahdin Sample No. SA1151-13 was within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for arsenic.

The serial dilution analysis of Katahdin Sample No. SA1151-13 was within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for arsenic.

Wet Chemistry Analysis

The samples of work order SA1151 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical holding times. All quality control criteria were met.

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Leslie Dimond
3-30-07

Leslie Dimond
Quality Assurance Officer

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra tech	KAS PM: AJC	Sampled By:
Project:	KIMS Entry By: DJ	Delivered By: Fedex
KAS Work Order#: SA 1151	KIMS Review By: AC	Received By: DHW
SDG #:	Cooler: 1 of 2	Date/Time Rec.: 3/17/07 1300

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	✓				Temp (°C): 3.9
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea				X	
Soil/Sediment: Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?				X	
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra tech	KAS PM: AJC	Sampled By:
Project:	KIMS Entry By: DD	Delivered By: Fedex
KAS Work Order#: SA1151	KIMS Review By: MC	Received By: DKW
SDG #:	Cooler: 2 of 2	Date/Time Rec.: 3/17/07 1300

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?		✓			
3. Chain of Custody signed by client?				✓	
4. Chain of Custody matches samples?	✓			X DD	
5. Temperature Blanks present?	✓				Temp (°C): 2.4
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea				X	
Soil/Sediment: Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?				X	
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000007

TETRA TECH NUS, INC. SAMS 1

CHAIN OF CUSTODY

NUMBER 2429

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00436	SWMU 28	Shina Ballard	904-636-6125	Katahdin Andrea Colby
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER	PHONE NUMBER	ADDRESS
		Jon Foster	904-636-6125	95 Hutchins Drive
		CARRIER/WAYBILL NUMBER		CITY, STATE
		Fed Ex: 8427 1834 3261 & 8427 1834 3272		Portland, Maine

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

DATE YEAR 2007	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	Arsenic SW-846 6010-B	PAHs SW-846 8270-C	Arsenic SW-846 6010-B	PAHs SW-846 8270-C					COMMENTS
CONTAINER TYPE PLASTIC (P) or GLASS (G)									G	G	P	G					
PRESERVATIVE USED									None	None	HNO3	None					
3/14	1145	MPT-28-RB01-031407				QC		3			X	X					Cool to
	1207	MPT-28-SB22-04-031407		3.0	4.0	SO	G	1	X	X							4° C
	1225	MPT-28-SB41-04-031407		3.0	4.0	SO	G	1									
	1247	MPT-28-SB42-04-031407		3.0	4.0	SO	G	1									
	1311	MPT-28-SB43-03-031407		2.0	3.0	SO	G	1									
	1354	MPT-28-SB44-03-031407		2.0	3.0	SO	G	1									
	1424	MPT-28-SB45-02-031407		1.0	2.0	SO	G	1									
3/15	1100	MPT-28-SB36-04-031507		3.0	4.0	SO	G	1									
	1136	MPT-28-SB37-03-031507		2.0	3.0	SO	G	1									
	1159	MPT-28-SB05-04-031507		3.0	4.0	SO	G	1									
	1219	MPT-28-SB38-04-031507		3.0	4.0	SO	G	1									
	1245	MPT-28-SB39-04-031507		3.0	4.0	SO	G	1									
	1339	MPT-28-SB40-04-031507		3.0	4.0	SO	G	1									

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Jonathan Foster	3/16/07	1200	1. RECEIVED BY Winona Gilmore	3/17/07	1300
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

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

4/02R
FORM NO. TtNUS-001

SH1151

TETRA TECH NUS, INC. CHAIN OF CUSTODY | NUMBER ~~2594~~ 2721 (SF) | PAGE 2 OF 2

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00436	SWMU 28	Shina Ballard	904-636-6125	Katahdin Andrea Colby
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Jon Foster	PHONE NUMBER: 904-636-6125	ADDRESS: 95 Hutchins Drive
		CARRIER/WAYBILL NUMBER		CITY, STATE: Portland, Maine

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

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

PRESERVATIVE USED

TYPE OF ANALYSIS: Arsenic SW-846 6010-B HNO3; PAHs SW-846 8270-C None

DATE YEAR 2007	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	Arsenic SW-846 6010-B HNO3	PAHs SW-846 8270-C None							COMMENTS
3/15	1359	MPT-28-RB02-031507				QC		3	1	2							Cool to 4° C

1. RELINQUISHED BY Jonathan Foster	DATE 3/16/07	TIME 1200	1. RECEIVED BY [signature]	DATE 3/17/07	TIME 1300
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

000009

Katahdin
ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (lno1)

Mar. 19, 2007
02:43 PM

Login Number: SA1151

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT33D

Primary Report Address:
Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Primary Invoice Address:
Accounts Payable
Tetra Tech NUS, Inc.
661 Andersen Drive
Foster Plaza 7
Pittsburgh,PA 15220

Report CC Addresses:
Invoice CC Addresses:

Login Information

ANALYSIS INSTRUCTIONS	:	
CHECK NO.	:	
CLIENT PO#	:	MSA-0402-N4113-05 1011981
COOLER TEMPERATURE	:	39., 2.4
DELIVERY SERVICES	:	FEDEX
EDD FORMAT	:	KAS087QC-TXT
MAIL DATE	:	
PM	:	AJC
PROJECT NAME	:	CTO 0033 NAVSTA Mayport
QC LEVEL	:	IV
REGULATORY LIST	:	NFESC
REPORT INSTRUCTIONS	:	Need to use Florida flagging. Rpt to MDL/IDL & flag to PQL. Data summary needs all forms. Send rpt & EDD on 2 CDs, no hc.
SDG ID	:	
SDG STATUS	:	

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SA1151-1	MPT-28-RB01-031407	14-MAR-07 11:45	17-MAR-07			29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW3010-PREP	10-SEP-07		
Aqueous	S	SW6010-ARSENIC	10-SEP-07	250mL Plastic+HNO3	1
Aqueous	S	SW8270SIM-S	21-MAR-07	1L N-Amber Glass	2

SA1151-2	MPT-28-SB22-04-03140	14-MAR-07 12:07	17-MAR-07		29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	10-SEP-07		
Solid	S	SW6010-ARSENIC	10-SEP-07	1000mL Plastic	1
Solid	S	SW8270SIM-S	28-MAR-07	100g Glass	
Solid	S	TS	13-APR-07		

SA1151-3	MPT-28-SB41-04-03140	14-MAR-07 12:25	17-MAR-07		29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	10-SEP-07		
Solid	S	SW6010-ARSENIC	10-SEP-07	1000mL Plastic	1
Solid	S	SW8270SIM-S	28-MAR-07	100g Glass	
Solid	S	TS	13-APR-07		

SA1151-4	MPT-28-SB42-04-03140	14-MAR-07 12:47	17-MAR-07		29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	10-SEP-07		
Solid	S	SW6010-ARSENIC	10-SEP-07	1000mL Plastic	1
Solid	S	SW8270SIM-S	28-MAR-07	100g Glass	
Solid	S	TS	13-APR-07		

SA1151-5	MPT-28-SB43-03-03140	14-MAR-07 13:11	17-MAR-07		29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	10-SEP-07		
Solid	S	SW6010-ARSENIC	10-SEP-07	1000mL Plastic	1
Solid	S	SW8270SIM-S	28-MAR-07	100g Glass	
Solid	S	TS	13-APR-07		

SA1151-6	MPT-28-SB44-03-03140	14-MAR-07 13:54	17-MAR-07		29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	10-SEP-07		
Solid	S	SW6010-ARSENIC	10-SEP-07	1000mL Plastic	1
Solid	S	SW8270SIM-S	28-MAR-07	100g Glass	
Solid	S	TS	13-APR-07		

0000010

Katahdin ANALYTICAL SERVICES

Katahdin Analytical Services

Login Chain of Custody Report (Ino1)

Mar. 19, 2007
02:43 PM

Login Number: SA1151

Account: TETRAT001 Web
Tetra Tech NUS, Inc.

Project: TETRAT33D

Laboratory Sample ID	Client Sample Number	Collect Date/Time	Receive Date	PR	Verbal Date	Due Date	Comments
SA1151-7	MPT-28-SB45-02-03140	14-MAR-07 14:24	17-MAR-07			29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	10-SEP-07		
Solid	S	SW6010-ARSENIC	10-SEP-07	1000mL Plastic	1
Solid	S	SW8270SIM-S	28-MAR-07	100g Glass	
Solid	S	TS	13-APR-07		

SA1151-8	MPT-28-SB36-04-03150	15-MAR-07 11:00	17-MAR-07			29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	11-SEP-07		
Solid	S	SW6010-ARSENIC	11-SEP-07	1000mL Plastic	1
Solid	S	TS	14-APR-07		

SA1151-9	MPT-28-SB37-03-03150	15-MAR-07 11:36	17-MAR-07			29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	11-SEP-07		
Solid	S	SW6010-ARSENIC	11-SEP-07	1000mL Plastic	1
Solid	S	TS	14-APR-07		

SA1151-10	MPT-28-SB05-04-03150	15-MAR-07 11:59	17-MAR-07			29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	11-SEP-07		
Solid	S	SW6010-ARSENIC	11-SEP-07	1000mL Plastic	1
Solid	S	TS	14-APR-07		

SA1151-11	MPT-28-SB38-04-03150	15-MAR-07 12:19	17-MAR-07			29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	11-SEP-07		
Solid	S	SW6010-ARSENIC	11-SEP-07	1000mL Plastic	1
Solid	S	TS	14-APR-07		

SA1151-12	MPT-28-SB39-04-03150	15-MAR-07 12:45	17-MAR-07			29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	11-SEP-07		
Solid	S	SW6010-ARSENIC	11-SEP-07	1000mL Plastic	1
Solid	S	TS	14-APR-07		

SA1151-13	MPT-28-SB40-04-03150	15-MAR-07 13:39	17-MAR-07			29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Solid	S	SW3050-PREP	11-SEP-07		
Solid	S	SW6010-ARSENIC	11-SEP-07	1000mL Plastic	1
Solid	S	TS	14-APR-07		

SA1151-14	MPT-28-RB02-031507	15-MAR-07 13:59	17-MAR-07			29-MAR-07	

Matrix		Product	Hold Date (shortest)	Bottle Type	Bottle Count
Aqueous	S	SW3010-PREP	11-SEP-07		
Aqueous	S	SW6010-ARSENIC	11-SEP-07	250mL Plastic+HNO3	1
Aqueous	S	SW8270SIM-S	22-MAR-07	1L N-Amber Glass	2

Total Samples: *14* ***Total Analyses:*** *48*

0000011

SAMPLE DATA SUMMARY PACKAGE

FLORIDA DATA QUALIFIERS

I	The reported value is between the laboratory method detection limit and the laboratory practical quantitation limit.
*	Compound recovery outside of quality control limits.
L	Off-scale high. Actual value is known to be greater than value given. To be used when the concentration of the analyte is above the acceptable level for quantitation (exceeds the linear range of highest calibration standard) and the calibration curve is known to exhibit a negative deflection.
J	Estimated value. A justification will be included in the narrative for any result that has been flagged with a "J".
V	Indicates the analyte was detected in the sample and the associated method blank.
N	Presumptive evidence of a compound based on a mass spectral library search.
Q	Sample held beyond the accepted holding time. This code shall be used if the value is derived from a sample that was prepared or analyzed after the approved holding time restrictions for sample preparation or analysis
Y	The laboratory analysis was from an improperly preserved sample. The data may not be accurate.

SEMIVOLATILE METHOD BLANK SUMMARY

WG37124-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Lab File ID: R3593 Lab Sample ID: WG37124-1

Instrument ID: GCMS-R Date Extracted: 03/20/07

Matrix: (soil/water) WATER Date Analyzed: 03/26/07

Level:(low/med) LOW Time Analyzed: 1352

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	WG37124-LCS	WG37124-2	R3594	03/26/07	1434
02	WG37124-LCSD	WG37124-3	R3595	03/26/07	1517
03	MPT-28-RB01-031407	SA1151-1	R3596	03/26/07	1600
04	MPT-28-RB02-031507	SA1151-14	R3597	03/26/07	1642
05					
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COMMENTS:

FORM IV SV

Report of Analytical Results

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 03/20/07
Analysis Date: 26-MAR-2007 13:52
Report Date: 03/28/2007
Matrix: WATER
% Solids: NA

Lab ID: WG37124-1
Client ID: WG37124-Blank
SDG: SA1151
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37124
Units: ug/L

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	0.20	1.0	0.20	0.20	0.070
218-01-9	Chrysene	U	0.20	1.0	0.20	0.20	0.070
205-99-2	Benzo(b)fluoranthene	U	0.20	1.0	0.20	0.20	0.080
207-08-9	Benzo(k)fluoranthene	U	0.20	1.0	0.20	0.20	0.11
50-32-8	Benzo(a)pyrene	U	0.20	1.0	0.20	0.20	0.050
193-39-5	Indeno(1,2,3-cd)pyrene	U	0.20	1.0	0.20	0.20	0.10
53-70-3	Dibenzo(a,h)anthracene	U	0.20	1.0	0.20	0.20	0.12
7297-45-2	2-Methylnaphthalene-d10		71%				
81103-79-9	Fluorene-d10		78%				
1718-52-1	Pyrene-d10		88%				

LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 03/20/07
Analysis Date: 03/26/07
Report Date: 03/28/2007
Matrix: WATER

Lab ID: WG37124-2 & WG37124-3
Client ID: WG37124-LCS & WG37124-LCSD
SDG: SA1151
Extracted by: KM
Extraction Method: SW846 3510
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37124
Units: ug/L

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Benzo(a)anthracene	2.0	2.0	NA	2.0	2.1	100	103	3	30	42-143
Chrysene	2.0	2.0	NA	2.2	2.3	108	114	6	30	36-126
Benzo(b)fluoranthene	2.0	2.0	NA	1.8	2.2	89	109	20	30	36-148
Benzo(k)fluoranthene	2.0	2.0	NA	2.2	2.5	112	127	12	30	33-139
Benzo(a)pyrene	2.0	2.0	NA	2.1	2.2	103	110	7	30	44-130
Indeno(1,2,3-cd)pyrene	2.0	2.0	NA	1.4	0.99	70	49	35	30	23-142
Dibenzo(a,h)anthracene	2.0	2.0	NA	1.8	1.4	88	72	20	30	22-133

FORM III SV-1

R3594.D & R3595.D

SEMIVOLATILE METHOD BLANK SUMMARY

CLIENT SAMPLE ID

WG37139-BLANK

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Lab File ID: R3620 Lab Sample ID: WG37139-1RA

Instrument ID: GCMS-R Date Extracted: 03/20/07

Matrix: (soil/water) SOIL Date Analyzed: 03/27/07

Level:(low/med) LOW Time Analyzed: 1914

THIS METHOD BLANK APPLIES TO THE FOLLOWING SAMPLES, MS and MSD:

	CLIENT SAMPLE ID	LAB SAMPLE ID.	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01	PT-28-SB41-04-03140	SA1151-3	R3601	03/26/07	1936
02	PT-28-SB43-03-03140	SA1151-5	R3603	03/26/07	2104
03	PT-28-SB22-04-03140	SA1151-2	R3604	03/26/07	2148
04	PT-28-SB45-02-03140	SA1151-7	R3605	03/26/07	2232
05	PT-28-SB44-03-03140	SA1151-6	R3606	03/26/07	2317
06	PT-28-SB42-04-03140	SA1151-4RA	R3621	03/27/07	1958
07	WG37139-LCS	WG37139-2RA	R3622	03/27/07	2042
08	WG37139-LCSD	WG37139-3RA	R3623	03/27/07	2126
09					
10					
11					
12					
13					
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30					

COMMENTS:

FORM IV SV

Report of Analytical Results

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 03/20/07
Analysis Date: 27-MAR-2007 19:14
Report Date: 03/28/2007
Matrix: SOIL
% Solids: 100

Lab ID: WG37139-1RA
Client ID: WG37139-Blank
SDG: SA1151
Extracted by: KF
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37139
Units: ug/Kgdrywt

CAS#	Compound	Flags	Results	DF	PQL	Adj.PQL	Adj.MDL
56-55-3	Benzo(a)anthracene	U	20	1.0	20	20	3.0
218-01-9	Chrysene	U	20	1.0	20	20	2.9
205-99-2	Benzo(b)fluoranthene	U	20	1.0	20	20	3.1
207-08-9	Benzo(k)fluoranthene	U	20	1.0	20	20	3.0
50-32-8	Benzo(a)pyrene	U	20	1.0	20	20	3.0
193-39-5	Indeno(1,2,3-cd)pyrene	U	20	1.0	20	20	4.5
53-70-3	Dibenzo(a,h)anthracene	U	20	1.0	20	20	3.8
7297-45-2	2-Methylnaphthalene-d10		75%				
81103-79-9	Fluorene-d10		74%				
1718-52-1	Pyrene-d10		132%				

LAB CONTROL SAMPLE

Client:
Project: CTO 0033 NAVSTA Mayport
PO No:
Sample Date:
Received Date:
Extraction Date: 03/20/07
Analysis Date: 03/27/07
Report Date: 03/28/2007
Matrix: SOIL

Lab ID: WG37139-2RA& WG37139-3RA
Client ID: WG37139-LCS & WG37139-LCSD
SDG: SA1151
Extracted by: KF
Extraction Method: SW846 3550
Analyst: JCG
Analysis Method: SW846 M8270C
Lab Prep Batch: WG37139
Units: ug/Kgdrywt

COMPOUND	LCS SPIKE	LCSD SPIKE	SAMPLE CONC.	LCS CONC.	LCSD CONC.	LCS %REC.	LCSD %REC.	%RPD	%RPD LIMIT	QC. LIMITS
Benzo(a)anthracene	67	67	NA	58	64	87	95	9	30	42-143
Chrysene	67	67	NA	64	68	96	102	6	30	36-126
Benzo(b)fluoranthene	67	67	NA	57	64	86	97	12	30	36-148
Benzo(k)fluoranthene	67	67	NA	70	78	105	116	10	30	33-139
Benzo(a)pyrene	67	67	NA	60	67	90	100	10	30	44-130
Indeno(1,2,3-cd)pyrene	67	67	NA	38	40	56	60	7	30	23-142
Dibenzo(a,h)anthracene	67	67	NA	42	45	63	68	8	30	22-133

FORM III SV-2

R3622.D & R3623.D

WATER SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	WG37124-BLANK	WG37124-1	71	78	88						0
02	WG37124-LCS	WG37124-2	76	86	83						0
03	WG37124-LCSD	WG37124-3	87	96	90						0
04	MPT-28-RB01-031407	SA1151-1	91	91	96						0
05	MPT-28-RB02-031507	SA1151-14	78	84	105						0
06											
07											
08											
09											
10											
11											
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25											
26											
27											
28											

		QC LIMITS
S1	= 2-Methylnaphthalene-d1	(45-115)
S2	= Fluorene-d10	(58-120)
S3	= Pyrene-d10	(48-157)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II SV-1

SOIL SEMIVOLATILE SYSTEM MONITORING COMPOUND RECOVERY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Level:(low/med) LOW

	CLIENT SAMPLE ID	LAB SAMPLE ID	S1 #	S2 #	S3 #	S4 #	S5 #	S6 #	S7 #	S8 #	TOT OUT
01	PT-28-SB41-04-03140	SA1151-3	71	79	84						0
02	PT-28-SB43-03-03140	SA1151-5	70	80	95						0
03	PT-28-SB22-04-03140	SA1151-2	75	86	90						0
04	PT-28-SB45-02-03140	SA1151-7	69	76	91						0
05	PT-28-SB44-03-03140	SA1151-6	87	86	101						0
06	WG37139-BLANK	WG37139-1RA	75	74	132						0
07	PT-28-SB42-04-03140	SA1151-4RA	72	77	122						0
08	WG37139-LCS	WG37139-2RA	76	80	95						0
09	WG37139-LCSD	WG37139-3RA	76	83	107						0
10											
11											
12											
13											
14											
15											
16											
17											
18											
19											
20											
21											
22											
23											
24											
25											
26											
27											
28											

		QC LIMITS
S1	= 2-Methylnaphthalene-d1	(27-128)
S2	= Fluorene-d10	(34-140)
S3	= Pyrene-d10	(20-174)

Column to be used to flag recovery values
* Values outside of contract required QC limits
D Surrogate diluted out

FORM II SV-2

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Lab File ID: RD264 DFTPP Injection Date: 03/05/07

Instrument ID: GCMS-R DFTPP Injection Time: 0955

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	32.1
68	Less than 2.0% of mass 69	0.3 (0.9)1
69	Less than 100.0% of mass 198	34.3
70	Less than 2.0% of mass 69	0.2 (0.5)1
127	40.0 - 60.0% of mass 198	47.5
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	21.4
365	1.0 - 100.0% of mass 198	2.5
441	0.0 - 100.0% of mass 443	9.2 (74.5)2
442	40.0 - 100.0% of mass 198	63.7
443	17.0 - 23.0% of mass 442	12.4 (19.5)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00R0305	R3330	03/05/07	1106
02		SSTD5.00R0305	R3331	03/05/07	1148
03		SSTD3.00R0305	R3332	03/05/07	1231
04		SSTD2.00R0305	R3333	03/05/07	1314
05		SSTD0.50R0305	R3334	03/05/07	1357
06		SSTD0.20R0305	R3335	03/05/07	1440
07					
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20					

FORM V SV

SEMIVOLATILE INITIAL CALIBRATION DATA

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Instrument ID: GCMS-R Calibration Date(s): 03/05/07 03/05/07

Column: ZB5-MS ID: 0.25 (mm) Calibration Time(s): 1106 1440

LAB FILE ID: RF0.2: R3335 RF0.5: R3334 RF1: R3330
RF2: R3333 RF3: R3332 RF5: R3331

COMPOUND	RF0.2	RF0.5	RF1	RF2	RF3	RF5	CURVE	COEFF. A1	%RSD OR R^2	MAX %RSD OR R^2	
Benzo(a)anthracene	1.009	1.131	1.211	1.108	1.154	1.074	AVRG	1.11449887	6.225	15.000	
Chrysene	1.300	1.345	1.310	1.244	1.268	1.136	AVRG	1.26721208	5.765	15.000	
Benzo(b)fluoranthene	1.295	1.482	1.444	1.482	1.530	1.389	AVRG	1.43695578	5.840	15.000	
Benzo(k)fluoranthene	1.870	1.932	1.780	1.886	1.903	1.668	AVRG	1.83998035	5.350	15.000	
Benzo(a)pyrene	1.092	1.382	1.344	1.398	1.436	1.218	AVRG	1.31165086	9.985	15.000	
Indeno(1,2,3-cd)pyrene	0.569	0.693	0.773	0.865	0.940	0.696	AVRG	0.75607970	17.600	15.000	<-
Dibenzo(a,h)anthracene	0.795	0.851	0.954	1.003	1.058	0.803	AVRG	0.91088036	12.085	15.000	
2-Methylnaphthalene-d10	0.488	0.543	0.460	0.455	0.460	0.424	AVRG	0.47190517	8.598	15.000	
Fluorene-d10	1.436	1.551	1.581	1.407	1.468	1.342	AVRG	1.46424584	6.126	15.000	
Pyrene-d10	1.465	1.603	1.556	1.267	1.268	1.286	AVRG	1.40771311	10.889	15.000	

Average %RSD test result.

Calculate Average %RSD: 7.824479580
Maximum Average %RSD: 30.00000000

Note: Passes Average %RSD Test.

FORM VI SV

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Lab File ID: RD280 DFTPP Injection Date: 03/26/07

Instrument ID: GCMS-R DFTPP Injection Time: 1203

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	35.5
68	Less than 2.0% of mass 69	0.5 (1.4)1
69	Less than 100.0% of mass 198	36.9
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	53.2
197	Less than 1.0% of mass 198	0.2
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.8
275	10.0 - 30.0% of mass 198	21.6
365	1.0 - 100.0% of mass 198	2.7
441	0.0 - 100.0% of mass 443	9.9 (76.4)2
442	40.0 - 100.0% of mass 198	66.0
443	17.0 - 23.0% of mass 442	13.0 (19.6)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00R0326	R3592	03/26/07	1308
02	WG37124-BLANK	WG37124-1	R3593	03/26/07	1352
03	WG37124-LCS	WG37124-2	R3594	03/26/07	1434
04	WG37124-LCSD	WG37124-3	R3595	03/26/07	1517
05	MPT-28-RB01-031407	SA1151-1	R3596	03/26/07	1600
06	MPT-28-RB02-031507	SA1151-14	R3597	03/26/07	1642
07	PT-28-SB41-04-03140	SA1151-3	R3601	03/26/07	1936
08	PT-28-SB43-03-03140	SA1151-5	R3603	03/26/07	2104
09	PT-28-SB22-04-03140	SA1151-2	R3604	03/26/07	2148
10	PT-28-SB45-02-03140	SA1151-7	R3605	03/26/07	2232
11	PT-28-SB44-03-03140	SA1151-6	R3606	03/26/07	2317
12					
13					
14					
15					
16					
17					
18					
19					
20					

FORM V SV

SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Instrument ID: GCMS-R Calibration Date: 03/26/07 Time: 1308

Lab File ID: R3592 Init. Calib. Date(s): 03/05/07 03/05/07

Init. Calib. Times: 1106 1440

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Benzo(a)anthracene	1.1140000	0.9356100	0.01	-16.01	100.00	AVRG
Chrysene	1.2670000	1.4788000	0.01	16.72	100.00	AVRG
Benzo(b)fluoranthene	1.4370000	0.9632000	0.01	-32.97	100.00	AVRG
Benzo(k)fluoranthene	1.8400000	2.1498000	0.01	16.84	100.00	AVRG
Benzo(a)pyrene	1.3120000	1.3233000	0.01	0.86	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.7560000	0.3172700	0.01	-58.03	100.00	AVRG
Dibenzo(a,h)anthracene	0.9110000	0.5125900	0.01	-43.73	100.00	AVRG
2-Methylnaphthalene-d10	0.4720000	0.4815100	0.01	2.01	100.00	AVRG
Fluorene-d10	1.4640000	1.4574000	0.01	-0.45	100.00	AVRG
Pyrene-d10	1.4080000	1.2192000	0.01	-13.41	100.00	AVRG

FORM VII PEST

SEMIVOLATILE ORGANIC INSTRUMENT PERFORMANCE CHECK
DECAFLUOROTRIPHENYLPHOSPHINE (DFTPP)

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Lab File ID: RD281 DFTPP Injection Date: 03/27/07

Instrument ID: GCMS-R DFTPP Injection Time: 1014

m/e	ION ABUNDANCE CRITERIA	% RELATIVE ABUNDANCE
51	30.0 - 60.0% of mass 198	33.0
68	Less than 2.0% of mass 69	0.5 (1.5)1
69	Less than 100.0% of mass 198	35.1
70	Less than 2.0% of mass 69	0.0 (0.0)1
127	40.0 - 60.0% of mass 198	50.6
197	Less than 1.0% of mass 198	0.0
198	Base Peak, 100% relative abundance	100.0
199	5.0 to 9.0% of mass 198	6.9
275	10.0 - 30.0% of mass 198	22.1
365	1.0 - 100.0% of mass 198	2.7
441	0.0 - 100.0% of mass 443	11.2 (77.4)2
442	40.0 - 100.0% of mass 198	75.6
443	17.0 - 23.0% of mass 442	14.5 (19.2)3

1-Value is % mass 69 2-Value is % mass 443
3-Value is % mass 442

THIS CHECK APPLIES TO THE FOLLOWING SAMPLES, MS, MSD, BLANKS, AND STANDARDS:

	CLIENT SAMPLE ID	LAB SAMPLE ID	LAB FILE ID	DATE ANALYZED	TIME ANALYZED
01		SSTD1.00R0327	R3609	03/27/07	1121
02	WG37139-BLANK	WG37139-1RA	R3620	03/27/07	1914
03	PT-28-SB42-04-03140	SA1151-4RA	R3621	03/27/07	1958
04	WG37139-LCS	WG37139-2RA	R3622	03/27/07	2042
05	WG37139-LCSD	WG37139-3RA	R3623	03/27/07	2126
06					
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FORM V SV

SEMIVOLATILE CALIBRATION VERIFICATION SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Instrument ID: GCMS-R Calibration Date: 03/27/07 Time: 1121

Lab File ID: R3609 Init. Calib. Date(s): 03/05/07 03/05/07

Init. Calib. Times: 1106 1440

GC Column: ZB5-MS ID: 0.25 (mm)

COMPOUND	RRF OR AMOUNT	RRF1.0000 OR AMOUNT	MIN RRF	%D OR %DRIFT	MAX %D OR %DRIFT	CURV TYPE
Benzo(a)anthracene	1.1140000	0.9942200	0.01	-10.75	100.00	AVRG
Chrysene	1.2670000	1.2916000	0.01	1.94	100.00	AVRG
Benzo(b)fluoranthene	1.4370000	1.0910000	0.01	-24.08	100.00	AVRG
Benzo(k)fluoranthene	1.8400000	1.7266000	0.01	-6.16	100.00	AVRG
Benzo(a)pyrene	1.3120000	1.1743000	0.01	-10.50	20.00	AVRG
Indeno(1,2,3-cd)pyrene	0.7560000	0.5701400	0.01	-24.58	100.00	AVRG
Dibenzo(a,h)anthracene	0.9110000	0.7618300	0.01	-16.37	100.00	AVRG
2-Methylnaphthalene-d10	0.4720000	0.4846300	0.01	2.68	100.00	AVRG
Fluorene-d10	1.4640000	1.4032000	0.01	-4.15	100.00	AVRG
Pyrene-d10	1.4080000	1.5818000	0.01	12.34	100.00	AVRG

FORM VII PEST

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Lab File ID (Standard): R3592 Date Analyzed: 03/26/07

Instrument ID: GCMS-R Time Analyzed: 1308

		IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD		19870	8.90	72686	11.74	33028	15.93
UPPER LIMIT		39740	9.40	145372	12.24	66056	16.43
LOWER LIMIT		9935	8.40	36343	11.24	16514	15.43
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG37124-BLANK	WG37124-1	21368	8.90	86145	11.74	39560	15.93
02	WG37124-LCS	WG37124-2	24802	8.90	95318	11.74	47180	15.93
03	WG37124-LCSD	WG37124-3	22045	8.90	86019	11.74	41930	15.93
04	MPT-28-RB01-031407	SA1151-1	23202	8.90	85061	11.74	42997	15.93
05	MPT-28-RB02-031507	SA1151-14	21616	8.90	80529	11.74	41742	15.93
06	PT-28-SB41-04-03140	SA1151-3	25951	8.91	100310	11.75	47740	15.93
07	PT-28-SB43-03-03140	SA1151-5	25638	8.91	98988	11.76	45633	15.94
08	PT-28-SB22-04-03140	SA1151-2	25512	8.91	102782	11.76	50454	15.94
09	PT-28-SB45-02-03140	SA1151-7	24695	8.91	97103	11.76	47160	15.93
10	PT-28-SB44-03-03140	SA1151-6	26901	8.91	109299	11.76	55554	15.94
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Lab File ID (Standard): R3592 Date Analyzed: 03/26/07

Instrument ID: GCMS-R Time Analyzed: 1308

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		42081	19.51	30310	25.93	19103	29.13
UPPER LIMIT		84162	20.01	60620	26.43	38206	29.63
LOWER LIMIT		21041	19.01	15155	25.43	9552	28.63
	CLIENT SAMPLE ID	LAB SAMPLE ID					
01	WG37124-BLANK	WG37124-1	52124	19.51	35824	25.94	24151	29.14
02	WG37124-LCS	WG37124-2	64798	19.51	51541	25.93	33191	29.13
03	WG37124-LCSD	WG37124-3	60454	19.51	42834	25.93	20278	29.13
04	MPT-28-RB01-031407	SA1151-1	59179	19.51	39450	25.95	28342	29.14
05	MPT-28-RB02-031507	SA1151-14	56925	19.51	35023	25.95	18982	29.14
06	PT-28-SB41-04-03140	SA1151-3	67732	19.51	49038	25.94	30365	29.13
07	PT-28-SB43-03-03140	SA1151-5	61856	19.51	36145	25.95	20623	29.14
08	PT-28-SB22-04-03140	SA1151-2	73002	19.51	50086	25.93	30007	29.12
09	PT-28-SB45-02-03140	SA1151-7	62803	19.51	39647	25.93	25219	29.12
10	PT-28-SB44-03-03140	SA1151-6	75186	19.53	31725	25.94	17310	29.15
11								
12								
13								
14								
15								
16								
17								
18								
19								
20								

IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Lab File ID (Standard): R3609 Date Analyzed: 03/27/07

Instrument ID: GCMS-R Time Analyzed: 1121

	IS1(DCB) AREA #	RT #	IS2(NPT) AREA #	RT #	IS3(ANT) AREA #	RT #
12 HOUR STD	22399	8.90	89439	11.74	45379	15.94
UPPER LIMIT	44798	9.40	178878	12.24	90758	16.44
LOWER LIMIT	11200	8.40	44720	11.24	22690	15.44

	CLIENT SAMPLE ID	LAB SAMPLE ID						
01	WG37139-BLANK	WG37139-1RA	23795	8.91	92111	11.76	43686	15.94
02	PT-28-SB42-04-03140	SA1151-4RA	22969	8.91	89361	11.75	42103	15.94
03	WG37139-LCS	WG37139-2RA	25102	8.90	98988	11.74	50782	15.93
04	WG37139-LCSD	WG37139-3RA	25318	8.91	99605	11.76	51220	15.93
05								
06								
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08								
09								
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12								
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14								
15								
16								
17								
18								
19								
20								

IS1 (DCB) = 1,4-Dichlorobenzene-D4
IS2 (NPT) = Naphthalene-D8
IS3 (ANT) = Acenaphthene-D10

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-1

SEMIVOLATILE INTERNAL STANDARD AREA AND RT SUMMARY

Lab Name: KATAHDIN ANALYTICAL SERVICES Lab Code: KAS

Project: CTO 0033 NAVSTA MAYPORT SDG No.: SA1151

Lab File ID (Standard): R3609 Date Analyzed: 03/27/07

Instrument ID: GCMS-R Time Analyzed: 1121

		IS4(PHN) AREA #	RT #	IS5(CRY) AREA #	RT #	IS6(PRY) AREA #	RT #
12 HOUR STD		57821	19.51	25422	25.93	14607	29.13
UPPER LIMIT		115642	20.01	50844	26.43	29214	29.63
LOWER LIMIT		28911	19.01	12711	25.43	7304	28.63
CLIENT SAMPLE ID	LAB SAMPLE ID						
01 WG37139-BLANK	WG37139-1RA	56835	19.51	22238	25.94	9359	29.13
02 PT-28-SB42-04-03140	SA1151-4RA	55059	19.51	22368	25.94	10284	29.13
03 WG37139-LCS	WG37139-2RA	67213	19.51	38808	25.93	20833	29.13
04 WG37139-LCSD	WG37139-3RA	69544	19.51	34493	25.93	15721	29.13
05							
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18							
19							
20							

IS4 (PHN) = Phenanthrene-D10
IS5 (CRY) = Chrysene-D12
IS6 (PRY) = Perylene-D12

AREA UPPER LIMIT = +100% of internal standard area
AREA LOWER LIMIT = - 50% of internal standard area
RT UPPER LIMIT = + 0.50 minutes of internal standard RT
RT LOWER LIMIT = - 0.50 minutes of internal standard RT

Column used to flag internal standard area values with an asterisk.
* Values outside of QC limits.

FORM VIII SV-2

Tetra Tech NUS **INTERNAL CORRESPONDENCE**

TO:	**S. BALLARD**	**DATE:**	**APRIL 18, 2007**
FROM:	**MATTHEW D. KRAUS**	**COPIES:**	**DV FILE**

SUBJECT: **INORGANIC DATA VALIDATION – ARSENIC & MISCELLANOUS**
NS MAYPORT – CTO 033
SDG – SA1151

SAMPLES: 12/Soil/

MPT-28-SB05-04-031507	MPT-28-SB22-04-031407
MPT-28-SB36-04-031507	MPT-28-SB37-03-031507
MPT-28-SB38-04-031507	MPT-28-SB39-04-031507
MPT-28-SB40-04-031507	MPT-28-SB41-04-031407
MPT-28-SB42-04-031407	MPT-28-SB43-03-031407
MPT-28-SB44-03-031407	MPT-28-SB45-02-031407

2/Aqueous/

MPT-28-RB01-031407	MPT-28-RB02-031507

Overview

The sample set for NS MAYPORT, CTO 033, SDG SA1151, consists of twelve soil environmental samples and two rinsate blanks.

All samples were analyzed for arsenic and the soil samples were also analyzed for percent solids. Tetra Tech NUS collected the samples on March 14-15, 2007. Katahdin Analytical Services analyzed all samples. Arsenic analyses were conducted according SW846 method 6010B and Inductively Coupled Plasma-Atomic Emission Spectrometer (ICP-AES) methodology.

These data were evaluated based on the following parameters:

* • Data Completeness
* • Holding Times
* • Calibration Recoveries
* • Laboratory Method/Preparation Blank Analyses
* • ICP Interference Check Sample
* • Matrix Spike Recoveries
* • Laboratory Control Sample Recoveries
* • ICP Serial Dilution Results
* • Detection Limits
* • Analyte Quantitation

* - All quality control criteria were met for this parameter.

Notes

The serial dilution percent difference (%D) of sample MPT-28-SB40-04-031507 was greater than 10%D for arsenic; however, the original sample result for arsenic was less than 50X the MDL therefore no validation action was taken.

Executive Summary

Laboratory Performance: None.

Other Factors Affecting Data Quality: None.

The data for these analyses were reviewed with reference to the "National Functional Guidelines for Inorganic Data Review", October 2004, and the Department of Defense (DoD) document entitled "Quality Systems Manual (QSM) for Environmental Laboratories" (January 2006).

The text of this report has been formulated to address only those problem areas affecting data quality.

"I attest that the data referenced herein were validated according to the agreed upon validation criteria as specified in the DoD QSM and the Quality Assurance Project Plan (QAPP)."

Tetra Tech NUS
Matthew D. Kraus
Environmental Chemist

Tetra Tech NUS
Joseph A. Samchuck
Quality Assurance Officer

Attachments:

1. Appendix A - Qualified Analytical Results
2. Appendix B - Results as reported by the Laboratory
3. Appendix C - Support Documentation

APPENDIX A
QUALIFIED ANALYTICAL RESULTS

Data Validation Qualifier Codes:

A = Lab Blank Contamination
B = Field Blank Contamination
C = Calibration Noncompliance (e.g. % RSDs, %Ds, ICVs, CCVs, RRFs, etc.)
C01 = GC/MS Tuning Noncompliance
D = MS/MSD Recovery Noncompliance
E = LCS/LCSD Recovery Noncompliance
F = Lab Duplicate Imprecision
G = Field Duplicate Imprecision
H = Holding Time Exceedance
I = ICP Serial Dilution Noncompliance
J = GFAA PDS - GFAA MSA's $r < 0.995$
K = ICP Interference - includes ICS % R Noncompliance
L = Instrument Calibration Range Exceedance
M = Sample Preservation Noncompliance
N = Internal Standard Noncompliance
N01 = Internal Standard Recovery Noncompliance Dioxins
N02 = Recovery Standard Noncompliance Dioxins
N03 = Clean-up Standard Noncompliance Dioxins
O = Poor Instrument Performance (e.g. base-line drifting)
P = Uncertainty near detection limit (< 2 x IDL for inorganics and <CRQL for organics)
Q = Other problems (can encompass a number of issues; e.g. chromatography,interferences, etc.)
R = Surrogates Recovery Noncompliance
S = Pesticide/PCB Resolution
T = % Breakdown Noncompliance for DDT and Endrin
U = % Difference between columns/detectors >25% for positive results determined via GC/HPLC
V = Non-linear calibrations; correlation coefficient $r < 0.995$
W = EMPC result
X = Signal to noise response drop
Y = Percent solids <30%
Z = Uncertainty at 2 sigma deviation is greater than sample activity

PROJ_NO: 00436

SDG: SA1151 MEDIA: WATER DATA FRACTION: M

nsample	MPT-28-RB01-031407	nsample	MPT-28-RB02-031507
samp_date	3/14/2007	samp_date	3/15/2007
lab_id	SA1151-001	lab_id	SA1151-014
qc_type	NM	qc_type	NM
units	UG/L	units	UG/L
Pct_Solids	0.0	Pct_Solids	0.0
DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.53	U	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.53	U	

PROJ_NO: 00436

SDG: SA1151 MEDIA: SOIL DATA FRACTION: M

nsample	MPT-28-SB05-04-031507
samp_date	3/15/2007
lab_id	SA1151-010
qc_type	NM
units	MG/KG
Pct_Solids	87.0
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.1		

nsample	MPT-28-SB22-04-031407
samp_date	3/14/2007
lab_id	SA1151-002
qc_type	NM
units	MG/KG
Pct_Solids	74.3
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.9		

nsample	MPT-28-SB36-04-031507
samp_date	3/15/2007
lab_id	SA1151-008
qc_type	NM
units	MG/KG
Pct_Solids	91.4
DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.2		

PROJ_NO: 00436

SDG: SA1151 MEDIA: SOIL DATA FRACTION: M

nsample	MPT-28-SB37-03-031507	nsample	MPT-28-SB38-04-031507	nsample	MPT-28-SB39-04-031507
samp_date	3/15/2007	samp_date	3/15/2007	samp_date	3/15/2007
lab_id	SA1151-009	lab_id	SA1151-011	lab_id	SA1151-012
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	87.9	Pct_Solids	87.4	Pct_Solids	75.8
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.92		

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.72		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.4		

PROJ_NO: 00436

SDG: SA1151 MEDIA: SOIL DATA FRACTION: M

nsample	MPT-28-SB40-04-031507	nsample	MPT-28-SB41-04-031407	nsample	MPT-28-SB42-04-031407
samp_date	3/15/2007	samp_date	3/14/2007	samp_date	3/14/2007
lab_id	SA1151-013	lab_id	SA1151-003	lab_id	SA1151-004
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	87.3	Pct_Solids	76.8	Pct_Solids	81.2
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.98		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.2		

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.2		

PROJ_NO: 00436

SDG: SA1151 MEDIA: SOIL DATA FRACTION: M

nsample	MPT-28-SB43-03-031407	nsample	MPT-28-SB44-03-031407	nsample	MPT-28-SB45-02-031407
samp_date	3/14/2007	samp_date	3/14/2007	samp_date	3/14/2007
lab_id	SA1151-005	lab_id	SA1151-006	lab_id	SA1151-007
qc_type	NM	qc_type	NM	qc_type	NM
units	MG/KG	units	MG/KG	units	MG/KG
Pct_Solids	80.4	Pct_Solids	94.1	Pct_Solids	90.0
DUP_OF:		DUP_OF:		DUP_OF:	

Parameter	Result	Val Qual	Qual Code
ARSENIC	1.3		

Parameter	Result	Val Qual	Qual Code
ARSENIC	2.1		

Parameter	Result	Val Qual	Qual Code
ARSENIC	0.83		

APPENDIX B
RESULTS AS REPORTED BY THE LABORATORY

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB05-04-03150

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 87.0 **Lab Sample ID:** SA1151-010

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	1.1			P	1	0.83	0.16

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB22-04-03140

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 74.3 **Lab Sample ID:** SA1151-002

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	1.9			P	1	0.65	0.12

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB36-04-03150

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 91.4 **Lab Sample ID:** SA1151-008

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	1.2			P	1	0.64	0.12

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB37-03-03150

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 87.9 **Lab Sample ID:** SA1151-009

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	0.92			P	1	0.52	0.10

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB38-04-03150

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 87.4 **Lab Sample ID:** SA1151-011

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	0.72	I		P	1	0.79	0.15

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB39-04-03150

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 75.8 **Lab Sample ID:** SA1151-012

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	1.4			P	1	0.59	0.11

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB40-04-03150

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 87.3 **Lab Sample ID:** SA1151-013

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	0.98			P	1	0.53	0.10

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB41-04-03140

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 76.8 **Lab Sample ID:** SA1151-003

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	1.2			P	1	0.73	0.14

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB42-04-03140

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 81.2 **Lab Sample ID:** SA1151-004

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	1.2			P	1	0.93	0.18

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB43-03-03140

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 80.4 **Lab Sample ID:** SA1151-005

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	1.3			P	1	0.84	0.16

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB44-03-03140

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 94.1 **Lab Sample ID:** SA1151-006

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	2.1			P	1	0.82	0.16

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB45-02-03140

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 90.0 **Lab Sample ID:** SA1151-007

Concentration Units : mg/Kg

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	0.83			P	1	0.58	0.11

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-RB01-031407

Matrix: WATER **SDG Name:** SA1151

Percent Solids: 0.00 **Lab Sample ID:** SA1151-001

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	1.53	U		P	1	8.0	1.53

Bottle ID: A

Comments:

FORM I - IN

INORGANIC ANALYSIS DATA SHEET

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-RB02-031507

Matrix: WATER **SDG Name:** SA1151

Percent Solids: 0.00 **Lab Sample ID:** SA1151-014

Concentration Units : ug/L

CAS No.	Analyte	Concentration	C	Q	M	DF	Adjusted PQL	Adjusted IDL
7440-38-2	ARSENIC, TOTAL	1.53	U		P	1	8.0	1.53

Bottle ID: A

Comments:

FORM I - IN

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-10
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB05-04-03150	SL	15-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	87. %	1	CLP SOW 788	WG37140	20-MAR-07 11:17:00	CLP SOW 788	19-MAR-07	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-2
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB22-04-03140	SL	14-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	74. %	1	CLP SOW 788	WG37140	20-MAR-07 11:09:00	CLP SOW 788	19-MAR-07	JF	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

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sales@katahdinlab.com

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-8
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB36-04-03150	SL	15-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	91. %	1	CLP SOW 788	WG37140	20-MAR-07 11:15:00	CLP SOW 788	19-MAR-07	JF	

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-9
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB37-03-03150	SL	15-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	88. %	1	CLP SOW 788	WG37140	20-MAR-07 11:16:00	CLP SOW 788	19-MAR-07	JF	

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-11
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB38-04-03150	SL	15-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	87. %	1	CLP SOW 788	WG37140	20-MAR-07 11:18:00	CLP SOW 788	19-MAR-07	JF	

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-12
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB39-04-03150	SL	15-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	76. %	1	CLP SOW 788	WG37140	20-MAR-07 11:19:00	CLP SOW 788	19-MAR-07	JF	

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-13
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB40-04-03150	SL	15-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	87. %	1	CLP SOW 788	WG37140	20-MAR-07 11:20:00	CLP SOW 788	19-MAR-07	JF	

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ANALYTICAL SERVICES

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Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-3
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB41-04-03140	SL	14-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	77. %	1	CLP SOW 788	WG37140	20-MAR-07 11:10:00	CLP SOW 788	19-MAR-07	JF	

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ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-4
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB42-04-03140	SL	14-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	81. %	1	CLP SOW 788	WG37140	20-MAR-07 11:11:00	CLP SOW 788	19-MAR-07	JF	

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-5
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB43-03-03140	SL	14-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	80. %	1	CLP SOW 788	WG37140	20-MAR-07 11:12:00	CLP SOW 788	19-MAR-07	JF	

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-6
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB44-03-03140	SL	14-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	94. %	1	CLP SOW 788	WG37140	20-MAR-07 11:13:00	CLP SOW 788	19-MAR-07	JF	

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Katahdin
ANALYTICAL SERVICES

Cert No E87604

Report of Analytical Results

Client: Amy Thomson
Tetra Tech NUS, Inc.
661 Andersen Drive
Pittsburgh,PA 15220

Lab Sample ID: SA1151-7
Report Date: 23-MAR-07
Client PO: MSA-0402-N4113-05 101198
Project: CTO 0033 NAVSTA Mayport
SDG: SA1151

Sample Description	Matrix	Date Sampled	Date Received
MPT-28-SB45-02-03140	SL	14-MAR-07	17-MAR-07

Parameter	Result	Adj PQL	Anal. Method	QC.Batch	Anal. Date	Prep. Method	Prep. Date	Analyst	Footnotes
Total Solids	90. %	1	CLP SOW 788	WG37140	20-MAR-07 11:14:00	CLP SOW 788	19-MAR-07	JF	

APPENDIX C
SUPPORT DOCUMENTATION

HOLDTIME

SDG SA1151

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
M	MG/KG	MPT-28-SB22-04-03140	SA1151-002	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB45-02-03140	SA1151-007	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB44-03-03140	SA1151-006	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB05-04-03150	SA1151-010	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB43-03-03140	SA1151-005	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB42-04-03140	SA1151-004	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB41-04-03140	SA1151-003	NM	3/14/2007	3/23/2007	3/24/2007	9	1	10
M	MG/KG	MPT-28-SB40-04-03150	SA1151-013	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB39-04-03150	SA1151-012	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB38-04-03150	SA1151-011	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB36-04-03150	SA1151-008	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	MG/KG	MPT-28-SB37-03-03150	SA1151-009	NM	3/15/2007	3/23/2007	3/24/2007	8	1	9
M	UG/L	MPT-28-RB01-031407	SA1151-001	NM	3/14/2007	3/22/2007	3/22/2007	8	0	8
M	UG/L	MPT-28-RB02-031507	SA1151-014	NM	3/15/2007	3/22/2007	3/22/2007	7	0	7
TS	%	MPT-28-SB39-04-03150	SA1151-12	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
TS	%	MPT-28-SB44-03-03140	SA1151-6	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB43-03-03140	SA1151-5	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB42-04-03140	SA1151-4	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB41-04-03140	SA1151-3	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB40-04-03150	SA1151-13	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB05-04-03150	SA1151-10	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB38-04-03150	SA1151-11	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB37-03-03150	SA1151-9	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB36-04-03150	SA1151-8	NM	3/15/2007	3/19/2007	3/20/2007	4	1	5
TS	%	MPT-28-SB22-04-03140	SA1151-2	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
TS	%	MPT-28-SB45-02-03140	SA1151-7	NM	3/14/2007	3/19/2007	3/20/2007	5	1	6
PAH	%	MPT-28-SB45-02-03140	SA1151-7	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	%	MPT-28-RB01-031407	SA1151-1	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	%	MPT-28-RB02-031507	SA1151-14	NM	3/15/2007	3/20/2007	3/26/2007	5	6	11
PAH	%	MPT-28-SB22-04-03140	SA1151-2	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	%	MPT-28-SB41-04-03140	SA1151-3	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	%	MPT-28-SB42-04-03140R	SA1151-4RA	NM	3/14/2007	3/20/2007	3/27/2007	6	7	13
PAH	%	MPT-28-SB44-03-03140	SA1151-6	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12

SORT	UNITS	NSAMPLE	LAB_ID	QC_TYPE	SAMP_DATE	EXTR_DATE	ANAL_DATE	SMP_EXTR	EXTR_ANL	SMP_ANL
PAH	%	MPT-28-SB43-03-03140	SA1151-5	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB22-04-03140	SA1151-2	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB41-04-03140	SA1151-3	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB42-04-03140R	SA1151-4RA	NM	3/14/2007	3/20/2007	3/27/2007	6	7	13
PAH	UG/KG	MPT-28-SB43-03-03140	SA1151-5	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB44-03-03140	SA1151-6	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/KG	MPT-28-SB45-02-03140	SA1151-7	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/L	MPT-28-RB01-031407	SA1151-1	NM	3/14/2007	3/20/2007	3/26/2007	6	6	12
PAH	UG/L	MPT-28-RB02-031507	SA1151-14	NM	3/15/2007	3/20/2007	3/26/2007	5	6	11

TETRA TECH NUS, INC. SAHS 1

CHAIN OF CUSTODY | NUMBER 2429 | PAGE 1 OF 2

PROJECT NO:	FACILITY:	PROJECT MANAGER	PHONE NUMBER	LABORATORY NAME AND CONTACT:
112G00436	SWMU 28	Shina Ballard	904-636-6125	Katahdin Andrea Colby
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Jon Foster	PHONE NUMBER: 904-636-6125	ADDRESS: 95 Hutchins Drive
		CARRIER/WAYBILL NUMBER: Fed Ex: 8427 1834 3261 & 8427 1834 3272		CITY, STATE: Portland, Maine

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

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

PRESERVATIVE USED: None, None, HNO_3, None

TYPE OF ANALYSIS: Arsenic SW-846 6010-B; PAHs SW-846 8270-C; Arsenic SW-846 6010-B; PAHs SW-846 8270-C

DATE YEAR 2007	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	Arsenic SW-846 6010-B	PAHs SW-846 8270-C	Arsenic SW-846 6010-B	PAHs SW-846 8270-C					COMMENTS
3/14	1145	MPT-28-RB01-031407				QC		3			X	X					Cool to
	1207	MPT-28-SB22-04-031407		3.0	4.0	SO	G	1	X	X							4° C
	1225	MPT-28-SB41-04-031407		3.0	4.0	SO	G	1									
	1247	MPT-28-SB42-04-031407		3.0	4.0	SO	G	1									
	1311	MPT-28-SB43-03-031407		2.0	3.0	SO	G	1									
	1354	MPT-28-SB44-03-031407		2.0	3.0	SO	G	1									
	1424	MPT-28-SB45-02-031407		1.0	2.0	SO	G	1									
3/15	1100	MPT-28-SB36-04-031507		3.0	4.0	SO	G	1									
	1136	MPT-28-SB37-03-031507		2.0	3.0	SO	G	1									
	1159	MPT-28-SB05-04-031507		3.0	4.0	SO	G	1									
	1219	MPT-28-SB38-04-031507		3.0	4.0	SO	G	1									
	1245	MPT-28-SB39-04-031507		3.0	4.0	SO	G	1									
	1339	MPT-28-SB40-04-031507		3.0	4.0	SO	G	1									

	DATE	TIME		DATE	TIME
1. RELINQUISHED BY Jonathan Foster	3/16/07	1200	1. RECEIVED BY Daphne G Warren	3/17/07	1300
2. RELINQUISHED BY			2. RECEIVED BY		
3. RELINQUISHED BY			3. RECEIVED BY		

COMMENTS

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

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SA1151

TETRA TECH NUS, INC.

CHAIN OF CUSTODY | NUMBER ~~2594~~ 2721 (SF) | PAGE 2 OF 2

PROJECT NO: 112G00436	FACILITY: SWMU 28	PROJECT MANAGER: Shima Ballard	PHONE NUMBER: 904-636-6125	LABORATORY NAME AND CONTACT: Katahdin Andrea Colby
SAMPLERS (SIGNATURE)		FIELD OPERATIONS LEADER: Jon Foster	PHONE NUMBER: 904-636-6125	ADDRESS: 95 Hutchins Drive
		CARRIER/WAYBILL NUMBER		CITY, STATE: Portland, Maine

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

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

PRESERVATIVE USED

TYPE OF ANALYSIS: Arsenic SW-846 6010-B HNO3; PAHs SW-846 8270-C None

DATE YEAR 2007	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	Arsenic SW-846 6010-B HNO3	PAHs SW-846 8270-C None							COMMENTS
3/15	1359	MPT-28-RB02-031507				QC		3	1	2							Cool to 4° C

1. RELINQUISHED BY Jonathan Foster	DATE 3/16/07	TIME 1200	1. RECEIVED BY [signature]	DATE 3/17/07	TIME 1300
2. RELINQUISHED BY	DATE	TIME	2. RECEIVED BY	DATE	TIME
3. RELINQUISHED BY	DATE	TIME	3. RECEIVED BY	DATE	TIME

COMMENTS

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FORM NO. TtNUS-001

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Katahdin ANALYTICAL SERVICES

Cert. No. E87604

SDG NARRATIVE
KATAHDIN ANALYTICAL SERVICES
TETRA TECH NUS
CASE CTO 0033 NAVSTA MAYPORT
SA1151

Sample Receipt

The following samples were received on March 17, 2007 and were logged in under Katahdin Analytical Services work order number SA1151 for a hardcopy due date of March 29, 2007.

KATAHDIN Sample No.	TTNUS Sample Identification
1 SA1151-1	MPT-28-RB01-031407
2 SA1151-2	MPT-28-SB22-04-03140
8 SA1151-3	MPT-28-SB41-04-03140
9 SA1151-4	MPT-28-SB42-04-03140
10 SA1151-5	MPT-28-SB43-03-03140
11 SA1151-6	MPT-28-SB44-03-03140
12 SA1151-7	MPT-28-SB45-02-03140
3 SA1151-8	MPT-28-SB36-04-03150
4 SA1151-9	MPT-28-SB37-03-03150
1 SA1151-10	MPT-28-SB05-04-03150
5 SA1151-11	MPT-28-SB38-04-03150
6 SA1151-12	MPT-28-SB39-04-03150
7 SA1151-13	MPT-28-SB40-04-03150
2 SA1151-14	MPT-28-RB02-031507

The samples were logged in for the analyses specified on the chain of custody form. All problems encountered and resolved during sample receipt have been documented on the applicable chain of custody forms.

The client IDs on the Chain of Custody exceeds the 20-character limit of the Katahdin Analytical Information Management System. Therefore, the last character ("7") in the client IDs for SA1151-2 through SA1151-13 was omitted on all forms.

We certify that the test results provided in this report meet all the requirements of the NELAC standards unless otherwise noted in this narrative or in the Report of Analysis.

Sample analyses have been performed by the methods as noted herein.

Should you have any questions or comments concerning this Report of Analysis, please do not hesitate to contact your Katahdin Analytical Services Project Manager, **Andrea J. Colby**. This narrative is an integral part of the Report of Analysis.

Organics Analysis

The samples of work order SA1151 were analyzed in accordance "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846, 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA, and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA, and/or for the specific methods listed below or on the Report of Analysis. Some manual integrations may have been performed due to split peaks and/or corrected baselines. All have been flagged with an "M" (software-generated) on the pertinent quantitation reports.

8270C SIM Analysis

The reported percent recovery acceptance limits for the Laboratory Control Samples (LCSs) are statistically derived for the full list of spiked compounds. The recoveries of the spiked analytes in the LCS, Matrix Spike (MS) and Matrix Spike Duplicate (MSD) are compared to these acceptance limits. Katahdin standard operating procedure is not to take corrective action until the number of spiked analytes in the LCS that are outside of the QC limits is not greater than the DoD QSM allowable number of exceedances. If the associated MS/MSD has greater than the allowable number of exceedances, no corrective action is taken, as long the LCS is acceptable.

The LCS/LCSD WG37124-2 and 3 had a RPD for one spiked analyte that was outside of the laboratory acceptance limits. Since the recoveries were acceptable, no further action was taken.

The initial calibration analyzed on the R instrument had a %RSD value for the target analyte indeno(1,2,3-cd)pyrene that exceeded the method acceptance limit of 15%. This target analyte also failed for both the linear and quadratic models in the initial calibration curve due to the correlation coefficient being less than the method acceptance criteria of 0.990. Therefore, this compound was calibrated using the average model. Since this analyte was not detected above the MDL for any of the associated samples, the samples were not reanalyzed.

There were no other protocol deviations or observations noted by the organics laboratory staff.

Metals Analysis

The samples of Katahdin Work Order SA1151 were prepared and analyzed for metals in accordance with the "Test Methods for Evaluating Solid Wastes: Physical/Chemical Methods." SW-846. 2nd edition, 1982 (revised 1984), 3rd edition, 1986, and Updates I, II, IIA, III, IIIA and IIIB 1996, 1998 & 2004, Office of Solid Waste and Emergency Response, U.S. EPA.

Inductively-Coupled Plasma Atomic Emission Spectroscopic Analysis (ICP)

Aqueous-matrix Katahdin Sample Nos. SA1151-(1, 14) were digested for ICP analysis on 03/22/07 (QC Batch XC22ICW0) in accordance with USEPA Method 3010A.

Soil-matrix Katahdin Sample Nos. SA1151-(2-13) were digested for ICP analysis on 03/23/07 (QC Batch XC23ICS0) in accordance with USEPA Method 3050B. Katahdin Sample No. SA1151-13 was prepared with duplicate matrix-spiked aliquots.

ICP analyses of Katahdin Work Order SA1151 sample digestates were performed using a Thermo iCAP 6500 ICP spectrometer. All samples were analyzed within holding times and all analytical run QC criteria were met, with the following comments or exceptions:

In ICP Run IXC23A, performed on 03/23/07, the measured magnesium recoveries in the ICSA solutions analyzed at 22:55 (121.3%) and 01:43 (121.7%) are outside the laboratory's acceptance criteria. Because there is no interfering element correction for magnesium at the analytical wavelength for arsenic, no corrective action was required.

Some of the results for run QC samples (ICV, ICB, CCV, CCB, ICSA, and ICSAB) included in the accompanying data package may have exceeded acceptance limits for some elements. Please note that all client samples and batch QC samples associated with out-of-control results for run QC samples were subsequently reanalyzed for the analytes in question.

Matrix QC Summary

The matrix-spiked aliquots of Katahdin Sample No. SA1151-13 were within the laboratory's acceptance criteria (75% - 125% recovery of the added element, if the native concentration is less than four times the amount added) for arsenic.

The matrix-spike duplicate analysis of Katahdin Sample No. SA1151-13 was within the laboratory's acceptance limit (<20% relative difference between duplicate matrix-spiked aliquots) for arsenic.

The serial dilution analysis of Katahdin Sample No. SA1151-13 was within the laboratory's acceptance limit (<10% relative percent difference, if the concentration in the original sample is greater than 50 times the IDL) for arsenic.

Wet Chemistry Analysis

The samples of work order SA1151 were analyzed in accordance with the specific methods listed on the Report of Analysis.

Analyses for total solids were performed according to U.S. EPA Contract Laboratory Program Statement of Work for Inorganic Analysis, SOW 788.

All analyses were performed within analytical holding times. All quality control criteria were met.

Katahdin
ANALYTICAL SERVICES

ACCREDITED IN ACCORDANCE WITH nelac
Cert. No. E87604

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package has been authorized by the Operations Manager or the Quality Assurance Officer as verified by the following signature.

Leslie Dimond
3-30-07

Leslie Dimond
Quality Assurance Officer

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www.katahdinlab.com

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra Tech	KAS PM: AJC	Sampled By:
Project:	KIMS Entry By: DJS	Delivered By: Fedex
KAS Work Order#: SA 1151	KIMS Review By: AC	Received By: DHW
SDG #:	Cooler: 1 of 2	Date/Time Rec.: 3/17/07 1300

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?	✓				
3. Chain of Custody signed by client?	✓				
4. Chain of Custody matches samples?	X				
5. Temperature Blanks present?	✓				Temp (°C): 3.9
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace?					
Aqueous: No bubble larger than a pea				X	
Soil/Sediment:					
Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?				X	
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved?					
Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

00000016

Katahdin Analytical Services, Inc. **Sample Receipt Condition Report**

Client: Tetra tech	KAS PM: AJC	Sampled By:
Project:	KIMS Entry By: DD	Delivered By: Fedex
KAS Work Order#: SA1151	KIMS Review By: AC	Received By: DKW
SDG #:	Cooler: 2 of 2	Date/Time Rec.: 3/17/07 1300

Receipt Criteria	Y	N	EX*	NA	Comments and/or Resolution
1. Custody seals present / intact?	✓				
2. Chain of Custody present in cooler?		✓			
3. Chain of Custody signed by client?				✓	
4. Chain of Custody matches samples?	✓			X DD	
5. Temperature Blanks present?	✓				Temp (°C): 2.4
6. Samples received at < 6 °C w/o freezing? Ice or ice packs present? (Y) or N	✓				Cooler temp. (°C): (if no temp blank)
7. Volatiles free of headspace? **Aqueous:** No bubble larger than a pea				X	
Soil/Sediment: Received in airtight container?				X	
Received in methanol?				X	
Methanol covering soil?				X	
8. Trip Blank present in cooler?				X	
9. Proper sample containers and volume?	X				
10. Samples within hold time upon receipt?	X				
11. Aqueous samples properly preserved? Metals, COD, NH3, TKN, O/G, phenol, TPO4, N+N, TOC, DRO, TPH – pH <2	X				
Sulfide - >9				X	
Cyanide – pH >12				X	
12. Corrective Action Report Filed?				✓	

* Log-In Notes to Exceptions: document any problems with samples or discrepancies or pH adjustments

0000007

COVER PAGE - INORGANIC ANALYSES DATA PACKAGE

Lab Name: Katahdin Analytical Services

SDG Name: SA1151 **SOW No.** SW846

Client Field ID	Lab Sample ID
MPT-28-RB01-031407	SA1151-001
MPT-28-RB02-031507	SA1151-014
MPT-28-SB05-04-03150	SA1151-010
MPT-28-SB22-04-03140	SA1151-002
MPT-28-SB36-04-03150	SA1151-008
MPT-28-SB37-03-03150	SA1151-009
MPT-28-SB38-04-03150	SA1151-011
MPT-28-SB39-04-03150	SA1151-012
MPT-28-SB40-04-03150	SA1151-013
MPT-28-SB40-04-03150	SA1151-013P
MPT-28-SB40-04-03150	SA1151-013S
MPT-28-SB41-04-03140	SA1151-003
MPT-28-SB42-04-03140	SA1151-004
MPT-28-SB43-03-03140	SA1151-005
MPT-28-SB44-03-03140	SA1151-006
MPT-28-SB45-02-03140	SA1151-007

Were ICP interelement corrections applied ?	Yes
Were ICP background corrections applied ?	Yes
If yes - were raw data generated before application of background corrections ?	No

Comments:

I certify that this data package is in compliance with the terms and conditions of the contract, both technically and for completeness, for other than the conditions detailed above. Release of the data contained in this hardcopy data package and in the computer-readable data submitted on floppy diskette has been authorized by the Laboratory Manager or the Manager's designee, as verified by the following signature.

Signature: George Brewer Name: George Brewer

Date: 03/29/07 Title: Inorganic Dept. Mgr.

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICV

File: IXC22A Mar 22, 2007 17:47

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9658.00	96.6
ARSENIC	400.0	385.80	96.5
CALCIUM	10000.0	9881.00	98.8
IRON	10000.0	9944.00	99.4
MAGNESIUM	10000.0	9962.00	99.6

SAMPLE: CCV

File: IXC22A Mar 22, 2007 18:09

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12280.00	98.2
ARSENIC	500.0	497.20	99.4
CALCIUM	12500.0	12400.00	99.2
IRON	12500.0	12520.00	100.2
MAGNESIUM	12500.0	12680.00	101.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCV

File: IXC22A Mar 22, 2007 19:01

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12180.00	97.4
ARSENIC	500.0	494.20	98.8
CALCIUM	12500.0	12240.00	97.9
IRON	12500.0	12410.00	99.3
MAGNESIUM	12500.0	12590.00	100.7

SAMPLE: CCV

File: IXC22A Mar 22, 2007 19:53

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12710.00	101.7
ARSENIC	500.0	496.90	99.4
CALCIUM	12500.0	12510.00	100.1
IRON	12500.0	12280.00	98.2
MAGNESIUM	12500.0	12380.00	99.0

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCV

File: IXC22A Mar 22, 2007 20:45

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12800.00	102.4
ARSENIC	500.0	501.70	100.3
CALCIUM	12500.0	12550.00	100.4
IRON	12500.0	12260.00	98.1
MAGNESIUM	12500.0	12380.00	99.0

SAMPLE: CCV

File: IXC22A Mar 22, 2007 21:36

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	13490.00	107.9
ARSENIC	500.0	497.50	99.5
CALCIUM	12500.0	12460.00	99.7
IRON	12500.0	12210.00	97.7
MAGNESIUM	12500.0	12350.00	98.8

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCV

File: IXC22A Mar 22, 2007 22:02

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12820.00	102.6
ARSENIC	500.0	498.40	99.7
CALCIUM	12500.0	12490.00	99.9
IRON	12500.0	12180.00	97.4
MAGNESIUM	12500.0	12350.00	98.8

SAMPLE: CCV

File: IXC22A Mar 22, 2007 22:24

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12720.00	101.8
ARSENIC	500.0	499.10	99.8
CALCIUM	12500.0	12430.00	99.4
IRON	12500.0	12210.00	97.7
MAGNESIUM	12500.0	12300.00	98.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICV

File: IXC23A Mar 23, 2007 15:50

Analyte	True	Found	%R (1)
ALUMINUM	10000.0	9860.00	98.6
ARSENIC	400.0	390.00	97.5
CALCIUM	10000.0	9829.00	98.3
IRON	10000.0	10010.00	100.1
MAGNESIUM	10000.0	9833.00	98.3

SAMPLE: CCV

File: IXC23A Mar 23, 2007 16:12

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12560.00	100.5
ARSENIC	500.0	494.80	99.0
CALCIUM	12500.0	12360.00	98.9
IRON	12500.0	12560.00	100.5
MAGNESIUM	12500.0	12450.00	99.6

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCV

File: IXC23A Mar 23, 2007 17:03

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12610.00	100.9
ARSENIC	500.0	491.70	98.3
CALCIUM	12500.0	12380.00	99.0
IRON	12500.0	12570.00	100.6
MAGNESIUM	12500.0	12460.00	99.7

SAMPLE: CCV

File: IXC23A Mar 23, 2007 17:54

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12420.00	99.4
ARSENIC	500.0	486.60	97.3
CALCIUM	12500.0	12230.00	97.8
IRON	12500.0	12350.00	98.8
MAGNESIUM	12500.0	12240.00	97.9

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCV

File: IXC23A Mar 23, 2007 18:45

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12600.00	100.8
ARSENIC	500.0	490.50	98.1
CALCIUM	12500.0	13000.00	104.0
IRON	12500.0	12520.00	100.2
MAGNESIUM	12500.0	13200.00	105.6

SAMPLE: CCV

File: IXC23A Mar 23, 2007 19:37

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12650.00	101.2
ARSENIC	500.0	490.00	98.0
CALCIUM	12500.0	13240.00	105.9
IRON	12500.0	12480.00	99.8
MAGNESIUM	12500.0	13420.00	107.4

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCV

File: IXC23A Mar 23, 2007 20:29

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12660.00	101.3
ARSENIC	500.0	488.30	97.7
CALCIUM	12500.0	13070.00	104.6
IRON	12500.0	12390.00	99.1
MAGNESIUM	12500.0	13350.00	106.8

SAMPLE: CCV

File: IXC23A Mar 23, 2007 21:20

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12590.00	100.7
ARSENIC	500.0	485.80	97.2
CALCIUM	12500.0	13060.00	104.5
IRON	12500.0	12380.00	99.0
MAGNESIUM	12500.0	13340.00	106.7

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCV

File: IXC23A Mar 23, 2007 22:12

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12680.00	101.4
ARSENIC	500.0	487.00	97.4
CALCIUM	12500.0	13070.00	104.6
IRON	12500.0	12340.00	98.7
MAGNESIUM	12500.0	13330.00	106.6

SAMPLE: CCV

File: IXC23A Mar 23, 2007 23:04

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12660.00	101.3
ARSENIC	500.0	490.30	98.1
CALCIUM	12500.0	13510.00	108.1
IRON	12500.0	12450.00	99.6
MAGNESIUM	12500.0	13880.00	111.0 •

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCV

File: IXC23A Mar 23, 2007 23:55

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12680.00	101.4
ARSENIC	500.0	489.00	97.8
CALCIUM	12500.0	13230.00	105.8
IRON	12500.0	12370.00	99.0
MAGNESIUM	12500.0	13570.00	108.6

SAMPLE: CCV

File: IXC23A Mar 24, 2007 0:47

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12760.00	102.1
ARSENIC	500.0	494.60	98.9
CALCIUM	12500.0	13820.00	110.6 •
IRON	12500.0	12460.00	99.7
MAGNESIUM	12500.0	14210.00	113.7 •

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2A

INITIAL AND CONTINUING CALIBRATION VERIFICATION

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCV

File: IXC23A Mar 24, 2007 1:30

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12740.00	101.9
ARSENIC	500.0	492.30	98.5
CALCIUM	12500.0	14030.00	112.2 •
IRON	12500.0	12430.00	99.4
MAGNESIUM	12500.0	14020.00	112.2 •

SAMPLE: CCV

File: IXC23A Mar 24, 2007 1:52

Analyte	True	Found	%R (1)
ALUMINUM	12500.0	12740.00	101.9
ARSENIC	500.0	491.40	98.3
CALCIUM	12500.0	13950.00	111.6 •
IRON	12500.0	12470.00	99.8
MAGNESIUM	12500.0	13830.00	110.6 •

(1) Control Limits: Mercury 80-120; Other Metals 90-110

FORM II (Part 1) - IN

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

SAMPLE: PQL

File: IXC22A Mar 22, 2007 17:56 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	314.90	105.0
ARSENIC	8.0	9.12	114.0
CALCIUM	50.0	47.19	94.4
IRON	100.0	104.30	104.3
MAGNESIUM	50.0	48.88	97.8

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

SAMPLE: PQL

File: IXC22A Mar 22, 2007 22:11 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	322.90	107.6
ARSENIC	8.0	8.63	107.9
CALCIUM	50.0	56.24	112.5
IRON	100.0	103.20	103.2
MAGNESIUM	50.0	47.04	94.1

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

SAMPLE: PQL

File: IXC23A Mar 23, 2007 15:58 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	304.20	101.4
ARSENIC	8.0	7.68	96.0
CALCIUM	50.0	43.96	87.9
IRON	100.0	99.23	99.2
MAGNESIUM	50.0	49.71	99.4

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

SAMPLE: PQL

File: IXC23A Mar 23, 2007 19:24 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	311.80	103.9
ARSENIC	8.0	7.58	94.8
CALCIUM	50.0	81.82	163.6 •
IRON	100.0	111.30	111.3
MAGNESIUM	50.0	54.74	109.5

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

SAMPLE: PQL

File: IXC23A Mar 23, 2007 22:50 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	305.40	101.8
ARSENIC	8.0	8.03	100.4
CALCIUM	50.0	50.28	100.6
IRON	100.0	94.17	94.2
MAGNESIUM	50.0	52.53	105.1

2C

PQL STANDARD FOR AA AND ICP

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

SAMPLE: PQL

File: IXC23A Mar 24, 2007 01:39 Concentration Units: ug/L

Analyte	TRUE	FOUND	% R
ALUMINUM	300.0	306.60	102.2
ARSENIC	8.0	7.73	96.6
CALCIUM	50.0	74.55	149.1
IRON	100.0	95.30	95.3
MAGNESIUM	50.0	54.62	109.2

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICB

File: IXC22A Mar 22, 2007 17:51

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

SAMPLE: CCB

File: IXC22A Mar 22, 2007 18:13

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

SAMPLE: CCB

File: IXC22A Mar 22, 2007 19:05

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCB

File: IXC22A Mar 22, 2007 19:57

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

SAMPLE: CCB

File: IXC22A Mar 22, 2007 20:49

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

SAMPLE: CCB

File: IXC22A Mar 22, 2007 21:40

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCB

File: IXC22A Mar 22, 2007 22:06

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

SAMPLE: CCB

File: IXC22A Mar 22, 2007 22:28

Analyte	Result	C
ALUMINUM	24.76	I
ARSENIC	1.53	U
CALCIUM	15.42	I
IRON	8.27	I
MAGNESIUM	6.91	I

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICB

File: IXC23A Mar 23, 2007 15:54

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

SAMPLE: CCB

File: IXC23A Mar 23, 2007 16:16

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	5.32	I

SAMPLE: CCB

File: IXC23A Mar 23, 2007 17:07

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCB

File: IXC23A Mar 23, 2007 17:58

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.00	U

SAMPLE: CCB

File: IXC23A Mar 23, 2007 18:50

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	4.60	I

SAMPLE: CCB

File: IXC23A Mar 23, 2007 19:41

Analyte	Result	C
ALUMINUM	35.73	I
ARSENIC	1.53	U
CALCIUM	46.56	I
IRON	14.39	I
MAGNESIUM	44.14	I

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCB

File: IXC23A Mar 23, 2007 20:33

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	14.60	I
IRON	6.75	U
MAGNESIUM	15.96	I

SAMPLE: CCB

File: IXC23A Mar 23, 2007 21:24

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	14.13	I
IRON	6.75	U
MAGNESIUM	15.79	I

SAMPLE: CCB

File: IXC23A Mar 23, 2007 22:16

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	10.37	I
IRON	6.75	U
MAGNESIUM	15.88	I

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCB

File: IXC23A Mar 23, 2007 23:08

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	9.56	I

SAMPLE: CCB

File: IXC23A Mar 23, 2007 23:59

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	8.84	U
IRON	6.75	U
MAGNESIUM	6.89	I

SAMPLE: CCB

File: IXC23A Mar 24, 2007 0:51

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	26.16	I
IRON	6.75	U
MAGNESIUM	7.70	I

3A

INITIAL AND CONTINUING CALIBRATION BLANKS

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: CCB

File: IXC23A Mar 24, 2007 1:35

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	161.30	
IRON	6.75	U
MAGNESIUM	11.83	I

SAMPLE: CCB

File: IXC23A Mar 24, 2007 1:56

Analyte	Result	C
ALUMINUM	24.65	U
ARSENIC	1.53	U
CALCIUM	156.90	
IRON	9.64	I
MAGNESIUM	28.59	I

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBSXC23ICS0

Matrix: SOIL **SDG Name:** SA1151

QC Batch ID: XC23ICS0

Concentration Units : mg/Kg

Analyte	RESULT	C
ARSENIC	0.150	U

3P

PREPARATION BLANKS

Lab Name: Katahdin Analytical Services **Sample ID:** PBWXC22ICW0

Matrix: WATER **SDG Name:** SA1151

QC Batch ID: XC22ICW0

Concentration Units : ug/L

Analyte	RESULT	C
ARSENIC	1.530	U

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICSA

File: IXC22A Mar 22, 2007 18:00

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	499400	99.9
ARSENIC	0	4	
CALCIUM	500000	481000	96.2
IRON	200000	187900	94.0
MAGNESIUM	500000	556500	111.3

SAMPLE: ICSAB

File: IXC22A Mar 22, 2007 18:05

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	495000	99.0
ARSENIC	100	108	108.0
CALCIUM	500000	476100	95.2
IRON	200000	186600	93.3
MAGNESIUM	500000	549100	109.8

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICSA

File: IXC22A Mar 22, 2007 22:15

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	517100	103.4
ARSENIC	0	3	
CALCIUM	500000	489000	97.8
IRON	200000	184500	92.3
MAGNESIUM	500000	537200	107.4

SAMPLE: ICSAB

File: IXC22A Mar 22, 2007 22:20

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	520200	104.0
ARSENIC	100	109	109.0
CALCIUM	500000	485200	97.0
IRON	200000	183900	92.0
MAGNESIUM	500000	531100	106.2

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICSA

File: IXC23A Mar 23, 2007 16:03

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	509900	102.0
ARSENIC	0	-1	
CALCIUM	500000	479000	95.8
IRON	200000	188800	94.4
MAGNESIUM	500000	542900	108.6

SAMPLE: ICSAB

File: IXC23A Mar 23, 2007 16:07

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	506300	101.3
ARSENIC	100	106	106.0
CALCIUM	500000	478800	95.8
IRON	200000	192000	96.0
MAGNESIUM	500000	537600	107.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICSA

File: IXC23A Mar 23, 2007 19:28

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	507900	101.6
ARSENIC	0	-1	
CALCIUM	500000	501300	100.3
IRON	200000	186800	93.4
MAGNESIUM	500000	583000	116.6

SAMPLE: ICSAB

File: IXC23A Mar 23, 2007 19:33

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	504200	100.8
ARSENIC	100	104	104.0
CALCIUM	500000	504900	101.0
IRON	200000	189300	94.7
MAGNESIUM	500000	577500	115.5

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICSA

File: IXC23A Mar 23, 2007 22:55

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	510000	102.0
ARSENIC	0	-1	
CALCIUM	500000	517000	103.4
IRON	200000	188200	94.1
MAGNESIUM	500000	606300	121.3 •

SAMPLE: ICSAB

File: IXC23A Mar 23, 2007 22:59

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	505300	101.1
ARSENIC	100	102	102.0
CALCIUM	500000	510000	102.0
IRON	200000	187400	93.7
MAGNESIUM	500000	591200	118.2

ICP INTERFERENCE CHECK SAMPLE

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Concentration Units: ug/L

SAMPLE: ICSA

File: IXC23A Mar 24, 2007 01:43

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	512600	102.5
ARSENIC	0	-3	
CALCIUM	500000	518000	103.6
IRON	200000	186900	93.5
MAGNESIUM	500000	608700	121.7 *

SAMPLE: ICSAB

File: IXC23A Mar 24, 2007 01:48

Analyte	TRUE	FOUND	% R
ALUMINUM	500000	510000	102.0
ARSENIC	100	102	102.0
CALCIUM	500000	509000	101.8
IRON	200000	186500	93.3
MAGNESIUM	500000	595800	119.2

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services | **Client Field ID:** MPT-28-SB40-04-03150S

Matrix: SOIL | **SDG Name:** SA1151

Percent Solids: 87.3 | **Lab Sample ID:** SA1151-013P

Concentration Units : mg/Kg

Analyte	Spiked Sample	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, TOTAL	34.3805		0.9782		32.91	101.5		75	125	P

Comments:

5A

SPIKE SAMPLE RECOVERY

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Percent Solids: 87.3

Client Field ID: MPT-28-SB40-04-03150S

SDG Name: SA1151

Lab Sample ID: SA1151-013S

Concentration Units : mg/Kg

Analyte	Spiked Sample	C	Sample Result	C	Spike Added	%R	Q	Control Limits (%R) Low	High	M
ARSENIC, TOTAL	36.0357		0.9782		33.1	105.9		75	125	P

Comments:

5D

SPIKE DUPLICATES

Lab Name: Katahdin Analytical Services **Client Field ID:** MPT-28-SB40-04-03150

Matrix: SOIL **SDG Name:** SA1151

Percent Solids: 87.3 **Lab Sample ID:** SA1151-013

Concentration Units : mg/Kg

Analyte	Control Limits	Spike Result	C	Spike Dup. Result	C	RPD	Q	M
ARSENIC, TOTAL		36.0357		34.3805		4.7		P

Comments:

FORM VD - IN

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSSXC23ICS0

Matrix: SOIL **SDG Name:** SA1151

QC Batch ID: XC23ICS0

Concentration Units : mg/Kg

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	289.0	256.11	88.6	81	119

LABORATORY CONTROL SAMPLES

Lab Name: Katahdin Analytical Services **Sample ID:** LCSWXC22ICW0

Matrix: WATER **SDG Name:** SA1151

QC Batch ID: XC22ICW0

Concentration Units : ug/L

Analyte	TRUE	FOUND	% R	LIMITS (%)	
ARSENIC	500.0	492.20	98.4	80	120

ICP SERIAL DILUTION

Lab Name: Katahdin Analytical Services

Matrix: SOIL

Client Field ID: MPT-28-SB40-04-03150L

SDG Name: SA1151

Lab Sample ID: SA1151-013L

Concentration Units: ug/L

Analyte	Sample Result	C	Dilution Result	C	% Difference	Q	M
ARSENIC, TOTAL	14.86		16.46		10.8		P

INSTRUMENT DETECTION LIMITS

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name THERMO ICAP 6500 **Date:** 3/1/2007

Concentration Units: ug/L

Analyte	CRDL	IDL	M
ARSENIC	8.0	1.53	P

ICP INTERELEMENT CORRECTION FACTORS

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Instrument Name THERMO ICAP 6500 **Date:** 1/8/2007

Instrument ID: I

Analyte	Wavelength (nm)	Interelement Correction Factors for: Al	Ca	Fe	Mg	Co	Cr	Cu	Mo	Ni	Ti	V
ALUMINUM	396.15	0.0	0.0009290	0.0	0.0	0.0	0.0	0.0	0.0375190	0.0	0.0	0.0
ANTIMONY	206.88	0.0000070	0.0	0.0000340	0.0	0.0	0.0101730	0.0	-0.0022710	-0.0003940	0.0	-0.0018480
ARSENIC	189.04	0.0000160	0.0	-0.0002180	0.0	0.0	0.0001990	0.0	0.0008250	0.0	0.0	0.0
BARIUM	455.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0
BERYLLIUM	313.04	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0004900	0.0000120
BORON	208.96	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0493030	0.0	0.0	0.0
CADMIUM	226.50	0.0	0.0	0.0000720	0.0	-0.0000220	0.0	0.0	0.0	-0.0000800	-0.0000120	0.0
CALCIUM	315.89	0.0	0.0	0.0	0.0	0.0087900	-0.0004940	0.0	0.0	0.0	0.0	0.0
CHROMIUM	267.72	0.0	0.0	-0.0000060	0.0	0.0	0.0	0.0	-0.0000210	0.0	0.0	0.0000720
COBALT	228.62	0.0	0.0	0.0000110	0.0	0.0	-0.0000800	0.0	0.0000180	0.0000830	0.0017050	0.0
COPPER	327.40	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0006350	0.0003450
IRON	259.94	0.0	0.0	0.0	0.0	0.0	0.0	0.0	-0.0005620	0.0	0.0	0.0
LEAD	220.35	-0.0000890	0.0	0.0000290	0.0	0.0002310	0.0	-0.0000170	-0.0012000	0.0005270	-0.0001670	0.0
MAGNESIUM	285.21	0.0	0.0	0.0000060	0.0	0.0	0.0068040	0.0	0.0	0.0	0.0	0.0
MANGANESE	257.61	0.0	0.0	0.0	0.0000260	0.0	0.0	0.0	0.0	0.0	0.0	0.0
MOLYBDENUM	202.03	0.0	0.0	0.0	0.0	0.0	0.0001080	0.0	0.0	0.0	0.0	-0.0001700
NICKEL	231.60	0.0	0.0	-0.0000270	0.0	0.0000620	0.0	0.0	0.0	0.0	0.0	0.0
SELENIUM	196.09	-0.0000040	0.0	-0.0001000	0.0	-0.0000720	0.0	0.0	0.0	0.0	0.0	-0.0001000
SILVER	328.07	0.0	0.0	-0.0001530	0.0	0.0	0.0	0.0	0.0	0.0	-0.0005820	0.0
THALLIUM	190.86	0.0000040	0.0	-0.0000010	0.0	0.0038470	0.0	0.0000150	-0.0000300	0.0	-0.0010940	0.0001780
TITANIUM	334.90	0.0	0.0	0.0	0.0	0.0	0.0001290	0.0	0.0017880	0.0	0.0	0.0
VANADIUM	292.40	0.0	0.0	0.0000160	0.0	0.0	-0.0028970	0.0	-0.0086990	0.0	0.0009670	0.0
ZINC	206.20	0.0	0.0	0.0	0.0	0.0	-0.0005230	0.0	0.0	0.0	0.0	0.0

FORM XI - IN

ICP LINEAR RANGES

Lab Name: Katahdin Analytical Services **Instrument Code:** I

Instrument Name THERMO ICAP 6500 **Date:** 1/8/2007

Concentration Units: ug/L

Analyte	Integration Time (sec)	Linear Range	M
ALUMINUM	5.00	1000000	P
ARSENIC	60.00	20000	P
CALCIUM	5.00	1000000	P
IRON	5.00	400000	P
MAGNESIUM	5.00	500000	P

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** XC22ICW0

Matrix: WATER **SDG Name:** SA1151

Method: P **Prep Date:** 03/22/2007

Client ID	Lab Sample ID	Initial (L)	Final (L)
LCSWXC22ICW0	LCSWXC22ICW0	0.05	0.05
PBWXC22ICW0	PBWXC22ICW0	0.05	0.05
MPT-28-RB01-031407	SA1151-001	0.05	0.05
MPT-28-RB02-031507	SA1151-014	0.05	0.05

PREPARATION LOG

Lab Name: Katahdin Analytical Services **QC Batch ID:** XC23ICS0

Matrix: SOIL **SDG Name:** SA1151

Method: P **Prep Date:** 03/23/2007

Client ID	Lab Sample ID	Initial (g)	Final (L)
LCSSXC23ICS0	LCSSXC23ICS0	0.5076	0.1
PBSXC23ICS0	PBSXC23ICS0	1	0.1
MPT-28-SB22-04-03140	SA1151-002	1.66	0.1
MPT-28-SB41-04-03140	SA1151-003	1.42	0.1
MPT-28-SB42-04-03140	SA1151-004	1.06	0.1
MPT-28-SB43-03-03140	SA1151-005	1.18	0.1
MPT-28-SB44-03-03140	SA1151-006	1.03	0.1
MPT-28-SB45-02-03140	SA1151-007	1.53	0.1
MPT-28-SB36-04-03150	SA1151-008	1.37	0.1
MPT-28-SB37-03-03150	SA1151-009	1.75	0.1
MPT-28-SB05-04-03150	SA1151-010	1.11	0.1
MPT-28-SB38-04-03150	SA1151-011	1.16	0.1
MPT-28-SB39-04-03150	SA1151-012	1.8	0.1
MPT-28-SB40-04-03150	SA1151-013	1.74	0.1
MPT-28-SB40-04-03150P	SA1151-013P	1.74	0.1
MPT-28-SB40-04-03150S	SA1151-013S	1.73	0.1

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Instrument ID: THERMO ICAP 6500 **File Name:** IXC22A

Date: 3/22/2007 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
Blank		1	17:39	AL	AS	CA	FE	MG
Std 1		1	17:43	AL	AS	CA	FE	MG
ICV		1	17:47	AL	AS	CA	FE	MG
ICB		1	17:51	AL	AS	CA	FE	MG
PQL		1	17:56	AL	AS	CA	FE	MG
ICSA		1	18:00	AL	AS	CA	FE	MG
ICSAB		1	18:05	AL	AS	CA	FE	MG
CCV		1	18:09	AL	AS	CA	FE	MG
CCB		1	18:13	AL	AS	CA	FE	MG
ZZZZZZ		1	18:18					
ZZZZZZ		1	18:22					
ZZZZZZ		1	18:26					
ZZZZZZ		5	18:31					
ZZZZZZ		1	18:35					
ZZZZZZ		1	18:39					
ZZZZZZ		1	18:43					
ZZZZZZ		1	18:48					
ZZZZZZ		5	18:52					
ZZZZZZ		1	18:56					
CCV		1	19:01	AL	AS	CA	FE	MG
CCB		1	19:05	AL	AS	CA	FE	MG
ZZZZZZ		1	19:09					
ZZZZZZ		1	19:14					
ZZZZZZ		1	19:18					
ZZZZZZ		1	19:22					
ZZZZZZ		1	19:27					
ZZZZZZ		1	19:31					
PBWXC22ICW0		1	19:35		AS			
LCSWXC22ICW0		1	19:40		AS			
ZZZZZZ		1	19:44					
ZZZZZZ		5	19:48					
CCV		1	19:53	AL	AS	CA	FE	MG
CCB		1	19:57	AL	AS	CA	FE	MG
ZZZZZZ		1	20:01					
ZZZZZZ		1	20:05					
ZZZZZZ		1	20:10					
ZZZZZZ		1	20:14					
ZZZZZZ		5	20:18					
ZZZZZZ		1	20:23					
SA1151-001	MPT-28-RB01-031407	1	20:27		AS			
SA1151-014	MPT-28-RB02-031507	1	20:31		AS			
ZZZZZZ		10	20:36					
ZZZZZZ		1	20:40					
CCV		1	20:45	AL	AS	CA	FE	MG
CCB		1	20:49	AL	AS	CA	FE	MG
ZZZZZZ		1	20:53					
ZZZZZZ		1	20:57					
ZZZZZZ		1	21:02					
ZZZZZZ		1	21:06					
ZZZZZZ		5	21:10					

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Instrument ID: THERMO ICAP 6500 **File Name:** IXC22A

Date: 3/22/2007 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
ZZZZZZ		1	21:15					
ZZZZZZ		1	21:19					
ZZZZZZ		1	21:23					
ZZZZZZ		1	21:28					
ZZZZZZ		1	21:32					
CCV		1	21:36	AL	AS	CA	FE	MG
CCB		1	21:40	AL	AS	CA	FE	MG
ZZZZZZ		1	21:45					
ZZZZZZ		1	21:49					
ZZZZZZ		1	21:53					
ZZZZZZ		10	21:58					
CCV		1	22:02	AL	AS	CA	FE	MG
CCB		1	22:06	AL	AS	CA	FE	MG
PQL		1	22:11	AL	AS	CA	FE	MG
ICSA		1	22:15	AL	AS	CA	FE	MG
ICSAB		1	22:20	AL	AS	CA	FE	MG
CCV		1	22:24	AL	AS	CA	FE	MG
CCB		1	22:28	AL	AS	CA	FE	MG

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Instrument ID: THERMO ICAP 6500 **File Name:** IXC23A

Date: 3/23/2007 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
Blank		1	15:41	AL	AS	CA	FE	MG
Std 1		1	15:46	AL	AS	CA	FE	MG
ICV		1	15:50	AL	AS	CA	FE	MG
ICB		1	15:54	AL	AS	CA	FE	MG
PQL		1	15:58	AL	AS	CA	FE	MG
ICSA		1	16:03	AL	AS	CA	FE	MG
ICSAB		1	16:07	AL	AS	CA	FE	MG
CCV		1	16:12	AL	AS	CA	FE	MG
CCB		1	16:16	AL	AS	CA	FE	MG
ZZZZZZ		1	16:20					
ZZZZZZ		1	16:25					
ZZZZZZ		1	16:29					
ZZZZZZ		1	16:33					
ZZZZZZ		1	16:37					
ZZZZZZ		5	16:41					
ZZZZZZ		1	16:46					
ZZZZZZ		1	16:50					
ZZZZZZ		1	16:54					
ZZZZZZ		1	16:59					
CCV		1	17:03	AL	AS	CA	FE	MG
CCB		1	17:07	AL	AS	CA	FE	MG
ZZZZZZ		1	17:12					
ZZZZZZ		1	17:16					
ZZZZZZ		1	17:20					
ZZZZZZ		5	17:24					
ZZZZZZ		1	17:29					
ZZZZZZ		1	17:33					
ZZZZZZ		1	17:37					
ZZZZZZ		1	17:41					
ZZZZZZ		1	17:46					
ZZZZZZ		1	17:50					
CCV		1	17:54	AL	AS	CA	FE	MG
CCB		1	17:58	AL	AS	CA	FE	MG
ZZZZZZ		1	18:03					
ZZZZZZ		1	18:07					
ZZZZZZ		1	18:11					
ZZZZZZ		1	18:16					
ZZZZZZ		1	18:20					
ZZZZZZ		1	18:24					
ZZZZZZ		1	18:28					
ZZZZZZ		1	18:33					
ZZZZZZ		1	18:37					
ZZZZZZ		1	18:41					
CCV		1	18:45	AL	AS	CA	FE	MG
CCB		1	18:50	AL	AS	CA	FE	MG
ZZZZZZ		1	18:54					
ZZZZZZ		1	18:58					
ZZZZZZ		1	19:02					
ZZZZZZ		1	19:07					
ZZZZZZ		1	19:11					

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Instrument ID: THERMO ICAP 6500 **File Name:** IXC23A

Date: 3/23/2007 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
ZZZZZZ		1	19:15					
ZZZZZZ		1	19:20					
PQL		1	19:24	AL	AS	CA	FE	MG
ICSA		1	19:28	AL	AS	CA	FE	MG
ICSAB		1	19:33	AL	AS	CA	FE	MG
CCV		1	19:37	AL	AS	CA	FE	MG
CCB		1	19:41	AL	AS	CA	FE	MG
ZZZZZZ		1	19:46					
ZZZZZZ		1	19:50					
ZZZZZZ		5	19:54					
ZZZZZZ		1	19:59					
ZZZZZZ		1	20:03					
ZZZZZZ		10	20:07					
ZZZZZZ		1	20:12					
ZZZZZZ		1	20:16					
ZZZZZZ		1	20:20					
ZZZZZZ		1	20:25					
CCV		1	20:29	AL	AS	CA	FE	MG
CCB		1	20:33	AL	AS	CA	FE	MG
ZZZZZZ		1	20:37					
ZZZZZZ		1	20:42					
ZZZZZZ		5	20:46					
ZZZZZZ		1	20:50					
ZZZZZZ		1	20:54					
ZZZZZZ		1	20:59					
ZZZZZZ		1	21:03					
ZZZZZZ		1	21:07					
ZZZZZZ		1	21:12					
ZZZZZZ		1	21:16					
CCV		1	21:20	AL	AS	CA	FE	MG
CCB		1	21:24	AL	AS	CA	FE	MG
ZZZZZZ		1	21:29					
ZZZZZZ		1	21:33					
ZZZZZZ		1	21:37					
ZZZZZZ		1	21:42					
ZZZZZZ		1	21:46					
ZZZZZZ		5	21:50					
ZZZZZZ		1	21:55					
ZZZZZZ		1	21:59					
ZZZZZZ		1	22:03					
ZZZZZZ		1	22:08					
CCV		1	22:12	AL	AS	CA	FE	MG
CCB		1	22:16	AL	AS	CA	FE	MG
ZZZZZZ		1	22:20					
ZZZZZZ		1	22:25					
ZZZZZZ		1	22:29					
ZZZZZZ		1	22:33					
ZZZZZZ		5	22:38					
ZZZZZZ		1	22:42					
ZZZZZZ		1	22:46					
PQL		1	22:50	AL	AS	CA	FE	MG

FORM XIV - IN

ANALYSIS RUN LOG

Lab Name: Katahdin Analytical Services **SDG Name:** SA1151

Instrument ID: THERMO ICAP 6500 **File Name:** IXC23A

Date: 3/23/2007 **Method:** P

Lab Sample ID	Client ID	D.F.	Time	Elements				
ICSA		1	22:55	AL	AS	CA	FE	MG
ICSAB		1	22:59	AL	AS	CA	FE	MG
CCV		1	23:04	AL	AS	CA	FE	MG
CCB		1	23:08	AL	AS	CA	FE	MG
ZZZZZZ		1	23:12					
ZZZZZZ		1	23:16					
ZZZZZZ		1	23:21					
ZZZZZZ		1	23:25					
ZZZZZZ		1	23:29					
ZZZZZZ		1	23:34					
ZZZZZZ		1	23:38					
ZZZZZZ		1	23:42					
PBSXC23ICS0		1	23:47		AS			
LCSSXC23ICS0		1	23:51		AS			
CCV		1	23:55	AL	AS	CA	FE	MG
CCB		1	23:59	AL	AS	CA	FE	MG
ZZZZZZ		1	0:04					
SA1151-002	MPT-28-SB22-04-03140	1	0:08		AS			
SA1151-003	MPT-28-SB41-04-03140	1	0:12		AS			
SA1151-004	MPT-28-SB42-04-03140	1	0:17		AS			
SA1151-005	MPT-28-SB43-03-03140	1	0:21		AS			
SA1151-006	MPT-28-SB44-03-03140	1	0:25		AS			
SA1151-007	MPT-28-SB45-02-03140	1	0:30		AS			
SA1151-008	MPT-28-SB36-04-03150	1	0:34		AS			
SA1151-009	MPT-28-SB37-03-03150	1	0:38		AS			
SA1151-010	MPT-28-SB05-04-03150	1	0:43		AS			
CCV		1	0:47	AL	AS	CA	FE	MG
CCB		1	0:51	AL	AS	CA	FE	MG
SA1151-011	MPT-28-SB38-04-03150	1	0:55		AS			
SA1151-012	MPT-28-SB39-04-03150	1	1:00		AS			
SA1151-013	MPT-28-SB40-04-03150	1	1:04		AS			
SA1151-013L	MPT-28-SB40-04-03150L	5	1:08		AS			
SA1151-013S	MPT-28-SB40-04-03150S	1	1:13		AS			
SA1151-013P	MPT-28-SB40-04-03150P	1	1:17		AS			
ZZZZZZ		1	1:22					
ZZZZZZ		1	1:26					
CCV		1	1:30	AL	AS	CA	FE	MG
CCB		1	1:35	AL	AS	CA	FE	MG
PQL		1	1:39	AL	AS	CA	FE	MG
ICSA		1	1:43	AL	AS	CA	FE	MG
ICSAB		1	1:48	AL	AS	CA	FE	MG
CCV		1	1:52	AL	AS	CA	FE	MG
CCB		1	1:56	AL	AS	CA	FE	MG

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Blank Sample Summary Report

Total Solids

Samp Type	QC Batch	Anal. Method	Anal. Date	Prep. Date	Result	PQL
MBLANK	WG37140	CLP SOW 788	20-MAR-07	19-MAR-07	U 1 %	1 %

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Laboratory Control Sample Summary Report

Total Solids

Lab Sample Id	Samp Type	QC Batch	Analysis Date	Prep Date	Units	Spike Amt.	Result	Recovery	Acceptance Range	RPD
WG37140-2	LCS	WG37140	20-MAR-07	19-MAR-07	%	90	90.	100	80-120	

600 Technology Way
P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029

http://katahdinlab.com
sales@katahdinlab.com

Katahdin
ANALYTICAL SERVICES

Cert No E87604

Quality Control Report

Duplicate Sample Summary Report

Total Solids

Duplicate Sample ID	Original Sample ID	QC Batch	Analysis Date	Result Units	Sample Result	Duplicate Result	RPD(%)	RPD Limit
WG37140-4	SA1151-2	WG37140	20-MAR-07	%	74.	75.	0	20

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P.O. Box 540, Scarborough, ME 04070
Tel:(207) 874-2400 Fax:(207) 775-4029
http://katahdinlab.com
sales@katahdinlab.com

SRV: SA1151-010 = MPT-28-5805-04-031507
[As] = 1.1 mg/Kg as reported by the laboratory.

SA1151-010

Acquire Date: 24-Mar-2007 12:43 am Sample Type: Unknown

Elem	Avg	Units	Stddev	%RSD
Ag3280	.2364	ug/L	0.0688	29.0961
Al3961	4960.	ug/L	12.9549	0.2612
As1891	10.62	ug/L	0.1057	0.9960
B_2089	5.785	ug/L	0.3537	6.1139
Ba4554	26.68	ug/L	0.0690	0.2587
Be3130	.6601	ug/L	0.0533	8.0770
Ca3158	190900.	ug/L	548.1238	0.2871
Cd2265	.5328	ug/L	0.0237	4.4546
Co2286	1.709	ug/L	0.0768	4.4909
Cr2677	26.24	ug/L	0.4791	1.8260
Cu3273	10.61	ug/L	0.0913	0.8608
Fe2599	7716.	ug/L	13.0306	0.1689
K_7664	469.0	ug/L	46.1480	9.8390
Mg2852	2777.	ug/L	2.6525	0.0955
Mn2576	149.5	ug/L	0.6685	0.4472
Mo2020	.9109	ug/L	0.0650	7.1407
Na5895	1914.	ug/L	16.4055	0.8570
Ni2316	5.485	ug/L	0.0695	1.2663
Pb2203	8.168	ug/L	0.1968	2.4091
Sb2068	.3026	ug/L	0.2006	66.3000
Se1960	.1814	ug/L	1.9105	1,053.1457
Si2516	1608.	ug/L	7.9816	0.4963
Sn1899	13.79	ug/L	0.3887	2.8193
Sr4215	897.0	ug/L	1.9923	0.2221
Ti3349	300.6	ug/L	1.2859	0.4278
Tl1908	.0147	ug/L	0.5964	4,057.9956
V_2924	17.84	ug/L	0.0271	0.1520
Zn2062	25.28	ug/L	0.0630	0.2494
Y_2243	46495.	Cts/S	0.2442	0.0005
Y_3600	61173.	Cts/S	434.7340	0.7107
Y_3600	851110.	Cts/S	1,732.3318	0.2035

$$\frac{10.62\,\cancel{\mu g}}{\cancel{L}} \cdot \frac{0.1\,\cancel{L}}{1.1\,\cancel{g}} \cdot \frac{\cancel{1000\,g}}{1\,Kg} \cdot \frac{1\,mg}{\cancel{1000\,\mu g}} = \frac{0.957\,mg}{Kg} \Big/ 0.87 = \boxed{1.1\ mg/Kg}$$

SRV: SA1151-7 = MDT-28-5845-02-031407 % Solids = 90% as reported by the laboratory.

TOTAL SOLIDS BATCH REPORT
Mar 20 2007, 02:37 pm
Batch: WG37140

Sample	Matrix	Type	Batch	Prep Date	Tare	Initial	Final	by	Date	Raw TS	Rep TS	Recovery	RPD
SA1129-1	SL	SAMP	WG37140	19-MAR-07	.999 g	5.812 g	4.933 g	JF	20-MAR-07	81.7370	82. %		
SA1129-2	SL	SAMP	WG37140	19-MAR-07	.999 g	5.795 g	4.327 g	JF	20-MAR-07	69.3910	69. %		
SA1129-3	SL	SAMP	WG37140	19-MAR-07	1.002 g	6.052 g	4.409 g	JF	20-MAR-07	67.4650	67. %		
SA1129-5	SL	SAMP	WG37140	19-MAR-07	1.021 g	6.048 g	5.559 g	JF	20-MAR-07	90.2720	90. %		
SA1129-6	SL	SAMP	WG37140	19-MAR-07	1.025 g	5.816 g	5.272 g	JF	20-MAR-07	88.6450	89. %		
SA1129-7	SL	SAMP	WG37140	19-MAR-07	1.007 g	5.701 g	5.187 g	JF	20-MAR-07	89.0500	89. %		
SA1129-8	SL	SAMP	WG37140	19-MAR-07	1.017 g	6.208 g	5.525 g	JF	20-MAR-07	86.8430	87. %		
SA1151-10	SL	SAMP	WG37140	19-MAR-07	1.005 g	6.191 g	5.519 g	JF	20-MAR-07	87.0420	87. %		
SA1151-11	SL	SAMP	WG37140	19-MAR-07	1.001 g	5.71 g	5.118 g	JF	20-MAR-07	87.4280	87. %		
SA1151-12	SL	SAMP	WG37140	19-MAR-07	.999 g	6.549 g	5.206 g	JF	20-MAR-07	75.8020	76. %		
SA1151-13	SL	SAMP	WG37140	19-MAR-07	1.025 g	5.745 g	5.146 g	JF	20-MAR-07	87.3090	87. %		
SA1151-2	SL	SAMP	WG37140	19-MAR-07	1.022 g	6.137 g	4.824 g	JF	20-MAR-07	74.3300	74. %		
SA1151-3	SL	SAMP	WG37140	19-MAR-07	1.023 g	6.659 g	5.353 g	JF	20-MAR-07	76.8280	77. %		
SA1151-4	SL	SAMP	WG37140	19-MAR-07	1.026 g	5.924 g	5.002 g	JF	20-MAR-07	81.1760	81. %		
SA1151-5	SL	SAMP	WG37140	19-MAR-07	1.01 g	5.85 g	4.9 g	JF	20-MAR-07	80.3720	80. %		
~~SA1151-6~~	~~SL~~	~~SAMP~~	~~WG37140~~	~~19-MAR-07~~	~~.999 g~~	~~6.179 g~~	~~5.872 g~~	~~JF~~	~~20-MAR-07~~	~~94.0730~~	~~94. %~~		
SA1151-7	SL	SAMP	WG37140	19-MAR-07	1.028 g	6.616 g	6.056 g	JF	20-MAR-07	89.9780	90. %		
SA1151-8	SL	SAMP	WG37140	19-MAR-07	1.023 g	5.825 g	5.413 g	JF	20-MAR-07	91.4200	91. %		
SA1151-9	SL	SAMP	WG37140	19-MAR-07	1.014 g	5.733 g	5.161 g	JF	20-MAR-07	87.8790	88. %		
WG37140-1	SL	MBLANK	WG37140	19-MAR-07	.998 g	.998 g	.998 g	JF	20-MAR-07	0.0000	1 %		
WG37140-2	SL	LCS	WG37140	19-MAR-07	1.009 g	6.015 g	5.517 g	JF	20-MAR-07	90.0520	90. %	100	
WG37140-3	SL	DUP	WG37140	19-MAR-07	1.016 g	5.846 g	4.94 g	JF	20-MAR-07	81.2420	81. %		1
WG37140-4	SL	DUP	WG37140	19-MAR-07	1.009 g	6.184 g	4.876 g	JF	20-MAR-07	74.7250	75. %		0

Comments:

WG37140-1	SA1129-1
WG37140-2	SA1129-1
WG37140-3	SA1129-1
WG37140-4	SA1151-2

$\left(\frac{6.616-1.028}{6.056-1.028}\right) \times 100 = 89.98\%$

Entered by: _____ Date: 3-20-07 Accepted by: _____ Date: 03/20/07

Katahdin Analytical Services 5000020

APPENDIX F

GPS COORDINATES FOR SAMPLE LOCATIONS, SWMU 28

GPS Coordinates
SWMU 28

US State Plane 1983
Florida East
Feet

LOCATION ID	NORTHING	EASTING
MPT-28-SB01	2204680.578	521767.2541
MPT-28-SB07	2204708.461	522143.6225
MPT-28-SB10	2204813.012	522392.2104
MPT-28-SB31	2203883.697	522464.2441
MPT-28-SS02	2204592.294	521829.9834
MPT-28-SS03	2204636.437	521915.9436
MPT-28-SS04	2204710.782	521881.0936
MPT-28-SS06	2204717.753	521983.3172
MPT-28-SS08	2204678.26	522257.4629
MPT-28-SS09	2204785.131	522294.6337
MPT-28-SS11	2204731.697	522403.8279
MPT-28-SS12	2204778.164	522506.0508
MPT-28-SS13	2204861.804	522684.941
MPT-28-SS14	2204780.489	522698.8817
MPT-28-SS15	2204822.309	522773.2256
MPT-28-SS16	2204896.656	522882.418
MPT-28-SS17	2204817.664	522896.3587
MPT-28-SS18	2204861.808	523038.0772
MPT-28-SS19	2204517.95	521978.6733
MPT-28-SS20	2204480.778	522073.9277
MPT-28-SS21	2204399.462	522011.2007
MPT-28-SS23	2204311.179	522192.4164
MPT-28-SS24	2204236.833	522129.6893
MPT-28-SS25	2204190.369	522234.2368
MPT-28-SS26	2204153.197	522327.1679
MPT-28-SS27	2204088.144	522264.4406
MPT-28-SS28	2204030.063	522357.372
MPT-28-SS29	2203997.538	522438.6867
MPT-28-SS30	2203918.545	522378.2829
MPT-28-SS32	2203855.818	522575.7612
MPT-28-SS33	2203800.059	522485.1546
MPT-28-SS34	-9999	-9999
MPT-28-SS35	-9999	-9999

GPS Coordinates
SWMU 28

US State Plane 1981
Florida East
Feet

LOCATION ID	NORTHING	EASTING
MPT-28-SB05	2204645.475	522062.495
MPT-28-SB36	2204599.937	522060.93
MPT-28-SB37	2204662.485	522107.915
MPT-28-SB39	2204702.484	522059.012
MPT-28-SB40	2204766.412	522171.937
MPT-28-SB41	2204350.217	522159.107
MPT-28-SB42	2204364.751	522105.773
MPT-28-SB43	2204427.981	522119.183
MPT-28-SB44	2204417.151	522169.832
MPT-28-SB45	2204169.97	522172.149