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RCRA FACILITY ASSESSMENT SAMPLING VISIT REPORT GROUPS I AND II NS MAYPORT FL
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RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) FACILITY ASSESSMENT SAMPLING VISIT REPORT

GROUPS I AND II

U. S. NAVAL STATION MAYPORT, FLORIDA

UNIT IDENTIFICATION CODE: N60201
CONTRACT NO. N62467-89-D-0317/028

JULY 1995

SOUTHERN DIVISION
NAVAL FACILITIES ENGINEERING COMMAND
NORTH CHARLESTON, SOUTH CAROLINA
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RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) FACILITY ASSESSMENT SAMPLING VISIT REPORT

GROUPS I and II

GROUP I
SOLID WASTE MANAGEMENT UNITS 26, 49, 50, AND 56

GROUP II
SOLID WASTE MANAGEMENT UNITS 19, 28, AND 48

U.S. NAVAL STATION
MAYPORT, FLORIDA

Unit Identification Code No. N60201

Contract No. N62467-89-D-0317/028

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July 1995

This document Resource Conservation and Recovery Act Facility Assessment Sampling Visit, Group I and II SWMUs, U.S. Naval Station, Mayport Florida has been prepared under the direction of a Florida Registered Professional Geologist. The work and professional opinions rendered in this report were conducted or developed in accordance with commonly accepted procedures consistent with applicable standards of practice. If conditions are determined to exist that differ from those described, the undersigned geologist should be notified to evaluate the effects of any additional information on the assessment and recommendations in this document. This document was prepared for U.S. Naval Station, Mayport, Florida, and should not be construed to apply to any other site.

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Date: 28 July 95

CERTIFICATION OF TECHNICAL
DATA CONFORMITY (MAY 1987)

The Contractor, ABB Environmental Services, Inc., hereby certifies that, to the best of its knowledge and belief, the technical data delivered herewith under Contract No. N62467-89-D-0317/028 are complete and accurate and comply with all requirements of this contract.

DATE: July 25, 1995

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FOREWORD

To meet its mission objectives, the U.S. Navy performs a variety of operations, some requiring the use, handling, storage, or disposal of hazardous materials. Through accidental spills and leaks and conventional methods of past disposal, hazardous materials may have entered the environment in ways unacceptable by today's standards. With growing knowledge of the long-term effects of hazardous materials on the environment, the Department of Defense (DOD) initiated various programs to investigate and remediate conditions related to suspected past releases of hazardous materials at their facilities.

One of these programs is the Installation Restoration (IR) program. This program complies with the Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA), as amended by the Superfund Amendments and Reauthorization Act (SARA). The acts, passed by Congress in 1980 and 1986, respectively, established the means to assess and cleanup hazardous waste sites for both private-sector and Federal facilities. These acts are the basis for what is commonly known as the Superfund Program.

Originally, the Navy's part of this program was called the Navy Assessment and Control of Installation Pollutants (NACIP) program. Early reports reflect the NACIP process and terminology. The Navy eventually adapted the program structure and terminology of the standard IR program.

The IR program is conducted in several stages as follows.

- The Preliminary Assessment (PA) identifies potential sites through record searches and interviews.

- A Site Inspection (SI) then confirms which areas contain contamination, constituting actual "sites". (Together, the PA and SI steps were called the Initial Assessment Study (IAS) under the NACIP program.)

- Next, the Remedial Investigation and the Feasibility Study (RI/FS) together determine the type and extent of contamination, establish criteria for cleanup, and identify and evaluate any necessary remedial action alternatives and their costs. As part of the RI/FS, a Risk Assessment identifies potential effects on human health or the environment to help evaluate remedial action alternatives.

- The selected alternative is planned and conducted in the remedial design and remedial action stages. Monitoring then ensures the effectiveness of the effort.

A second program to address present hazardous material management is the Resource Conservation and Recovery Act (RCRA) Corrective Action Program. This 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.

- The RCRA Facility Assessment (RFA) identifies solid waste management units (SWMUs), evaluates the potential for releases of contaminants, and determines the need for future investigations.

- The RCRA Facility Investigation (RFI) then determines the nature, extent, and fate of contaminant releases.

- The Corrective Measures Study (CMS) identifies and recommends measures to correct the release.

The hazardous waste investigations at Naval Station Mayport are presently being conducted under the RCRA Corrective Action Program. Earlier preliminary investigations had been conducted at Naval Station Mayport under the Navy's NACIP program and IR program following Superfund guidelines. In 1988, in coordination with the U.S. Environmental Protection Agency (USEPA) and the Florida Department of Environmental Regulation (FDER; now know as the Florida Department of Environmental Protection [FDEP]), the hazardous waste investigations were formalized under the RCRA program.

Mayport is conducting the cleanup at their facility by working through the Southern Division, Naval Facilities Engineering Command (SOUTHNAVFACENGCOM). The USEPA and the FDEP oversee the Navy environmental program. All aspects of the program are conducted in compliance with State and Federal regulations, as ensured by the participation of these regulatory agencies.

Questions regarding the RCRA program at NAVSTA Mayport should be addressed to Mr. David Driggers, Code 1852, at (803) 743-0501.

EXECUTIVE SUMMARY

This Resource Conservation and Recovery Act (RCRA) Facility Assessment Sampling Visit (RFA SV) report (Confirmatory Sampling Report) addresses the following solid waste management units (SWMUs).

Group I SWMUs
- SWMU 26, Landfill C
- SWMU 49, Flight Line Retention Ponds
- SWMU 50, East and West Dredge Spoil Disposal Areas
- SWMU 56, Building 1552 Accumulation Area

Group II SWMUs
- SWMU 19, Naval Aviation Depot (NADEP) Blasting Area
- SWMU 28, Defense Reutilization and Marketing Office (DRMO) Yard
- SWMU 48, Former Chemistry Laboratory Accumulation Area

The confirmatory sampling events were conducted in accordance with the RCRA Corrective Action Program at Naval Station (NAVSTA) Mayport described in the Corrective Action Management Plan (ABB Environmental Services, Inc. [ABB-ES]; 1995a), under U.S. Environmental Protection Agency (USEPA) Permit Identification Number FL9 170 024 026.

The RFA/SV activities were conducted because a release of RCRA hazardous substances from these Group I and II SWMUs to the environment was suspected, but not confirmed. The purpose of this report is to describe the sampling activities, findings, conclusions, and recommendations of the RFA/SV activities at the Group I and II SWMUs.

The Group I RFA/SV investigations at NAVSTA Mayport did not find evidence of a significant release of target analytes selected from the Appendix IX (40 Code of Federal Regulations Part 264) Groundwater Monitoring List or USEPA Contract Laboratory Program from SWMU 19, Naval Aviation Depot (NADEP) Blasting Area; SWMU 26, Landfill C; SWMU 28, Defense Reutilization and Marketing Office (DRMO) Yard; SWMU 48, Former Chemistry Laboratory Accumulation Area; and SWMU 56, Building 1552 Accumulation Area. This conclusion is based on the concentration and frequency of detection of the various compounds and elements detected during the investigation, comparison to screening values developed from background samples (surface and subsurface soil, surface water, sediment, and groundwater), human health risk based values, and values developed from evaluation of adverse ecological effects of various chemicals on benthic organisms in sediment. These sites are recommended for no further investigation at this time.

Ecological diversity and aquatic and sediment toxicity testing should be conducted at SWMU 49, Flight Line Retention Pond, and SWMU 50, East and West Dredge Disposal Areas, to assess whether continued discharge from the industrial area is adversely affecting the ecology of the two SWMUs.

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GLOSSARY

AFFF	aqueous film-forming foam
AOC	Area of Concern
APHA	American Public Health Association
AWQC	ambient water quality criteria
bls	below land surface
CAMP	Corrective Action Management Plan
CERCLA	Comprehensive Environmental Response, Compensation, and Liability Act
CFR	Code of Federal Regulations
CMS	Corrective Measures Study
COD	chemical oxygen demand
DDD	dichlorodiphenyldichloroethane
DDE	dichlorodiphenyldichloroethene
DDT	dichlorodiphenyltrichloroethane
DOD	Department of Defense
DRMO	Defense Reutilization and Marketing Office
EP	Extraction Procedure
ER-L	effects range-low
ER-M	effects range-median
ESE	Environmental Science and Engineering, Inc.
FAC	Florida Administrative Code
FDEP	Florida Department of Environmental Protection
FDER	Florida Department of Environmental Regulation
ft/ft	feet per foot
GIR	General Information Report
HHCPC	human health chemicals of potential concern
HI	hazardous index
HSWA	Hazardous and Solid Waste Amendments of 1984
IAS	Initial Assessment Study
IR	Installation Restoration
MCL	maximum contaminant level
mg/kg	milligrams per kilogram
MPT	Mayport
msl	mean sea level
mg/ℓ	milligrams per liter
μg/kg	micrograms per kilogram
μg/ℓ	micrograms per liter
NACIP	Navy Assessment and Control of Installation Pollutants
NADEP	Naval Aviation Depot
NAVSTA	Naval Station
NCP	National Oil and Hazardous Substances Contingency Plan

NEESA	Naval Energy and Environmental Support Activity
NGVD	National Geodetic Vertical Datum
NIRP	Navy Installation Restoration Program
NOAA	National Oceanic and Atmospheric Administration
NOEL	no observed effects level
OVA	organic vapor analyzer
OWTP	oily waste treatment plant
PA	Preliminary Assessment
PAH	polynuclear aromatic hydrocarbons
PCB	polychlorinated biphenyl
PEL	probable effects level
QA	quality assurance
QC	quality control
RBC	risk based concentration
RCRA	Resource Conservation and Recovery Act of 1976, as amended
RFA	RCRA Facility Assessment
RFI	RCRA Facility Investigation
RI/FS	Remedial Investigation/Feasibility Study
SARA	Superfund Amendments and Reauthorization Act
SI	Site Inspection
SOUTHNAV-FACENGCOM	Southern Division, Naval Facilities Engineering Command
SMP	Site Management Plan
SSL	soil screening level
SV	Sampling Visit
SVOC	semivolatile organic compound
SWMU	Solid Waste Management Unit
TCLP	Toxicity Characteristic Leaching Procedure
USC	U.S. Code
USEPA	U.S. Environmental Protection Agency
VOC	volatile organic compound
VSI	Visual Site Inspection

1.0 INTRODUCTION

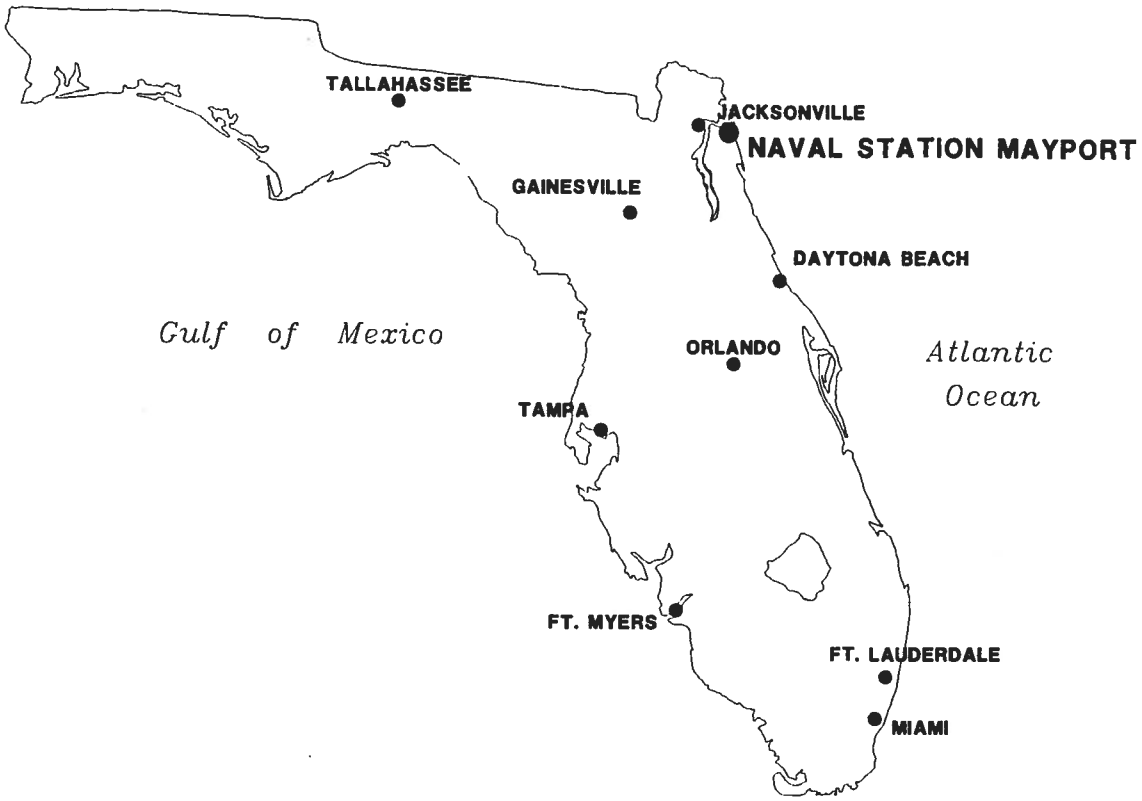
This report presents the site descriptions and background, field investigative activities, findings, preliminary risk evaluation, and conclusions and recommendations of the Resource Conservation and Recovery Act (RCRA) Facility Assessment (RFA) Sampling Visit (SV) for confirmatory sampling at Groups I and II Solid Waste Management Units (SWMUs) at U. S. Naval Station (NAVSTA) Mayport, Florida. NAVSTA Mayport is located in northeastern Duval County, Florida, at the confluence of the St. Johns River and the Atlantic Ocean. Figure 1-1 presents the regional setting of NAVSTA Mayport.

The RCRA Corrective Action Program General Information Report (GIR) for NAVSTA Mayport (ABB-ES, 1995b) provides information common to all four SWMU groups being investigated including background sampling information and analytical methodology, risk assessment approach, and the ecological characterization of NAVSTA Mayport. The NAVSTA Mayport GIR includes a summary of published information including geography, physiography, demographics, climate, regional geology, and hydrogeology; methods and procedures used to conduct the field activities; methodology used to validate analytical data and conduct risk assessments; and characterization of station-wide background conditions including surface and subsurface soil, surface water, sediment, and groundwater that will be used to evaluate the data from each RFA SV SWMU. The information contained in the GIR (ABB-ES, 1995b) is common to all of NAVSTA Mayport's SWMUs, and it will not be repeated in this confirmatory sampling report.

1.1 RESOURCE CONSERVATION AND RECOVERY ACT (RCRA) CORRECTIVE ACTION PROGRAM.

The U.S. Environmental Protection agency (USEPA) issued permit No. H016-118598 (FL9 170 024 260) to NAVSTA Mayport on March 25, 1988, in accordance with the Hazardous and Solid Waste Amendments (HSWA) of 1984. The permit was revised and reissued on June 15, 1993 (USEPA, 1988a). An RFA Visual Site Inspection (VSI) for NAVSTA Mayport was conducted on behalf of the USEPA Region IV by their contractor, A.T. Kearney, Inc. (A.T. Kearney, 1989). The RFA identified 56 SWMUs and 2 areas of concern (AOC) at NAVSTA Mayport. Eighteen SWMUs were determined to require an RCRA Facility Investigation (RFI) because hazardous substance releases to the environment were confirmed and required further characterization to determine the nature and extent of contamination. Fifteen SWMUs were determined not to require further action because no release of hazardous substances to the environment had occurred. Twenty-three SWMUs were determined to require further investigation because hazardous substance releases to the environment were suspected but not confirmed. RFA SVs have been conducted at 7 of these 23 sites to confirm the presence or absence of a release(s) to the environment (Table 1-1). SWMU 51 consists of petroleum underground storage tanks and appurtenances and is being managed under a different program of RCRA (e.g., 40 Code of Federal Regulations [CFR], Part 280, Subtitle C, *Regulation of Underground Storage Tanks*). The other 15 SWMUs will be investigated during subsequent RFA SVs.

Due to the number of SWMUs at NAVSTA Mayport, the diversity of their past and/or present operations, and the magnitude of permit requirements, the USEPA recommended that a phased approach be used to implement RFI, RFA SV, and other corrective action activities. A Corrective Action Management Plan (CAMP) was prepared that describes the phased approach, proposed schedule, and strategy to



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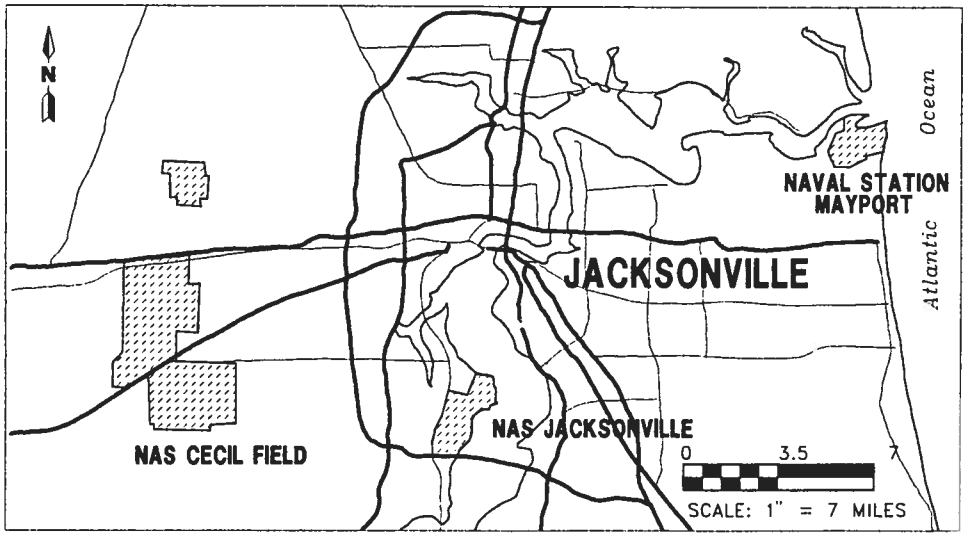


FIGURE 1-1
FACILITY LOCATION MAP

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

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

Table 1-1
Solid Waste Management Units Requiring a Resource Conservation and Recovery Act (RCRA) Facility Assessment Sampling Visit (RFA SV)

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Group I RFA SV Solid Waste Management Units		RFA SV Conducted (Yes/No)
26	Landfill C	Yes
49	Flight Line Retention Ponds	Yes
50	East and West Dredge Spoil Disposal Areas	Yes
56	Building 1552 Accumulation Area	Yes
Group II RFA SV Solid Waste Management Units		**RFA SV Conducted (Yes/No)**
19	Naval Aviation Depot (NADEP) Blasting Area	Yes
28	Defense Reutilization Marketing Office (DRMO) Yard	Yes
48	Former Chemistry Laboratory Accumulation Area	Yes
51	Waste Oil Tanks	No[1]
Group III RFA SV Solid Waste Management Units		**RFA SV Conducted (Yes/No)**
18	Fleet Training Center (FTC) Diesel Generator Sump	No
20	Hobby Shop Drain	No
21	Hobby Shop Scrap Storage Area	No
23	Jacksonville Shipyard, Inc. (JSI), Area	No
24	North Florida Shipyard, Inc. (NFSI), Area	No
25	Atlantic Marine, Inc. (AMI), Area	No
29	Oily Waste Pipeline Break	No[1]
44	Wastewater Treatment Facility Clarifiers 1 and 2	No
45	Sludge Drying Beds	No
46	Shore Intermediate Maintenance Activity (SIMA) Engine Drain Sump	No
52	Public Works Department (PWD) Service Station Storage Area	No[1]
Group IV RFA SV Solid Waste Management Units		**RFA SV Conducted (Yes/No)**
47	Oily Waste Collection System	No
53	Sewer Pipelines	No
54	Oil/Water Separators	No
55	Storm Sewer and Drainage System	No
AOC A	Fuel Distribution System	No[2]
AOC B	Underground Product Storage Tanks	No[2]

[1] SWMUs 29, 51, and 52 are being assessed under Chapter 62-770, Florida Administrative Code (FAC) (State Underground Petroleum Environmental Response).
[2] Area of concern (AOC) requires assessment to determine if confirmatory sampling is warranted.

Note: AOC = Area of Concern.

implement the RCRA Corrective Action Program at NAVSTA Mayport. The original CAMP is located in Appendix F of Volume I of the USEPA-approved RFI workplan (ABB-ES, 1991). The CAMP identifies the operational groups of SWMUs, ranks them by their relative risks to human health and the environment, and contains the proposed schedule for the field investigations and report submittals. A revised CAMP was submitted for regulatory approval in March 1995 (ABB-ES, 1995a).

Four SWMU groups are defined in the CAMP. SWMU Groups I through III are presented on Figure 1-2. SWMU Groups I through III were defined by grouping of individual SWMUs within a geographic area that have similar past waste management practices and the potential for similar corrective measures. Group IV SWMUs are not directly associated within a given geographic area, but consist of utility networks and systems that span multiple geographic areas and are not shown on Figure 1-2.

The Group I SWMUs are located in the southwest part of NAVSTA Mayport and include former landfills, active dredge spoil disposal areas, and other individual SWMUs. These SWMUs were incorporated into Group I because of their proximity to each other, common drainage to the Sherman Creek watershed, similarity of past waste disposal activities, and the potential for similar or related corrective measures. Group I SWMUs were ranked as Priority 1 because of a "high perceived risk" for numerous contaminants to cover a large areal extent affecting large volumes of soil and groundwater.

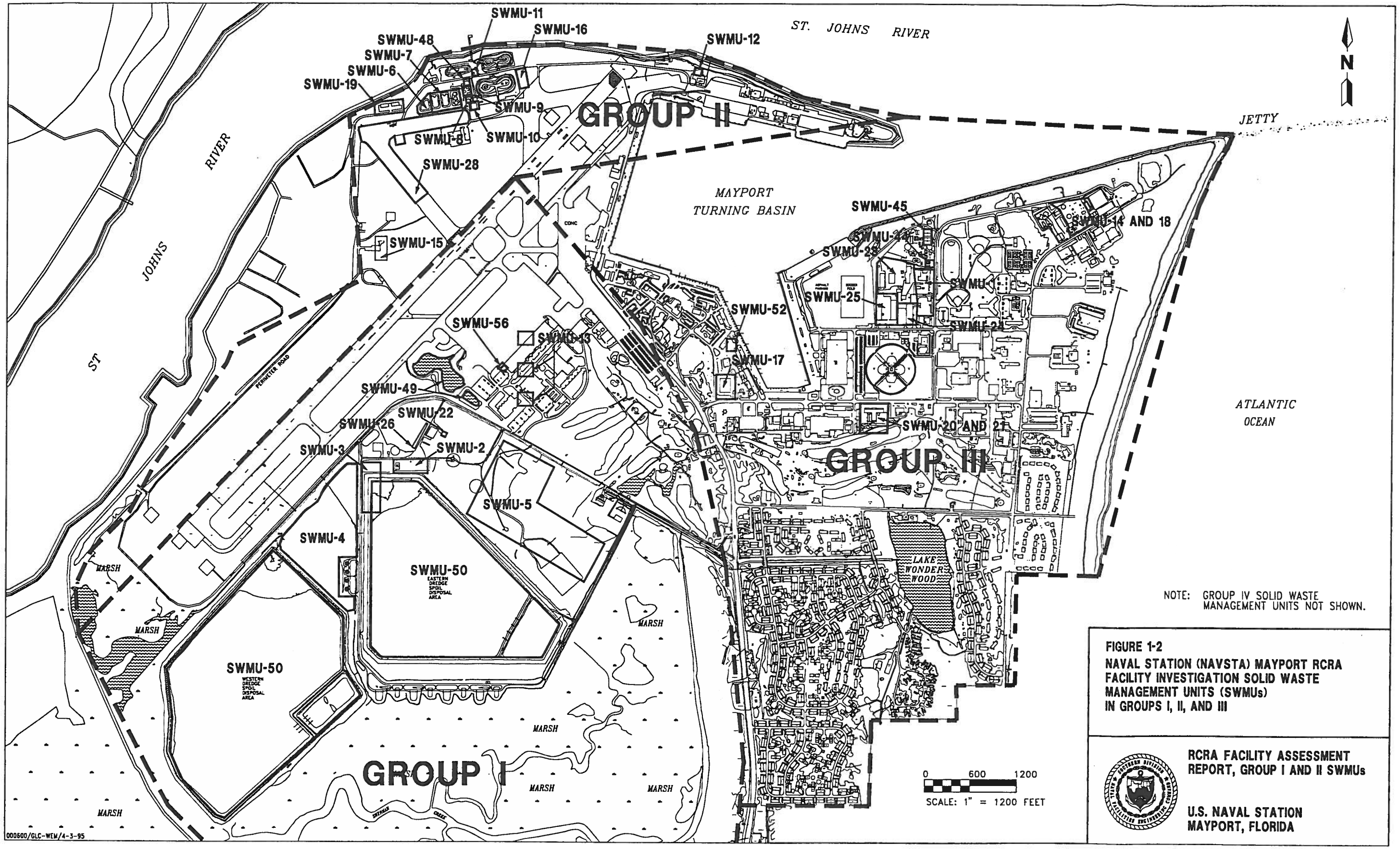
The Group II SWMUs are located along the northern part of NAVSTA Mayport contiguous with the St. Johns River and include current and former hazardous and solid waste storage areas and petroleum waste treatment and disposal facilities. The SWMUs were incorporated into Group II because of their proximity to each other and to the St. Johns River and their potential for similar or related corrective measures. Group II SWMUs were ranked as Priority 2 because of a "moderate perceived risk" for contaminants to cover an area affecting moderate volumes of soil and groundwater, and the potential for adverse impacts on ecological receptors by soil and groundwater. This report presents the results of RFA SV activities at the SWMUs in Group I and II (Table 1-1) identified by the permit as requiring Confirmatory Sampling.

1.2 PREVIOUS INVESTIGATIONS AT GROUPS I AND II SWMUS

The following presents a brief summary of the historical evolution of the investigations at NAVSTA Mayport's Groups I and II SWMUs. Group III and IV SWMUs will be addressed in subsequent confirmatory sampling events in accordance with the schedule presented in the NAVSTA Mayport CAMP (ABB-ES, 1995a).

1.2.1 SWMU Group I Investigations

Phase 1 of the RCRA Corrective Action Program addressed the SWMUs located in Group I and included field investigation activities for both the RFI site characterizations and RFA SVs. The Group I SWMUs that require an RFI are SWMUs 2, 3, 4, 5, 13, and 22 (USEPA, 1988a; A.T. Kearney, 1989) (Figure 1-2) RFI field activities for SWMUs in Group I were performed in early 1992 and a Phase 1 RFI report was submitted to USEPA and Florida Department of Environmental Protection (FDEP) in November 1992 (ABB-ES, 1992a). Data gaps were identified and additional site characterization activities were conducted in 1994. The results of these investigations will be presented in a separate report.



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

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The Group I SWMUs requiring confirmatory sampling are SWMUs 26, 49, 50, and 56. Figure 1-3 presents the locations of the Group I RFA SV SWMUs. SWMU 26 is Landfill C. SWMU 49 consists of the two Flight Line Retention Ponds. SWMU 50 includes the East and West Dredge Spoil Disposal Areas. SWMU 56 is the Building 1552 Accumulation Area.

An RFA SV workplan (confirmatory sampling) for these Group I SWMUs was prepared and submitted for regulatory review in February 1992 (ABB-ES, 1992b). The workplan was approved by regulatory agencies and implemented in late April 1992. A RFA SV report (confirmatory sampling report) was submitted in November 1992 (ABB-ES, 1992c). Several data gaps were identified and subsequently addressed in the RFA SV workplan, Addendum 1, Group I Area, submitted in November 1993 (ABB-ES, 1993a). Field activities for the Group I RFA SV SWMUs were conducted during August and September 1994. This report presents the results from both confirmatory sampling events.

1.2.2 SWMU Group II Investigations Phase 2 of the RCRA Corrective Action Program addressed the SWMUs located in Group II and included field investigative activities for both the RFI site characterizations and RFA SVs.

The Group II SWMUs that require an RFI are SWMUs 6, 7, 8, 9, 10, 11, 12, 15, and 16 (USEPA, 1988a; A.T. Kearney, 1989) (Figure 1-2). Releases of hazardous substances to the environment have been confirmed at these sites. RFI field activities for the SWMUs in Group II were initiated in March 1993 and completed in December 1994. The results of these activities will be presented in a separate report.

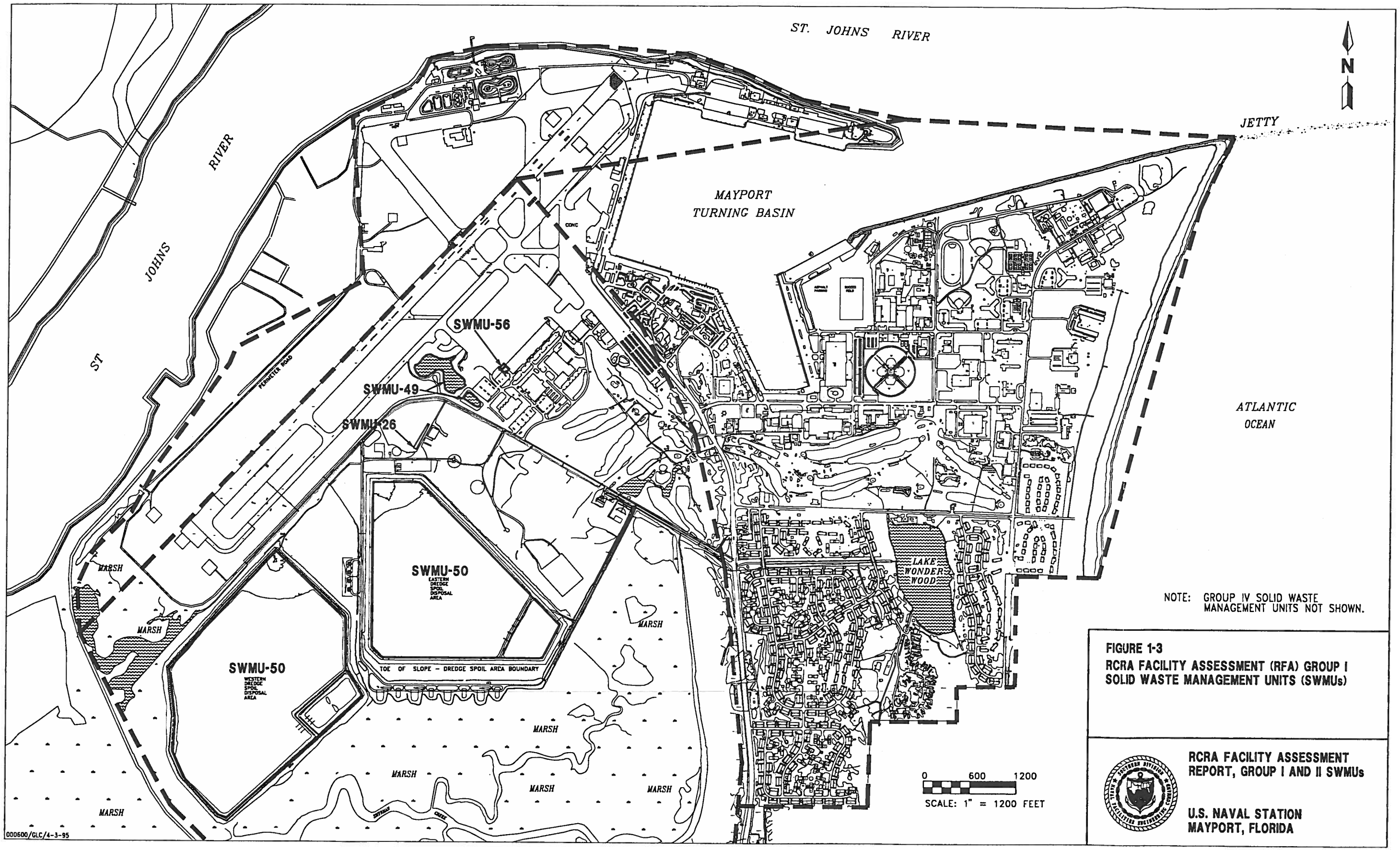
The Group II SWMUs requiring confirmatory sampling are SWMUs 19, 28, and 48. Figure 1-4 presents the locations of the Group II RFA SV SWMUs. SWMU 19 is the Naval Aviation Depot (NADEP) Blasting Area, SWMU 28 is the Defense Reutilization and Marketing Office (DRMO) Yard, and SWMU 48 is the Former Chemistry Laboratory Accumulation Area.

An RFA SV workplan (confirmatory sampling) for these Group II SWMUs was prepared and submitted for regulatory review in November 1993 (ABB-ES, 1993b). Field activities for the Group II RFA SV SWMUs were conducted during August and September 1994. This report presents the results of the confirmatory sampling event.

1.3 RFA SV REPORT FORMAT. This report on confirmatory sampling activities at the Groups I and II RFA SV SWMUs presents one chapter per SWMU. Each chapter includes a site description and site history, field investigative activities, findings, a preliminary risk evaluation, and conclusions and recommendations. Each chapter contains the following elements.

Site Description and Background provides literature information and previous investigative data describing waste management practices, types and quantities of contaminants, and affected media at that SWMU.

RFA and SV Field Investigations describes the data collection activities and deviations, if any, from the workplan that occurred during the Groups I and II RFA SVs.



NOTE: GROUP IV SOLID WASTE MANAGEMENT UNITS NOT SHOWN.

FIGURE 1-3
RCRA FACILITY ASSESSMENT (RFA) GROUP I SOLID WASTE MANAGEMENT UNITS (SWMUs)

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

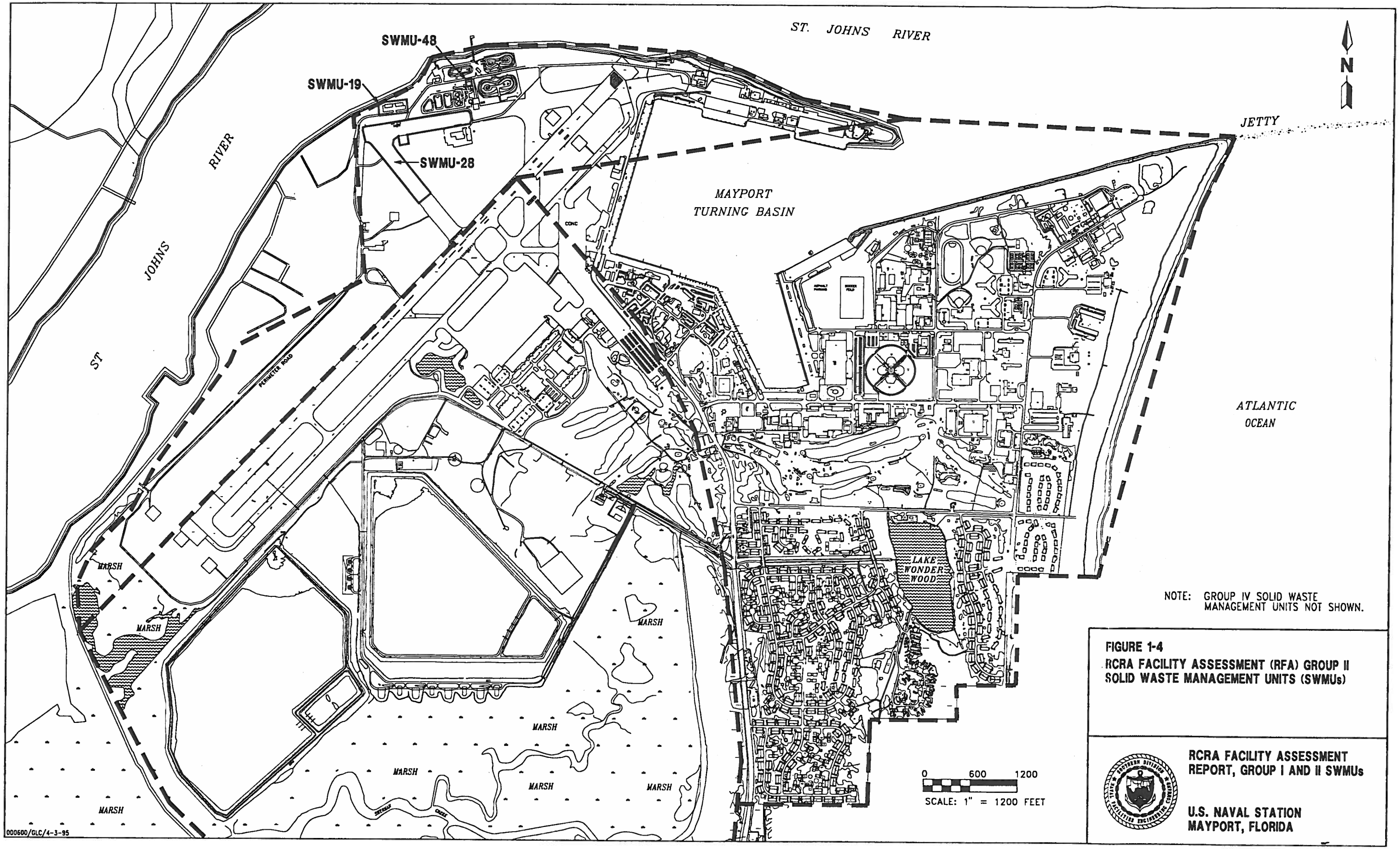


FIGURE 1-4
RCRA FACILITY ASSESSMENT (RFA) GROUP II SOLID WASTE MANAGEMENT UNITS (SWMUs)

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

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Findings presents the results of laboratory analyses of environmental samples (surface and subsurface soil, surface water, sediment, and groundwater) collected during the Groups I and II RFA SV field investigations.

Preliminary Risk Evaluation presents the preliminary assessment of risk for human health and the environment for the SWMU.

Conclusions and Recommendations provides an assessment of the findings relative to the bench mark screening criteria for each media at a site (soil, surface water, sediment, or groundwater).

Data analysis has been focused to support one of the following recommendations for each SWMU: (1) take no further action, (2) investigate nature and extent of contamination by performing an RFI, or (3) implement interim measures.

Except as noted within this report, field activities were conducted in accordance with the approved Phase 1 RFA SV workplan (ABB-ES, 1992b); Addendum 1, Group I SWMUs (ABB-ES, 1993a); and the Phase 2 RFA SV workplan for Group II SWMUs (ABB-ES, 1993b). The general operating guidelines for access, security, and field team organization implemented during RFA SV activities were consistent with RFI requirements as described in Chapter 2.0, Site Management Plan (SMP), of the RFI workplan, Volume II (ABB-ES, 1991). In addition, Section 3.1, General Site Operations, of the RFI workplan, Volume II, provides descriptions of field personnel responsibilities, sample identification, sample management, chain of custody, project documentation, field changes, corrective actions, decontamination, waste management, and other general project standards and procedures. These general requirements were followed during the Groups I and II RFA SV activities.

The following chapters summarize SWMU site descriptions and background, describe the rationale and procedures for field investigations, and present the findings from data gathering activities. The chapters appear in the following order.

Group I SWMUs

- Chapter 2.0, SWMU 26 Landfill C
- Chapter 3.0, SWMU 49 Flight Line Retention Ponds.
- Chapter 4.0, SWMU 50 East and West Dredge Spoil Disposal Areas
- Chapter 5.0, SWMU 56 Building 1552 Accumulation Area

Group II SWMUs

- Chapter 6.0, SWMU 19 Naval Aviation Depot (NADEP) Blasting Area
- Chapter 7.0, SWMU 28 Defense Reutilization and Marketing Office (DRMO) Yard
- Chapter 8.0, SWMU 48 Former Chemistry Laboratory Accumulation Area.

2.0 SOLID WASTE MANAGEMENT UNIT (SWMU) 26, LANDFILL C

2.1 SITE DESCRIPTION AND BACKGROUND. Landfill C (SWMU 26) is located north of Landfill B (SWMU 2) in the central part of NAVSTA Mayport (Figure 1-3). 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 (A.T. 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, 1995b]). No hazardous wastes were disposed at the site according to the IAS (Environmental Science and Engineering, Inc. [ESE], 1986).

SWMU 26 was identified during the IAS as Naval Installation Restoration Program (NIRP) Site 3. The IAS recommended no further investigation because no hazardous wastes were known to have been disposed in SWMU 26 during its brief period of operation in 1963. The SWMU was not identified in the original HSWA permit as an SWMU requiring an RFI (USEPA, 1988a). The RFA (A.T. Kearney, 1989) recommended that documentation be obtained verifying the types of waste disposed at this site. Alternatively, the RFA suggested that soil sampling be conducted to determine if a release to the soil had occurred.

Historical data suggest that only construction debris was disposed at SWMU 26. Prior to the RFA SV field investigation, no additional documentation describing the materials disposed at this site was found. The available historical documentation was reported in the IAS (ESE, 1986) and RFA (A.T. Kearney, 1989).

2.2 RFA SV FIELD INVESTIGATIONS. In the absence of additional supporting documentation, soil sampling was conducted in April 1992 to assess whether hazardous constituents have been or are being released at the site. The sampling event consisted of collecting four surface (land surface to a depth of 6 inches) and four subsurface soil samples (4 to 4.5 feet beneath the land surface) to evaluate soil as a potential exposure pathway. The locations of the surface and subsurface soil samples are shown on Figure 2-1.

The detection of volatile organic compounds (VOCs) and semivolatile organic compounds (SVOCs) in soil samples collected during the April 1992 investigation at SWMU 26 suggest that materials other than "construction debris" may have been deposited in the trench that comprises Landfill C. During the sampling event the water table at the SWMU 26 area was found to be approximately 4.5 feet below land surface (bls). Because the suspected depth of the trench is 8 feet bls, it is apparent that the "debris" was deposited below the water table and a release to groundwater is possible.

Based on the soil sampling results, four monitoring wells were installed at SWMU 26 and groundwater samples were collected in July 1994 to assess whether hazardous constituents have been released to groundwater at or near the site and to evaluate groundwater as a potential exposure pathway. Monitoring well locations are presented on Figure 2-1.

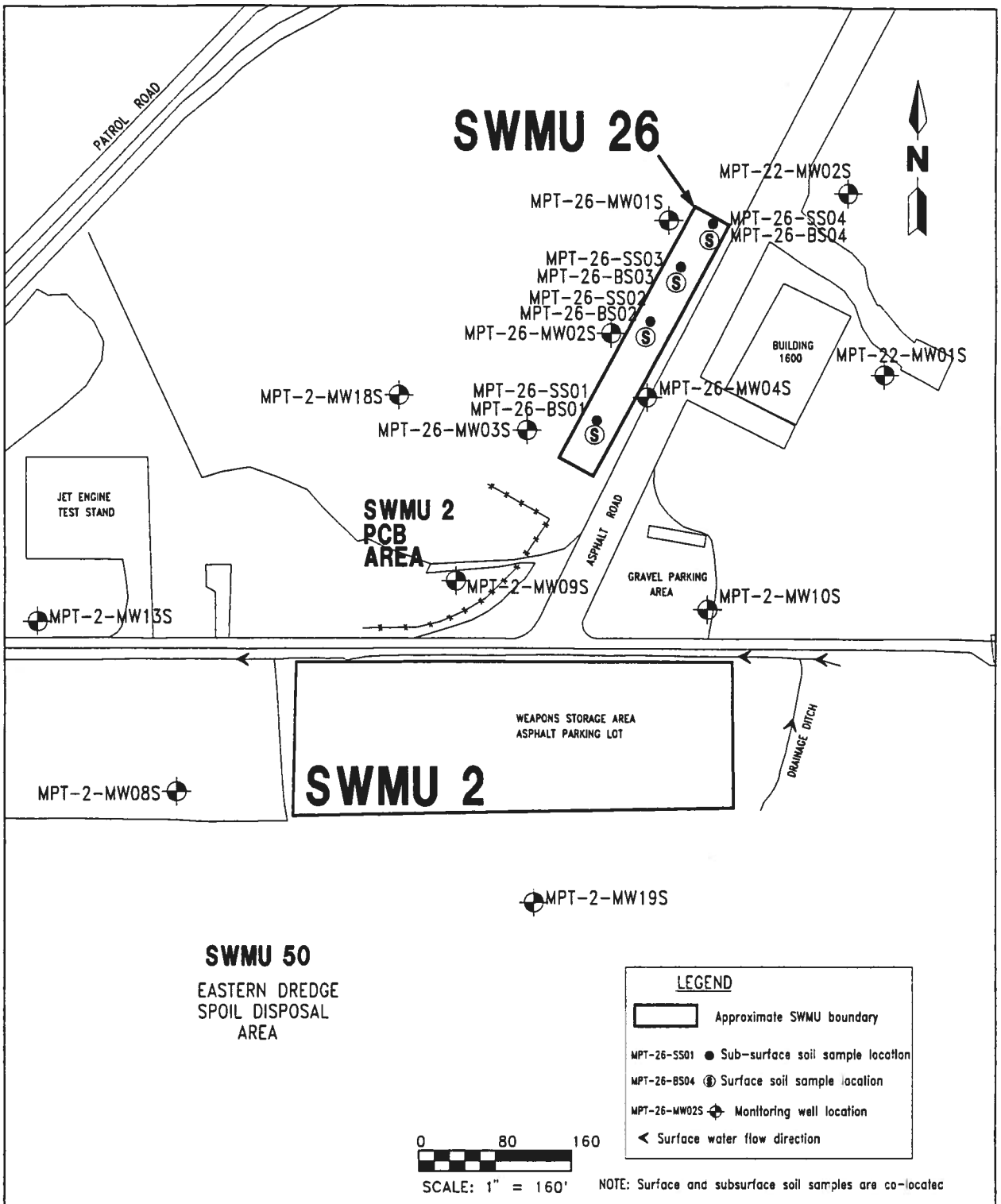

FIGURE 2-1
SAMPLING LOCATIONS AT SWMU 26, LANDFILL C

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RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

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Because many field activities are similar for all NAVSTA Mayport SWMUs, the sampling procedures for RFI and RFA SV (confirmatory sampling) events are described in Section 2.1, Summary of Exploration and Sampling Program, of the NAVSTA Mayport GIR (ABB-ES, 1995b). Site-specific elements and deviations from sampling procedures, if any, particular to SWMU 26 are discussed in subsequent paragraphs, and standard operating procedures are referenced where necessary. Monitoring well installation, soil and groundwater sampling procedures, and associated equipment decontamination procedures were conducted in general conformance with USEPA Region IV Standard Operating Procedures (USEPA, 1991a).

Soil Sample Collection Procedure. Surface and subsurface soil sampling was accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991), and Subsection 2.1.1, Soil Sampling, of the GIR (ABB-ES, 1995b).

Monitoring Well Installation Procedure. Drilling and well installation was accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991), and Subsection 2.1.1, Monitoring Well and Piezometer Installation, of the GIR (ABB-ES, 1995b).

Groundwater Sample Collection Procedure. Groundwater sampling was accomplished as described in Subsection 2.1.4, Groundwater Sampling, of the GIR (ABB-ES, 1995b). The groundwater sample collection method used was low flow sampling.

Laboratory Analysis. Soil and groundwater samples were analyzed for target analytes selected from the Groundwater Monitoring List contained in Appendix IX, 40 CFR, Part 264, and USEPA Contract Laboratory Program target compound list and target analyte list, including VOCs, SVOCs, pesticides, PCBs, metals, and cyanide. The analysis was conducted using methods contained in Test Methods for Evaluating Solid Waste, Physical/Chemical Methods, USEPA SW846 (USEPA, 1986). A list of the target analytes is provided in Appendix A. Analytical results from the 1992 sampling event were presented in the RFA SV Report, Phase 1 (ABB-ES, 1992c), and results of the 1994 sampling event are provided in Appendix B.

2.3 FINDINGS

The following presents a brief description of the results of the RFA SV sampling activities at SWMU 26. The findings include site geologic and hydrogeologic conditions and results of the analyses of surface and subsurface soil samples and groundwater samples.

Site Geology. In June 1994, four soil borings were drilled at SWMU 26 for the installation of shallow monitoring wells (monitoring wells with screens placed across the water table) (Figure 2-1). Boring logs for these four monitoring wells and the other monitoring wells shown in Table 2-1 are presented in the NAVSTA Mayport GIR, Appendix A, Boring Logs (ABB-ES, 1995b).

Subsurface soils encountered during installation of the four monitoring wells at SWMU 26 had considerable variation over the short lateral distance between each location. The following is a description of the subsurface soils encountered at each of the four locations.

- Boring MPT-26-MW01S (located near the northern corner of SWMU 26) encountered a silty sand to a depth of approximately 5.5 feet bls, which was overlying a clayey sand to the explored depth of 12.5 feet bls.

Table 2-1
Solid Waste Management Unit (SWMU) 26 Water Level Data, August 30, 1994

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

Well or Piezometer	Elevation (NGVD)	Water Level		
		Time (EST)	Depth (TOC)	Elevation (msl)
MPT-2-MW08S	10.55	06:39 pm	3.51	7.04
MPT-2-MW09S	10.50	12:00 pm[1]	3.51	7.04
MPT-2-MW10S	10.02	12:45 pm	3.20	6.82
MPT-2-MW18S	6.37	12:32 pm	3.95	2.42
MPT-22-MW01S	7.15	12:10 pm	2.68	4.47
MPT-22-MW02S	6.70	12:05 pm	2.77	3.93
MPT-26-MW01S	5.58	12:20 pm	1.91	3.94
MPT-26-MW02S	6.68	12:25 pm	2.50	4.38
MPT-26-MW03S	7.05	12:28 pm	1.48	5.57
MPT-26-MW04S	7.21	12:48 pm	2.58	4.63

[1] Water level recorded by a programmable electronic monitor.

Notes: NGVD = National Geodetic Vertical Datum of 1929.
EST = Eastern Standard Time.
TOC = top of casing as datum.
msl = mean sea level.

- Boring MPT-26-MW02S (located on the west central side of SWMU 26) encountered a silty sand from the land surface to the explored depth of 12.5 feet bls.

- Boring MPT-26-MW03S (southwest corner of SWMU 26) encountered four distinct lithologic materials, a silty sand from the land surface to a depth of approximately 3.5 feet, underlain by silty sands and gravel to approximately 10 feet bls, which occurred over a silty clay to approximately 11.5 feet bls, and was terminated in a clayey sand at 12.5 feet.

- Boring MPT-26-MW04S (southeast side of SWMU 26) encountered a silty sand from the land surface to approximately 8 feet bls, which overlies a clay layer that occurred to a depth of approximately 10.7 feet bls, and was terminated in a silty sand at a depth of 12.5 feet bls.

Geologic cross sections provided in the NAVSTA Mayport GIR (see Figures 3-3 and 3-4, ABB-ES, 1995b) depict subsurface geologic conditions in the vicinity of SWMU 26.

Site Hydrogeology. The groundwater level at each SWMU 26 monitoring well and for other RFI and RFA SV sites at NAVSTA Mayport was measured during a 7-hour period on August 30, 1994. The depth to the groundwater at each location was measured relative to a notch or mark on the north side of each monitoring well surveyed to the National Geodetic Vertical Datum (NGVD) of 1929 (commonly referred to as mean sea level [msl]). The depths to groundwater measured at each of the SWMU 26 monitoring wells are provided in Table 2-1 along with depths to groundwater measured at other monitoring wells in the vicinity of the site. Also shown on the table are values for the water level measurements relative to the NGVD datum. The elevation data were used to prepare a map of the potentiometric surface (lines that represent altitudes of equal height above the reference datum) of the water table zone of the surficial aquifer (Figure 2-2). The potentiometric surface map of the water table is used to infer that groundwater flow is from higher to lower altitudes in a direction perpendicular to the equipotential lines. Based on the equipotential lines shown on Figure 2-2, the groundwater flow direction at SWMU 26 is generally toward the north.

The hydraulic position of the monitoring wells relative to SWMU 26 also is based on the equipotential lines shown on Figure 2-2. Monitoring wells MPT-2-MW09S and MPT-2-MW10S are located hydraulically upgradient from SWMU 26 (Table 2-2). Monitoring wells MPT-26-MW03S and MPT-26-MW04S are along a similar hydraulic equipotential line as the southern part of SWMU 26. Monitoring wells MPT-26-MW01S and MPT-26-MW02S are located hydraulically downgradient of SWMU 26.

An approximation of the horizontal linear velocity of groundwater flow in the water table zone of the surficial aquifer in the vicinity of SWMU 26 is based on the potentiometric surface (hydraulic gradient) of the water table, estimates of radial hydraulic conductivities at monitoring well locations, and an estimate of the porosity (ratio of the volume of voids to total volume of the soil) of the saturated subsurface soil. The horizontal linear velocity was calculated from a modified form of Darcy's equation and represents the ratio of linear travel distance to travel time between two points (Freeze and Cherry, 1979). The horizontal linear velocity is expressed as V_D/N_e, where V_D is the Darcy velocity ($V_D = KI$, K = radial hydraulic conductivity, and I = hydraulic gradient) and N_e is the effective porosity of the saturated geologic stratum. An effective

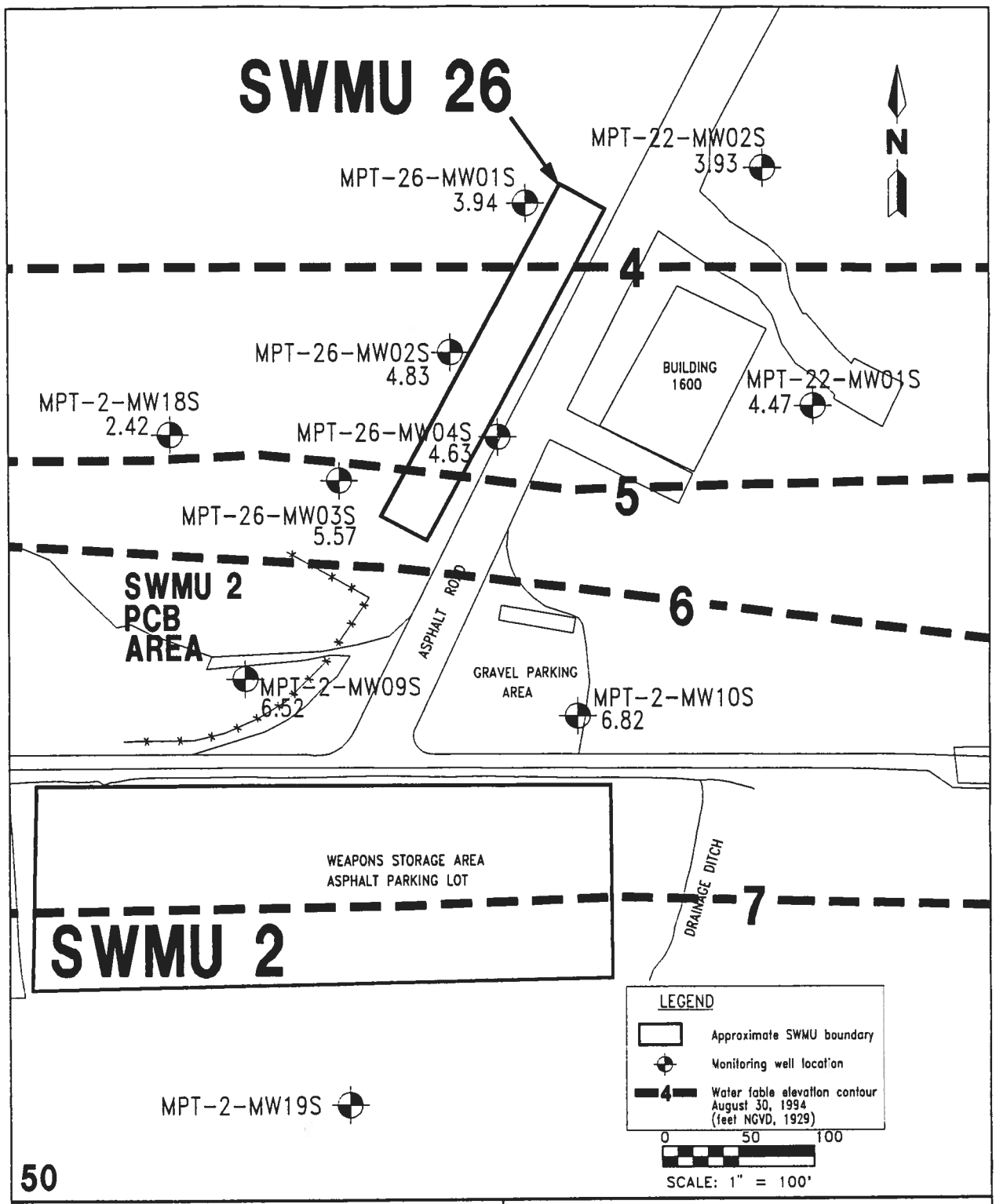

FIGURE 2-2

MONITORING WELL LOCATIONS AND POTENTIOMETRIC SURFACE MAP OF SWMU 26, AUGUST 30, 1994

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RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

porosity of 0.35 is used in the calculations. (See Section 3.2.3, Physical Characteristics of Soil, in the NAVSTA Mayport GIR [ABB-ES, 1995b]).

Table 2-2
Summary of Monitoring Well Installations Near SWMU 26

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

SWMU Number	Monitoring Well No.	Hydraulic Position to SWMU 26	Diameter (inches)	Total Depth (feet)	Screened Interval (feet bls)
2	MPT-2-MW08S	S	2	10	3 to 10
2	MPT-2-MW09S	U	2	10	3 to 10
2	MPT-2-MW10S	U	2	15	5 to 10
2	MPT-2-MW18S	S	2	12.5	2 to 12
22	MPT-22-MW01S	S	2	12	2 to 12
22	MPT-22-MW02S	S	2	13.5	3 to 13
26	MPT-26-MW01S	D	2	12.5	2 to 12
26	MPT-26-MW02S	D	2	12.5	2 to 12
26	MPT-26-MW03S	S	2	12.5	2 to 12
26	MPT-26-MW04S	S	2	12.5	2 to 12

Notes: SWMU = solid waste management unit.
bls = below land surface.
S = hydraulically sidegradient.
U = hydraulically upgradient.
D = hydraulically downgradient.

In-situ radial hydraulic conductivity values for monitoring wells in the vicinity of SWMU 26 are presented in Table 2-3. The range of *in-situ* radial hydraulic conductivity values in the vicinity of SWMU 26 is approximately 4.6 feet per day (MPT-2-MW18S) to 5.7 feet per day (MPT-2-MW05S). The hydraulic gradient appears to be relatively uniform over SWMU 26 (0.003 foot per foot [ft/ft] on August 30, 1994) and an approximation of the horizontal linear velocity of the groundwater ranges from approximately 0.05 to 0.09 foot per day.

Based on the values for horizontal linear velocity and assuming no dilution, dispersion or retardation, a contaminant in the water table zone of the surficial aquifer may travel at rates of 18 to 33 feet per year (Table 2-3).

Surface and Subsurface Soil Analytical Results. Tables 2-4 and 2-5 summarize the validated analytical results for organic and inorganic target analytes, respectively, detected in the surface and subsurface soil samples collected at SWMU 26. Complete analytical results were presented in the RFA SV Report, Phase 1 (ABB-ES, 1992c). A summary of frequencies of detection, range of detection limits, range of detected concentrations, and arithmetic mean and bench mark comparison values are provided in Tables 2-6 and 2-7 for surface and subsurface soil samples, respectively. The target analytes detected in the environmental samples were compared to background screening values computed from station-wide surface and subsurface soil samples (ABB-ES, 1995b), and benchmark values from

USEPA Region III risk based concentrations (RBC) (USEPA, 1995), the USEPA Superfund soil screening levels (SSLs) (USEPA, 1994), and the State of Florida cleanup goals (FDEP, April 1995). Surface and subsurface soil concentrations were compared to an aggregate residential exposure (child and adult) for USEPA Region III RBCs and USEPA SSLs. Values for Florida cleanup goals consist of aggregate residential exposure (child and adult) for surface soil, whereas subsurface soil concentrations were compared to an industrial worker exposure.

Table 2-3
Average Groundwater Velocities at SWMU 26

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

Location	Estimated Effective Porosity	Hydraulic Conductivity (ft/day)	Estimated Gradient[1] (ft/ft)	Estimated Linear Velocity (ft/day)	Estimated Linear Velocity (ft/year)
MPT-2-MW05S	0.35	5.7[2]	0.003	0.05	18
MPT-2-MW10S	0.35	5.5[3]	0.003	0.05	18
MPT-2-MW09S	0.35	5.5[3]	0.003	0.05	18
MPT-2-MW18S	0.35	4.6[4]	0.007	0.09	33

[1] Based on synoptic water table elevations.
[2] Measured during the Expanded Site Inspection, October 1987 (E.C. Jordan, 1988).
[3] In-situ conductivity measurement at MPT-2-P-5, February 1992.
[4] In-situ conductivity measurement at MPT-2-MW18S, December 12, 1994.

Notes: ft/day = feet per day.
ft/ft = feet per foot.
ft/year = feet per year.

Each of the bench mark criteria provided in Tables 2-6 and 2-7 are human health based and represent the lower of either a noncarcinogenic Hazard Index (HI) where values of less than 1 represent a concentration at which noncarcinogenic effects are not likely, or a lifetime excess cancer risk of 10^{-6}, which represents a chance of 1 in 1,000,000 for an adverse carcinogenic effect for a continuous lifetime exposure. The concentrations listed for the USEPA Region III RBCs correspond to an HI of 0.1, whereas the USEPA Superfund SSLs and the State of Florida cleanup goals are based on an HI of 1. The Federal National Oil and Hazardous Substance Pollution Contingency Plan (NCP), Final Rule, (40 CFR, Part 300) states that for carcinogens a lifetime excess cancer risk in the range of 10^{-4} (a chance of 1 in 10,000 for an adverse carcinogenic effect for a continuous lifetime exposure) to 10^{-6} represents concentrations that are considered by USEPA to be protective of human health.

Four surface and subsurface soil sample pairs were collected on April 21, 1992, along the center line of SWMU 26 on 75-foot centers (Figure 2-1). Surface soil samples were collected from 0 to 0.5 foot bls. The subsurface soil samples were collected above the water table at a sampling interval of 4 to 4.5 foot bls.

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

Table 2-4
Organic Analytes Detected in Soil Samples at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:			21510		21510		21510		21510		21510	
Sample Matrix:			Soil		Soil		Soil		Soil		Soil	
Sample Location:			MPT-26-SS01		MPT-26-SS01		MPT-26-BS01		MPT-26-BS01		MPT-26-SS02	
Sample No.:			MPT26SS01		MPT26SS01Dup		MPT26BS11		MPT26BS11Dup		MPT26SS02	
Date Sampled:			04/21/92		04/21/92		04/21/92		04/21/92		04/21/92	
Sample Depth (ft bls):			0 to 0.5		0 to 0.5		4 to 4.5		4 to 4.5		0 to 0.5	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
	Volatile Organics											
67-66-3	Chloroform	µg/kg	–	–	–		–		5	J	–	
78-93-3	2-Butanone	µg/kg	–	–	6	J	9	J	15		–	
108-88-3	Toluene	µg/kg	–	–	–		–		–		–	
1330-20-7	Xylene	µg/kg	3	J	2	J	–		–		–	
75-05-8	Acetonitrile	µg/kg	–	–	–		–		–		–	
	Semivolatile Organics											
84-74-2	Di-n-butylphthalate	µg/kg	–	–	50	J	–		51	J	54	J
117-81-7	bis(2-Ethylhexyl)phthalate	µg/kg	–	–	–		–		42	J	38	J

See notes at end of table.

Table 2-4 (Continued)
Organic Analytes Detected in Soil Samples at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:			21510		21510		21510		21510		21510	
Sample Matrix:			Soil		Soil		Soil		Soil		Soil	
Sample Location:			MPT-26-BS22		MPT-26-SS3		MPT-26-BS3		MPT-26-SS4		MPT-26-BS4	
Sample No.:			MPT26BS12		MPT26SS03		MPT26BS13		MPT26SS04		MPT26BS14	
Date Sampled:			04/21/92		04/21/92		04/21/92		04/21/92		04/21/92	
Sample Depth (ft bls):			4 to 4.5		0 to 1.5		4 to 4.5		0 to 1.5		4 to 4.5	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
	Volatile Organics											
67-66-3	Chloroform	µg/kg	--		--		--		--		--	
78-93-3	2-Butanone	µg/kg	7	J	6	J	--		--		11	J
108-88-3	Toluene	µg/kg	--		--		--		1	J	--	
1330-20-7	Xylene	µg/kg	--		1	J	2	J	5	J	2	J
75-05-8	Acetonitrile	µg/kg	--		--		22	J	24	J	24	J
	Semivolatile Organics											
84-74-2	Di-n-butylphthalate	µg/kg	43	J	69	J	54	J	64	J	63	J
117-81-7	bis(2-Ethylhexyl)phthalate	µg/kg	--		94	J	--		38	J	--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = duplicate of the environmental sample.
ft bls = sample collection depth in feet below land surface.
Conc. = concentration.
Qual. = qualifier.
µg/kg = micrograms per kilogram.
"J" = estimated value.
-- = analyte not detected.

Table 2-5
Inorganic Analytes Detected in Soil Samples at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:			21510		21510		21510		21510		21510	
Sample Matrix:			Soil		Soil		Soil		Soil		Soil	
Sample Location:			MPT-26-SS01		MPT-26-SS01		MPT-26-BS01		MPT-26-BS01		MPT-26-SS02	
Sample No.:			MPT26SS01		MPT26SS01Dup		MPT26BS11		MPT26BS11Dup		MPT26SS02	
Date Sampled:			04/21/92		04/21/92		04/21/92		02/21/92		04/21/92	
Sample Depth (ft bls):			0 to 1.5		0 to 1.5		4 to 4.5		4 to 4.5		4 to 4.5	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
7440-38-2	Arsenic	mg/kg	0.68	J	0.57	J	0.74	J	0.57	J	0.76	J
7440-39-3	Barium	mg/kg	4.5	J	6.3	J	4.7	J	4.1	J	3.4	J
7440-41-7	Beryllium	mg/kg	0.11	J	0.11	J	0.11	J	--		0.11	J
7440-47-3	Chromium	mg/kg	3.9		4.1		2.5	J	1.8	J	2.7	
7440-48-4	Cobalt	mg/kg	--		--		--		--		--	
7440-50-8	Copper	mg/kg	8.8		5.0	J	4.5	J	1.3	J	7.4	
7440-92-1	Lead	mg/kg	--		--		--		--		--	
7440-02-0	Nickel	mg/kg	6.8	J	4.8	J	2.3	J	--		2.4	J
7440-62-2	Vanadium	mg/kg	3	J	3.7	J	1.7	J	1.0	J	5.4	J
7440-66-6	Zinc	mg/kg	29.7	J	14.3	J	15.4	J	3.8	J	19.4	J
5955-70-0	Cyanide	mg/kg	1.3		1.7		0.25	J	0.21	J	--	

See notes at end of table.

Table 2-5 (Continued)
Inorganic Analytes Detected in Soil Samples at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:			21510		21510		21510		21510		21510	
Sample Matrix:			Soil		Soil		Soil		Soil		Soil	
Sample Location:			MPT-26-BS02		MPT-26-SS03		MPT-26-BS03		MPT-26-SS04		MPT-26-BS04	
Sample No.:			MPT26BS12		MPT26SS03		MPT26BS13		MPT26SS04		MPT26BS14	
Date Sampled:			04/21/92		04/21/92		02/21/92		04/21/92		04/21/92	
Sample Depth (ft bls)			4 to 4.5		0 to 1.5		4 to 4.5		0 to 1.5		4 to 4.5	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
7440-38-2	Arsenic	mg/kg	0.67	J	0.86	J	1.1	J	1.6	J	2	J
7440-39-3	Barium	mg/kg	2.2	J	2.7	J	2.9	J	8.2	J	9	J
7440-41-7	Beryllium	mg/kg	0.07	J	0.13	J	0.11	J	0.33	J	0.23	J
7440-47-3	Chromium	mg/kg	2.6		3.4		2.8		8.2		7.4	
7440-48-4	Cobalt	mg/kg	--		--		--		1.4	J	1.4	J
7440-50-8	Copper	mg/kg	1.3	J	4.6	J	3.9	J	7.0		3.4	J
7440-92-1	Lead	mg/kg	--		--		--		4.6	J	3.5	J
7440-02-0	Nickel	mg/kg	--		3.1	J	3.3	J	4.4	J	3.7	J
7440-62-2	Vanadium	mg/kg	2.5	J	2.4	J	2.6	J	8.6	J	6.3	J
7440-66-6	Zinc	mg/kg	9.6	J	15.3	J	10.2	J	17.5	J	12.5	J
5955-70-0	Cyanide	mg/kg	--		--		2.1		1.6		3	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = duplicate of the environmental sample.
ft bls = sample collection depth in feet below land surface.
Conc. = concentration.
Qual. = qualifier.
mg/kg = milligrams per kilogram.
"J" = estimated value.
-- = analyte not detected.

Table 2-6
Chemicals of Potential Concern (CPCs) in Surface Soil at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Volatiles (µg/kg)										
Acetonitrile	1/4	110 to 120	24	24	ND	47,000	NA	NA	No	S
2-Butanone	2/4	12 to 14	6	6	ND	4,700,00	NA	2,500,000	No	S, P, G
Toluene	1/4	5 to 6	1	1	ND	1,600,000	16,000,000	270,000	No	S, P, G
Xylene	3/4	6 to 6	1 to 5	2.8	ND	16,000,000	160,000,000	6,400,000	No	S, P,G
Semivolatiles (µg/kg)										
Di-n-butylphthalate	4/4	NR	54 to 220	102	ND	780,000	7,800,000	7,500,000	No	S, P, G
bis(2-Ethylhexyl) phthalate	3/4	390 to 780	38 to 94	56.7	ND	46,000	46,000	45,000	No	S, P, G
Pesticides/PCBs (µg/kg)										
No analytes detected										
Inorganics (mg/kg)										
Arsenic	4/4	NR	0.63 to 1.6	0.96	ND	[9]0.37	0.4	0.7	Yes	
Barium	4/4	NR	2.7 to 8.2	4.9	2.8	550	5,500	5,000	No	S, P, G
Beryllium	4/4	NR	0.11 to 0.33	0.17	0.16	0.15	0.1	0.1	Yes	
Chromium	4/4	NR	2.7 to 8.2	4.6	1.3	[10]39	390	150	No	S, P, G
Cobalt	1/4	0.75 to 0.84	1.4	1.4	ND	470	NA	4,700	No	S, G
Copper	4/4	NR	4.6 to 7.4	6.5	1.1	290	NA	2,900	No	S, P,G
Lead	1/4	2.5 to 2.8	4.6	4.6	ND	[11]400	[11]400	500	No	S, P,G
Nickel	4/4	NR	2.4 to 5.8	3.9	ND	160	1,600	1,500	No	S, P, G
Vanadium	4/4	NR	2.4 to 8.6	5	2	55	550	480	No	S, P, G
Zinc	4/4	NR	15.3 to 22	18.6	1.3	2,300	23,000	23,300	No	S, P, G
Cyanide	2/4	0.19 to 0.21	1.5 to 1.6	1.6	ND	160	1,600	1,600	No	S, P, G

See notes on next page.

Table 2-6 (Continued)
Chemicals of Potential Concern (CPCs) in Surface Soil at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Notes from previous pages.

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected value, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified as "J"; it does not include those samples where the analyte was not detected ("U," or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III risk based concentration tables dated February 9, 1995, and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.
[7] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the aggregate resident based on a cancer risk of 10^{-6} and the child resident based on a hazard quotient of 1.
[8] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
- G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
- C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
- P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.

[9] The value is based on arsenic as a carcinogen.
[10] The value is based on chromium hexavalent form.
[11] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and RCRA sites.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 26SS01, 26SS02, 26SS03, and 26SS04.
Background sample locations include: MPT-B-SS1, MPT-B-SS2, MPT-B-SS3, MPT-B-SS4, MPT-B-SS5, and MPT-B-SS6.
Duplicate background sample location includes: MPT-B-SS1DUP.

μg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NA = not available.
NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilograms.

Table 2-7
Chemicals of Potential Concern (CPCs) in Subsurface Soil Samples at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Volatiles (µg/kg)										
Acetonitrile	2/4	120 to 130	22 to 24	23	ND	47,000	NA	NA	No	S
2-Butanone	3/4	11	7 to 12	10	ND	4,700,000	NA	17,000,000	No	S, P, G
Chloroform	1/4	5 to 6	5	5	ND	10,000	110,000	400	No	S, P, G
Xylene	2/4	6 to 6	2	2	ND	16,000,000	160,000,000	44,000,000	No	S, P, G
Semivolatiles (µg/kg)										
Di-n-butylphthalate	4/4	NR	43 to 108	67	ND	780,000	7,800,000	150,000,000	No	S, P, G
bis(2-Ethylhexyl) phthalate	1/4	380 to 410	104	104	ND	46,000	46,000	500	No	S, P, G
Pesticides/PCBs (µg/kg)										
None										
Inorganics (mg/kg)										
Arsenic	4/4	NR	0.66 - 2	1.1	0.9	[9]0.37	0.4	3	Yes	
Barium	4/4	NR	2.2 - 9	4.6	7.2	550	5,500	74,000	No	S, P, G
Beryllium	4/4	NR	0.07 - 0.23	0.12	0.14	0.15	0.1	0.2	Yes	
Chromium	4/4	NR	2.2 - 7.4	3.8	3.4	[10]39	390	[10]220	No	S, P, G
Cobalt	1/4	0.75 to 0.89	1.4	1.4	1.04	470	NA	110,000	No	S, G
Copper	4/4	NR	1.3 to 3.9	2.9	3.6	290	NA	72,000	No	S, G
Lead	1/4	1 to 2.2	3.5 to 3.5	3.5	2.8	[11]400	[11]400	1,000	No	S, P, G
Nickel	3/4	0.94	1.4 to 3.7	2.8	ND	160	1,600	11,000	No	S, P, G
Vanadium	4/4	NR	1.4 to 6.3	3.2	3.2	55	550	4,800	No	S, P, G
Zinc	4/4	NR	9.6 to 12.5	10.5	4.8	2,300	23,000	552,000	No	S, P, G
Cyanide	2/4	0.22	0.23 to 3	1.8	0.66	160	1600	40,000	No	S, P, G

See notes on next page.

Table 2-7 (Continued)
Chemicals of Potential Concern (CPCs) in Subsurface Soil Samples at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected, including value qualified as "J"; it does not include those samples where the analyte was not detected ("U," or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III RBC tables dated February 9, 1995, and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.
[7] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April, 5, 1995. The values are for the Industrial Worker based on a cancer risk of 10^{-6} and the general worker based on a hazard quotient of 1.
[8] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
- G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
- C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
- P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.

[9] The value is based on arsenic as a carcinogen.
[10] The value is based on chromium hexavalent form.
[11] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) sites.

Notes: The average of a sample and its duplicate is used for all table calculations.
Sample locations include: 26BS11; 26BS12; 26BS13; 26BS14
Duplicate sample locations include: 26BS11D
Background sample locations include: MPT-B-BS1; MPT-AB-BS4; MPT-B-BS5; MPT-B-BS6
Duplicate background sample locations include: MPT-B-BS1DUP
µg/kg = micrograms per kilograms. mg/kg = milligrams per kilograms.
ND = not detected in any background samples. PCBs = polychlorinated biphenyls.
NA = not available.
NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.

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 bls.

Four VOCs (2-butanone, toluene, xylene, and acetonitrile) were detected in the surface soil samples (Table 2-4). Two SVOCs (di-n-butylphthalate 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 (Table 2-5).

Groundwater Analytical Results. A summary of groundwater quality parameters is provided in Table 2-8 and Tables 2-9 and 2-10 summarize the validated analytical results for semivolatile and inorganic target analytes, respectively, detected in groundwater samples collected at SWMU 26. Complete analytical results are presented in Appendix B. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Table 2-11. The target analytes detected in the environmental samples were compared to background screening values computed from station-wide background groundwater samples (ABB-ES, 1995b), and bench mark values consisting of USEPA Region III RBCs (USEPA, 1995), and Florida groundwater guidance concentrations (FDEP, 1994). The Florida groundwater guidance concentrations consist of promulgated and unpromulgated values. The State of Florida promulgated values are equal or more stringent than Federal primary and secondary drinking water regulations (57FR31777, July 17, 1992). Promulgated values that are exceeded will be identified in the text.

Each of the bench mark criteria provided in Table 2-11 are human health based and represent the lower of either a noncarcinogenic hazard index (HI) of 1 or a lifetime excess cancer risk of 10^{-6}. Bench mark values for a noncarcinogenic HI of 1 or less represent a concentration where noncarcinogenic effects are not likely. A bench mark value for a lifetime excess cancer risk of 10^{-6} represents a chance of 1 in 1,000,000 for an adverse carcinogenic effect for a continuous lifetime exposure.

The water quality parameters for the SWMU 26 groundwater monitoring wells were compared to the State of Florida secondary water quality criteria (Florida Administrative Code, Chapter 62-550.320) (Table 2-8). Values determined for color and total dissolved solids exceeded the State of Florida secondary water quality criteria for three of the groundwater samples. The State of Florida secondary water quality criteria for pH was exceeded in the groundwater sample collected from monitoring well MPT-26-MW04S.

Values determined for hardness as $CaCo_3$ suggest that the groundwater would be considered very hard (greater than 180 mg/ℓ; Durfor and Becker, 1964). The values determined for total dissolved solids suggest that the groundwater would be considered brackish to slightly saline. The range for classifying water as brackish is 1,000 to 10,000 mg/ℓ and the range for classifying water as saline is 10,000 to 100,000 for saline (Freeze and Cherry, 1979).

VOCs, pesticides, PCBs, or cyanide (total) were not detected in the groundwater samples collected from the SWMU 26 monitoring wells. Target analytes detected

Table 2-8
Water Quality Parameters for Groundwater at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:		M7505	M7515	M7492	Secondary Water Quality Criteria[1]
Sample Matrix:		Groundwater	Groundwater	Groundwater	
Sample Location:		MPT-26-MW01S	MPT-26-MW03	MPT-26-MW04	
Sample No.:		26MW0001S	26MW003S	26MW004S	
Date Sampled:		08/02/94	08/02/94	08/02/94	
Common Name	Units	Conc.	Conc.	Conc.	Conc.
Alkalinity as $CaCO_3$	mg/ℓ	950	780	866	--
Ammonia nitrogen	mg/ℓ	6.2	13.7	6.9	--
Chloride	mg/ℓ	3,470	6,740	5,660	250,000
Color	APHA	70	50	50	15
Hardness as $CaCO_3$	mg/ℓ	1,530	2,030	1,890	--
Nitrate + nitrite nitrogen	mg/ℓ	0.13	< 0.1	< 1	10,000
Oil and grease	mg/ℓ	< 5	5.8	< 5	--
Phosphorous P, total	mg/ℓ	2.24	1.73	0.96	--
Sulfate	mg/ℓ	181	< 1	87.2	250,000
Sulfide	mg/ℓ	3.5	1	18.5	--
Total dissolved solids	mg/ℓ	6,310	10,300	9,810	500
Total Kjeldahl nitrogen	mg/ℓ	9.7	16.3	9.7	--
Total organic carbon	mg/ℓ	20.6	28.2	20	--
pH	SU	6.9	7	10.4	6.5 to 8.5

[1] Secondary water quality criteria, Chapter 62-550.320, Florida Administrative Code.

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Conc. = concentration.
$CaCO_3$ = calcium carbonate.
mg/ℓ = milligrams per liter.
-- = analyte not detected.
APHA = American Public Health Association.
SU = standard units.

Table 2-9
Semivolatile Organic Analytes Detected in Groundwater Samples at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:		M7503		M7503		M7503		M7513		M7490	
Sample Matrix:		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater	
Sample Location:		MPT-26-MW01S		MPT-26-MW01S		MPT-26-MW02S		MPT-26-MW03S		MPT-26-MW04S	
Sample No.:		26MW001S		26MW001SDup		26MW002S		26MW003S		26MW004S	
Date Sampled:		07/12/94		07/12/94		07/12/94		07/13/94		07/10/94	
Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
Di-n-butylphthalate	µg/ℓ	--		--		--		2	J	--	
bis(2-ethylhexyl)phthalate	µg/ℓ	--		--		--		1	J	--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = duplicate of environmental sample.

Conc. = concentration.
Qual. = qualifier.
"J" qualifier = value.
µg/ℓ = micrograms per liter.
-- = analyte not detected.

Table 2-10
Inorganic Analytes Detected in Groundwater Samples at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:		M7504		M7504		M7504		M7514		M7491	
Sample Matrix:		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater	
Sample Location:		MPT-26-MW01S		MPT-26-MW01S		MPT-26-MW02S		26MW003S		26MW004S	
Sample No.:		26MW001S		26MW001SDup		26MW002S		MPT26SS04		MPT26BS14	
Date Sampled:		07/12/94		07/12/94		07/12/94		07/13/94		07/10/94	
Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
Antimony	µg/ℓ	--		--		--		5.2		--	
Arsenic	µg/ℓ	1.1	J	--		--		--		--	
Barium	µg/ℓ	25.7	J	25.8	J	18.3	J	15	J	23.6	J
Calcium	µg/ℓ	246,000		267,000		183,000		113,000	J	224,000	
Iron	µg/ℓ	89.8	J	324	J	1,320	J	487		44	J
Lead	µg/ℓ	--		6.2		--		2.2	J	--	
Magnesium	µg/ℓ	186,000		180,000		154,000		355,000		330,000	
Manganese	µg/ℓ	163		251	J	313	J	310	J	215	
Selenium	µg/ℓ	--		2.6	J	--		--		--	
Sodium	µg/ℓ	1,740,000	J	1,620,000		1,280,000	J	326,000		3,240,000	
Thallium	µg/ℓ	1.4		--		--		--		--	
Zinc	µg/ℓ	--		--		--		5	J	--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = Duplicate of the environmental sample.

Conc. = concentration.
Qual. = qualifier.
"J" = estimated value.
µg/ℓ = micrograms per liter.
-- = analyte not detected.

Table 2-11
Chemicals of Potential Concern (CPCs) in Groundwater at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Concentration[4]	Risk Based Screening Concentration[5]	Florida Guidance Concentration[6]	Analyte CPC? (Yes/No)	Reason[7]
Volatiles (μg/ℓ)									
No Analytes Detected									
Semivolatiles (μg/ℓ)									
Di-n-butylphthalate	1/4	10 to 10	2	2	ND	370	700	No	S, G
bis(2-Ethylhexyl)phthalate	1/4	10 to 10	1	1	6.2	4.8	6	No	S, G
Pesticides/PCBs (μg/ℓ)									
No Analytes Detected									
Inorganics (μg/ℓ)									
Antimony	1/4	2.2 to 22.3	5.2	5.2	ND	1.5	6	Yes	
Arsenic	1/4	0.45 to 0.9	0.775*	0.78	11.4	[8]0.038	[8]50	No	B
Barium	4/4	NR	15 to 25.75*	20.7	10.4	260	2,000	No	S, G
Calcium	4/4	NR	113,000 to 256,500*	194,125	170,450	1,055,398	NA	No	S
Iron	4/4	NR	44 to 1,320	514	2076	13,267	300	Yes	
Lead	2/4	2.2 to 2.9	2.2 to 4.275*	3.2	4	[10]15	[10]15	No	S, G
Magnesium	4/4	NR	154,000 to 355,000	255,500	21,234	118,807	NA	Yes	
Manganese	4/4	NR	207* to 313	261	185.8	18	50	Yes	
Selenium	1/4	6.6 to 13.2	4.6*	4.6	11.8	18	50	No	B
Sodium	4/4	NR	1,280,000 to 3,260,000	2,365,000	18,624	396,022	NA	Yes	
Thallium	1/4	0.65 to 1.3	1.025*	1	ND	[11]0.29	2	Yes	
Zinc	1/4	4.2 to 7.3	5	5	50	1,100	5,000	No	B

See notes on next page.

Table 2-11 (Continued)
Chemicals of Potential Concern (CPCs) in Groundwater at SWMU 26

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Concentration[4]	Risk Based Screening Concentration[5]	Florida Guidance Concentration[6]	Analyte CPC? (Yes/No)	Reason[7]

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected, including values qualified as "J"; it does not include those samples where the analyte was not detected ("U," or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for tap water per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from RBC Table dated February 9, 1995, and are based on a cancer risk of 10^{-6} or an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Florida Department of Environmental Protection Groundwater Guidance Concentrations (June 1994).
[7] Analytes were included or excluded from the risk assessment for the following reasons:
S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
C = the analyte is a member of a chemical class that contains other human health chemicals of potential concern (HHCPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
M = the analyte was detected at less than 5 percent and is a HHCPC in more than one media.
P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.
[8] The value is based on arsenic as a carcinogen.
[9] The value is based on chromium hexavalent form.
[10] Treatment technology action limit for drinking water distribution systems per "National Primary Drinking Water Regulations" 40 CFR 141 as amended in 57 FR 41345, August 3, 1993.
[11] The values is based on thallium as thallium sulfate.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 26MW001S, 26MW002S, 26MW003S, and 26MW004S.
Duplicate sample includes: 26MW001SD.
Background sample locations include: 01MW001, 08MW005S, 08MW001S, 0SMW001R, 8MW5S, MPT-1-MW1-1, MPT-S-1-1, and S1.

NA = not available.
ND = not detected in any background samples.
PCBs = polychlorinated biphenyls.
$\mu g/\ell$ = micrograms per liter.
NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.

Table 2-12
Inorganic Analytes Detected in Groundwater Samples at SWMUs 2 and 3

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:		20866		R8229		20877		R2818		R8607	
Sample Matrix:		Groundwater		Groundwater		Groundwater		Groundwater		Groundwater	
Sample Location:		MPT-2-MW09S		MPT-2-MW09S		MPT-26-MW10S		MPT-2-MW10S		MPT-2-MW13S	
Sample No.:		MPT2MW9S1		2MW009S		MPT2MW101		02MW010S		2MW013S	
Date Sampled:		02/09/92		06/21/94		02/10/92		07/13/94		08/24/94	
Common Name	Units	Conc.	Qual	Conc.	Qual.	Conc.	Qual.	Conc	Qual.	Conc.	Qual.
Antimony	µg/ℓ	--		--		17.4	J	--		-	
Arsenic	µg/ℓ	--		--		5	J	--		0.9	J
Barium	µg/ℓ	8.7	J	8.5	J	29.1	J	25.2	J	18.1	J
Calcium	µg/ℓ	7,960		65,900		162,000		121,000		134,000	
Iron	µg/ℓ	162		655	J	474		530	J	448	
Lead	µg/ℓ	4.8	J	--		--		--		--	
Magnesium	µg/ℓ	300,000		207,000		282,000		219,000		110,000	
Manganese	µg/ℓ	101		85.3	J	102		86.5	J	149	
Selenium	µg/ℓ	--		--		--		--		--	
Sodium	µg/ℓ	2,660,000		2,040,000		2,900,000		2,010,000		1,760,000	
Thallium	µg/ℓ	--		--		--		--		--	
Zinc	µg/ℓ	--		39		4.1	J	--		2.4	J

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Conc. = concentration.
Qual. = qualifier.
"J" = estimated value.
µg/ℓ = micrograms per liter.
-- = analyte not detected.

in the groundwater samples consist of two SVOCs (di-n-butylphthalate and bis(2-ethylhexyl)phthalate) and 12 inorganic analytes (antimony, arsenic, barium, calcium, iron, lead, magnesium, manganese, selenium, sodium, thallium, and zinc). The inorganic groundwater samples were not filtered and represent total concentrations.

2.4 PRELIMINARY RISK EVALUATION.

Surface Soil. None of the VOCs or SVOCs detected in the surface soil samples exceed the bench mark values (Table 2-6). Two of the inorganic analytes, arsenic and beryllium, were detected in surface soil samples at concentrations that exceed bench mark values, which are based on values for a lifetime excess cancer risk of 10^{-6}.

Each of the four surface soil samples contained arsenic at concentrations that exceed the USEPA Region III RBC (0.37 mg/kg) and the proposed Superfund SSL (0.4 mg/kg). Three of the samples contained arsenic at concentrations that exceed the FDEP cleanup goal (0.7 mg/kg). The different bench mark values are a result of variations in assumptions used in the computations. Arsenic was not detected in background surface soil samples.

Only one of the samples (MPT-26-SS04) contained beryllium at a concentration (0.33 mg/kg) higher than the background screening value (0.16 mg/kg) and the USEPA Region III RBC (0.15 mg/kg). Each of the four surface soil samples contained beryllium at concentrations that exceed the proposed Superfund SSL and Florida cleanup goal of 0.1 mg/kg. The surface soil background screening value for beryllium also exceeds the bench mark values.

Subsurface Soil. None of the VOCs or SVOCs detected in the subsurface soil samples exceed the bench mark values (Table 2-7). Two of the inorganic analytes, arsenic and beryllium, were detected in subsurface soil samples at concentrations that exceed bench mark values. Only one of four subsurface soil samples (MPT-26-SS04) contained arsenic at a concentration (1.6 mg/kg) that exceeds the background screening value (0.9 mg/kg). Each of the four subsurface soil samples contained arsenic at concentrations that exceed the USEPA Region III RBC (0.37 mg/kg) and the proposed Superfund SSL (0.4 mg/kg). None of the samples contained arsenic at concentrations that exceed the FDEP cleanup goal (3 mg/kg). The background screening value for arsenic also exceeds 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 exceed the background screening value (0.14 mg/kg) and USEPA Region III RBC (0.15 mg/kg). Each of the four subsurface soil samples contained beryllium at concentrations that exceed the proposed Superfund SSL (0.1 mg/kg). Only one sample contained concentrations of beryllium above the FDEP cleanup goal of (0.2 mg/kg). The background screening value for beryllium exceeds the proposed Superfund SSL and FDEP cleanup goal, but not the USEPA Region III RBC.

Groundwater. None of the SVOCs (phthalates) detected in groundwater samples collected from SWMU 26 monitoring wells exceed the bench mark values (Table 2-11). However, five of the inorganic analytes (antimony, magnesium, manganese, sodium, and thallium) exceed bench mark values. Antimony was detected as a

single occurrence at a concentration (5.2 $\mu g/\ell$) that exceeds the USEPA Region III RBC (1.5 $\mu g/\ell$), but was less than the Florida guidance concentration (6 $\mu g/\ell$), which is a Federal and State promulgated standard.

Magnesium was detected in each of the four SWMU 26 groundwater samples and duplicate at concentrations that exceed the USEPA Region III RBC (118,807 $\mu g/\ell$). Currently, there is not an established Florida guidance concentration for magnesium.

Manganese was detected in each of the four SWMU 26 groundwater samples and duplicate at concentrations that exceed the USEPA Region III RBC (18 $\mu g/\ell$) and the Florida guidance concentration (50 $\mu g/\ell$).

Sodium was detected in each of the four SWMU 26 groundwater samples and the duplicate. Three of the groundwater samples and the duplicate contained concentrations of sodium that exceed the USEPA Region III RBC (396,022 $\mu g/\ell$). Currently, there is not an established Florida guidance concentration for sodium.

Thallium was detected as a single occurrence at a concentration (1.4 $\mu g/\ell$) that exceeds the USEPA Region III RBC (0.29 $\mu g/\ell$), but did not exceed the Florida guidance concentration (2 $\mu g/\ell$), which is a Federal and State promulgated standard.

Groundwater samples collected from three monitoring wells (MPT-2-MW09S, MPT-2-MW10S, and MPT-2-MW13S) located hydraulically upgradient from SWMU 26 (Figure 2-2) also contained antimony, magnesium, manganese, and sodium (Table 2-12). Thallium was not detected in the groundwater samples collected from the three upgradient monitoring wells (MPT-2-MW09S, MPT-2-MW10S, and MPT-2-MW13S). The concentrations of the four inorganic analytes (antimony, magnesium, manganese, and sodium) in the upgradient wells also exceed the same bench mark values as the SWMU 26 groundwater samples. SWMU 26 does not appear to be the source of antimony, magnesium, manganese, or sodium at the concentrations detected in the groundwater samples. It is more likely that these analytes are related to placing the slurry of dredge materials and sea or brackish water into the eastern dredge spoil basin (SWMU 50) during maintenance dredging of the Mayport Turning Basin or the leaching of metals from landfill SWMUs 2 and 3. The eastern dredge spoil basin (SWMU 50) and landfill SWMUs 2 and 3 are located approximately 600 feet hydraulically upgradient of SWMU 26.

2.5 CONCLUSIONS AND RECOMMENDATIONS

2.5.1 Conclusions

Surface and Subsurface Soil. Concentrations of VOCs (acetonitrile, chloroform, 2-butanone, toluene, and xylenes), SVOCs (di-n-butylphthalate and bis(2-ethylhexyl)phthalate), metals (arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc) and cyanide were detected in surface and subsurface soil samples collected at SWMU 26 (Tables 2-4 and 2-5). Pesticides and PCBs were not detected in the surface and subsurface soil samples. The detected concentrations of VOCs and SVOCs do not exceed any of the human health based risk screening values and, therefore, do not warrant further investigation (Tables 2-6 and 2-7). Concentrations of arsenic and beryllium exceed human health based risk bench mark values that represent a lifetime excess cancer risk

of 10^{-6}. Arsenic, though not detected in the background surface soil samples, was detected in the background subsurface soil samples and beryllium was detected in both the surface and subsurface background soil samples. Background screening values for these analytes also exceed one or more of the bench mark values. It should also be noted that beryllium was not detected in the groundwater samples and arsenic was detected as a single occurrence in the groundwater samples and not determined to be a CPC. However, the potential risk associated with concentrations of arsenic and beryllium that were detected is within a range (10^{-4} to 10^{-6}) that is considered by the USEPA to be protective of human health (40 CFR Part 300) (see Tables C-1 and C-2, Appendix C).

Because the land features at NAVSTA Mayport are a result of the deposition of dredge material from the Mayport Turning Basin, it cannot be determined whether the concentrations of arsenic and beryllium are related to a release at SWMU 26, or are residual concentrations from the dredge material.

Groundwater. VOCs, pesticides, PCBs, or cyanide were not detected in the groundwater samples collected from the SWMU 26 monitoring wells. Target analytes detected in the groundwater samples collected from SWMU 26 consist of two SVOCs (di-n-butylphthalate and bis(2-ethylhexyl)phthalate) and 12 metals (antimony, arsenic, barium, calcium, iron, lead, magnesium, manganese, selenium, sodium, thallium, and zinc) (Tables 2-9 and 2-10). None of the phthalates detected in the SWMU 26 groundwater samples exceed the bench mark values (Table 2-11). However, five of the inorganic analytes (antimony, magnesium, manganese, sodium, and thallium) were detected at concentrations that exceed bench mark values. The State of Florida promulgated water quality standard for manganese also was exceeded. Thallium was detected at a concentration that was less than the FDEP guidance concentration.

Groundwater samples collected from three monitoring wells (MPT-2-MW09S, MPT-2-MW10S, and MPT-2-MW13S) located hydraulically upgradient from SWMU 26 (Figure 2-2) also contained concentrations of antimony, magnesium, manganese, and sodium (Table 2-12). Thallium was not detected in these groundwater samples. The concentrations of the four inorganic analytes (antimony, magnesium, manganese, and sodium) also exceed the same bench mark values as the SWMU 26 groundwater samples. It is likely that these analytes are related to placing the dredge materials into the eastern dredge spoil basin (SWMU 50) during maintenance dredging of the Mayport Turning Basin or the leaching of metals from landfill SWMUs 2 and 3.

2.5.2 Recommendations SWMU 26 is recommended for no further investigation at this time based on the following rationale.

- Anecdotal evidence suggests only inert construction materials were disposed at SWMU 26.

- No pesticides or PCBs were detected in the surface or subsurface soil samples at SWMU 26.

- VOCs (acetonitrile, chloroform, 2-butanone, toluene, and xylenes) and SVOCs (di-n-butylphthalate and bis(2-ethylhexyl)phthalate) were detected in surface and subsurface soil samples at concentrations less than the human health based bench mark values.

- Inorganic analytes (arsenic and beryllium) were detected in soil samples at concentrations within a range of potential risk (10^{-4} to 10^{-6}) considered by the USEPA as protective of human health (40 CFR Part 300). Arsenic and beryllium were not determined to be CPCs in the groundwater.

- Inorganic analytes detected in the surface and subsurface soil samples are likely related to the deposition of dredge spoil material, and may not represent disposal of hazardous materials.

- VOCs, pesticides, PCBs, or cyanide were not detected in the groundwater samples collected from the SWMU 26 monitoring wells.

- The two phthalate compounds (di-n-butylphthalate, and bis(2-ethylhexyl)-phthalate) detected in the SWMU 26 groundwater samples do not exceed the human health based bench mark values.

- SWMU 26 does not appear to be the source of the four inorganic analytes (antimony, magnesium, manganese, sodium, and thallium) that were detected at concentrations exceeding some of the human health bench mark values. In addition, groundwater in the vicinity of SWMU 26 is being assessed in the RFI for the Group I SWMUs.

  The default assumptions used in estimating risk based bench mark concentrations may not be representative and likely to overstate the specific exposure present at the site (i.e., underestimate the concentration that would result in a lifetime excess cancer risk of 10^{-6}). Because the chemicals were detected in only one of two media (i.e., soil and or groundwater) all of the exposure pathways and assumptions used to estimate the bench mark concentrations are not relevant. Therefore, the concentrations of chemicals may exceed the bench mark values (USEPA, 1994, USEPA, 1995, and FDEP, 1995) but actually result in lower excess cancer risk than 10^{-6}.

3.0 SWMU 49, FLIGHT LINE RETENTION PONDS

3.1 SITE DESCRIPTION AND BACKGROUND. The Flight Line Retention Ponds (SWMU 49) are located approximately 1,000 feet north of the eastern dredge spoil disposal area (SWMU 50) (Figure 1-3). SWMU 49 consists of two ponds located on the north side of the Patrol Road and to the south of an aircraft wash rack (Building 1611). The ponds were constructed at the same time that the flight operation facilities were constructed in 1985 (A.T. Kearney, 1989). The land use of the watershed above the Flight Line Retention Pond is highly developed with hangars, flight line aprons, aircraft maintenance facilities, administrative buildings, roadways, and parking lots. Much of this watershed is covered with impervious materials and substantial runoff is likely to be generated during rain events. The retention ponds were constructed to manage runoff and mitigate adverse effects, if any, from runoff received from developed areas in the drainage of the Flight Line Retention Ponds. The western retention pond is located within a fenced area and is not accessible for recreational use. The eastern pond is not fenced and is too small to be viable for recreational fishing.

SWMU 49 collects runoff from the flight operations area southeast of the main runway through a conveyance system of underground stormwater collection conduits and associated drains and open ditches. The watershed that drains into the ponds includes the aircraft parking apron, taxiways, wash racks, Building 1552, vehicle roadways, and parking lots (Figure 3-1). Both ponds are excavated from land surface to a depth of approximately 2 feet below mean sea level (msl).

The eastern pond is approximately 9,000 square feet in area. Three stormwater sewer influent points are located at the eastern pond. Two of the stormwater influent points are located on the north side of the pond and serve two adjacent automobile parking lots and adjacent landscaped areas. These two stormwater culverts are 24 and 36 inches in diameter. A third stormwater influent point is located on the southeast side of the pond and serves landscaped areas adjacent to buildings and parking lots. A 36-inch-diameter culvert is located at the northwestern end of the pond and discharges into the adjacent western pond.

The western pond is irregular in shape with an area of approximately 75,000 square feet. Three stormwater influent points are located at the north and northeast sides of the pond. The northernmost influent points consist of two parallel 48-inch-diameter storm sewers serving the helicopter fly-up rinse area adjacent to the western taxiway. Also on the north side of the pond is a storm sewer influent point located in a narrow cove, which receives drainage from the taxiway and aircraft parking apron. The influent consists of two parallel, 42-inch-diameter storm sewers. The third influent point is located near the northeastern corner of the pond. It consists of a single 18-inch diameter culvert that receives drainage from the helicopter wash rack area located next to the pond.

The western pond discharges into the drainage ditch that parallels Patrol Road to the south through a 36-inch diameter, doubled-barrel culvert located under Patrol Road. The drainage ditch is tidally influenced. A weir, located on the upstream side of the 36-inch double-barrel culverts, maintains the water level in the eastern and western ponds and limits the flow from the ponds to the drainage ditch. The flow direction in the drainage ditch at low tide stages is generally to the south where it empties into Sherman Creek and Chicopit Bay.

The RFA identified the Flight Line Retention Ponds as an SWMU because a fire-fighting extinguishing material called aqueous film forming foam (AFFF) had been discharged to the watershed and rinsate from the aircraft wash rack could be discharged to the ponds by a malfunctioning valve. Runoff from the aircraft maintenance area also discharges to the ponds (A.T. Kearney, 1989). There are no engineered controls such as oil-water separators to minimize the impact of drainage from the areas served by these culverts and associated drainage systems.

The RFA recommended a determination as to whether AFFF indeed contains Appendix IX (40 CFR 264) hazardous constituents. Currently, it is not known if AFFF contains Appendix IX constituents. Material Safety Data Sheets (MSDS) on AFFF are provided in Appendix D. AFFF is a fluorocarbon surfactant with excellent foaming characteristics that is moderately to extremely toxic (high chemical oxygen demand [COD]) to most organisms (A.T. Kearney, 1989). The high COD could present a threat to biological organisms in the ponds by reducing the level of oxygen. The RFA also recommended that sediment samples be collected from the ponds and the drainage ditch into which the ponds discharge.

3.2 RFA SV FIELD INVESTIGATIONS. Based on recommendations of the RFA, surface water and sediment sampling was conducted to assess a possible release to the environment at SWMU 49 and to collect surface water and sediment samples to evaluate these media as potential exposure pathways near stormwater discharge points within the ponds.

Two surface water and six sediment samples, with duplicates and quality assurance and quality control (QA/QC) samples, were collected from SWMU 49 in April 1992. These sample locations are presented on Figure 3-1. Sediment samples were collected on the downstream side of inlet structures where offsite contaminants would be expected to accumulate. Surface water samples were collected upstream of exit structures where floating oil and grease or suspended solids might accumulate. Sample locations were chosen to bias the sampling towards areas most likely to be contaminated based on existing site knowledge and observed runoff patterns.

Based on the findings of the April 1992 RFA SV, additional surface water and sediment sampling was conducted at SWMU 49 on August 2 and September 12, 1994. The surface water and sediment samples were collected to assess whether hazardous constituents were present in the surface water and/or sediment and to confirm whether the contaminants in the area of the culvert outfall near sediment sample MPT-49-SD02 are of limited lateral extent. The following describes the sampling locations at the western and eastern ponds of SWMU 49 (Figure 3-2).

Because many field activities are common to all NAVSTA Mayport SWMUs, the sampling procedures for RFI and RFA SV (Confirmatory Sampling) events are described in Section 2.1, Summary of Exploration and Sampling Program, of the NAVSTA Mayport GIR (ABB-ES, 1995b). Site-specific elements and deviations from sampling procedures, if any, particular to SWMU 49 are discussed in subsequent paragraphs, and standard operating procedures are referenced where necessary. Surface water and sediment sampling procedures and associated equipment decontamination procedures were conducted in general conformance with USEPA Region IV standard operating procedures (USEPA, 1991a).

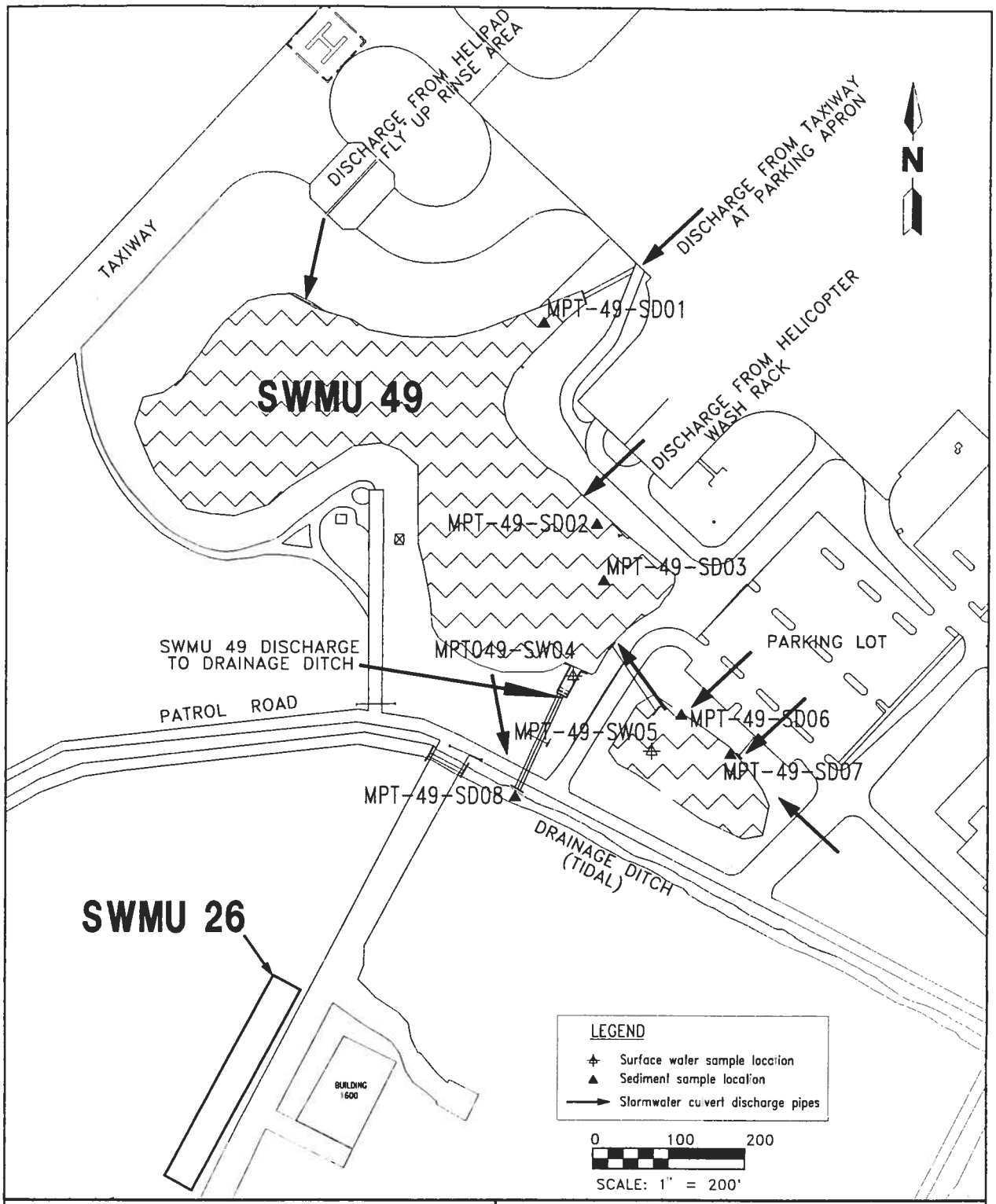

FIGURE 3-1

1992 SAMPLING LOCATIONS AT SWMU 49, FLIGHT LINE RETENTION PONDS

000300/GLC/4-5-95

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

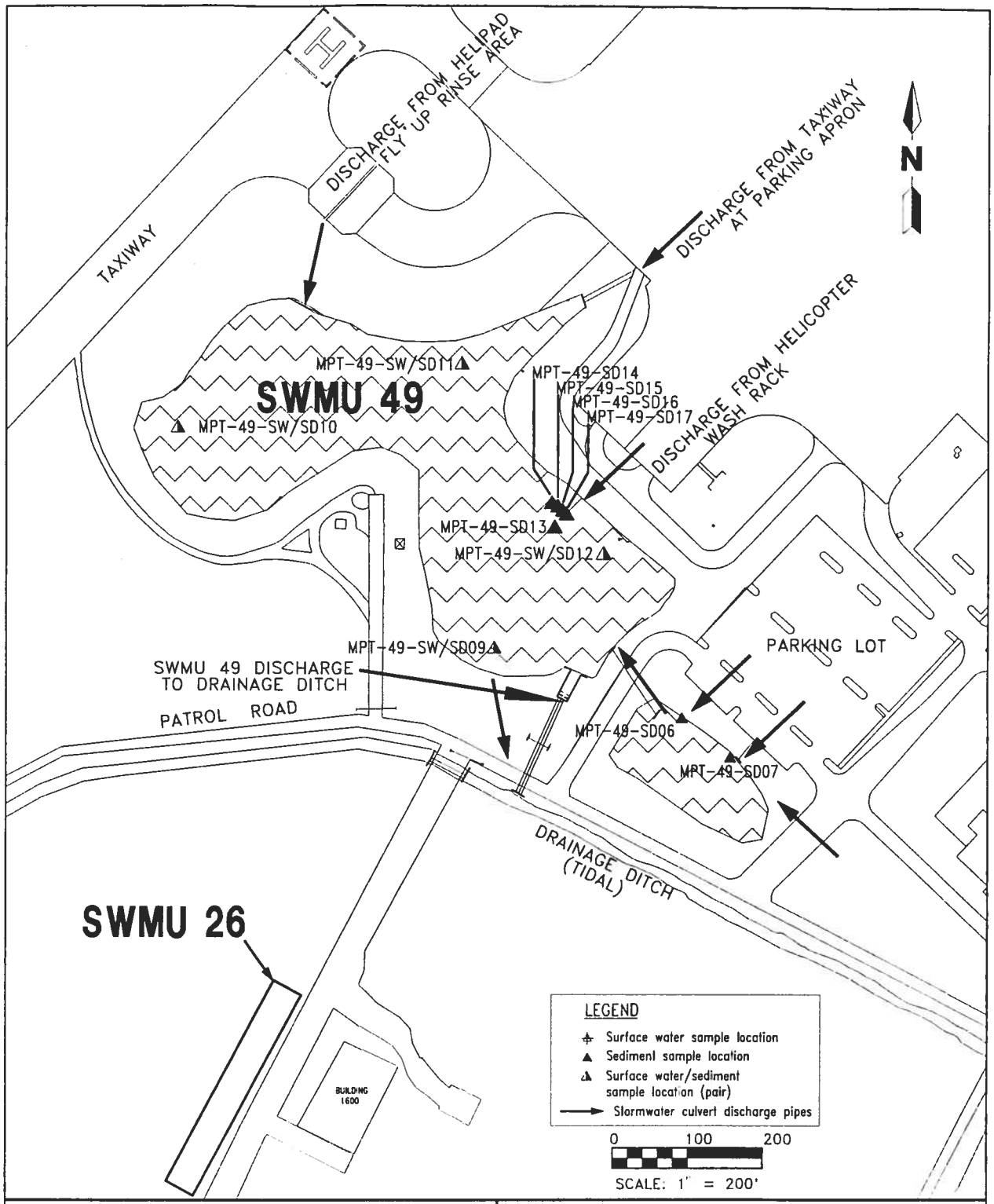

FIGURE 3-2

1994 SURFACE WATER AND SEDIMENT SAMPLING LOCATIONS AT SWMU 49, FLIGHT LINE RETENTION PONDS

H:\9500\000300\GLC\4-7-95

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

Surface Water and Sediment Sample Collection Procedure. Surface water and sediment sampling was accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991) and Subsection 2.1.3, Surface Water, Sediment, and Sludge Sampling, presented in the GIR.

Western Pond. Five sediment samples, without a corresponding surface water sample, were collected near sediment sample MPT-49-SD02, located at the discharge culvert for the helicopter wash rack. Four surface water and sediment sample pairs also were collected, one near the discharge culvert for the helicopter wash rack, one near the entrance to the discharge culvert to the patrol road drainage ditch, one near the cove that leads from the discharge from the taxiway and parking apron, and one at the northwestern part of the west pond in an area away from the discharge culverts.

Eastern Pond. Two sediment samples, without corresponding surface water samples, were collected from the easternmost retention pond in the immediate vicinity of the culvert on the north bank (Figure 3-2).

Laboratory Analysis. Surface water and sediment samples were analyzed for the same target analytes including VOCs, SVOCs, pesticides, PCBs, metals, and cyanide selected from the groundwater monitoring list contained in Appendix IX, 40 CFR 264 and USEPA Contract Laboratory Program target compound list and target analyte list. The analysis was conducted using methods from Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW846) (USEPA, 1986). A list of the target analytes is provided in Appendix A. Analytical results for each sample from the 1992 sampling event were presented in the RFA SV Report, Phase 1 (ABB-ES, 1992c), and results from the 1994 sampling event are provided in Appendix B.

Exceptions. Surface water and sediment samples collected during 1992 were only analyzed for SVOCs, pesticides, PCB, metals, and cyanide. The two sediment samples collected from the eastern pond during the 1994 sampling event were analyzed only for pesticides.

3.3 FINDINGS

The following presents a brief description of the surface water and sediment analytical results from the RFA SV sampling activities at SWMU 49.

Surface Water Samples. Table 3-1 summarizes water quality parameters for samples collected during 1994. No water quality parameter measurements were performed for surface water samples collected in 1992. Table 3-2 summarizes the validated analytical results for inorganic target analytes detected in surface water samples collected during 1992 at SWMU 49. Table 3-3 summarizes the validated analytical results for inorganic target analytes detected in surface water samples collected during 1994 at SWMU 49. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Table 3-4. The target analytes detected in the environmental samples were compared to station wide background surface water samples (ABB-ES, 1995b), and bench mark values from ambient water quality from the Office of Science and Technology, Health and Ecological Criteria Division, Washington D.C., May 1, 1991 (USEPA, 1991b), and Class III marine water quality standards (Chapter 62-302, Florida Administrative Code [FAC], 1995).

Table 3-1
Water Quality Parameters for SWMU 49 Surface Water Samples

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:		M7646	M7646	M7646	M7646	Class III Marine Surface Water Standards 17-302.530 FAC
Sample Matrix:		Surface Water	Surface Water	Surface Water	Surface Water	
Sample Location:		MPT-49-SW09	MPT-49-SW10	MPT-49-SW11	MPT-49-SD12	
Sample No.:		49SW009	49SW010	MPT49SW011	49SW012	
Date Sampled:		08/02/94	08/02/94	08/02/94	08/02/94	
Common Name	Units	Conc.	Conc.	Conc.	Conc.	Conc.
Alkalinity as $CaCO_3$	mg/ℓ	166	150	150	146	> 20
Ammonia-nitrogen	mg/ℓ	0.3	< 0.3	< 0.3	< 0.3	--
Chloride	mg/ℓ	525	525	512	532	< 10% of Background
Color	APHA	100	70	70	70	--
Hardness as $CaCO_3$	mg/ℓ	317	288	308	308	--
Nitrate + nitrite nitrogen	mg/ℓ	< 0.1	< 0.1	< 0.1	<0.1	--
Phosphorous P, total	mg/ℓ	0.31	0.22	0.25	0.34	--
Sulfate	mg/ℓ	57.7	65.1	55.8	61.8	--
Sulfide	mg/ℓ	24.7	< 1.0	< 1.0	< 1.0	--
Total Kjeldahl nitrogen	mg/ℓ	2.6	3.2	106	2.3	--
pH	SU	7.8	8.2	8.5	8.4	6.5 to 8.5

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
FAC = Florida Administrative Code.
Conc. = concentration.
$CaCO_3$ = calcium carbonate.
mg/ℓ = milligrams per liter.
% = percent.
APHA = American Public Health Association.
SU = standard unit.

Table 3-2
Inorganic Analytes Detected in Surface Water Samples at SWMU 49, 1992

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:			21528		21528		21528	
Sample Matrix:			Water		Water		Water	
Sample Location:			MPT-49-SW04		MPT-49-SW04		MPT-49-SW05	
Sample No.:			MPT49SW41		MPT49SW41Dup		MPT49SW51	
Date Sampled:			04/22/92		04/22/92		04/22/92	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
7440-36-0	Antimony	(μg/ℓ)	--		--		14	J
7440-39-3	Barium	(μg/ℓ)	6.8	J	7.4	J	10.9	J
7440-47-3	Chromium	(μg/ℓ)	--		2.6	J	3.5	J
7440-92-1	Lead	(μg/ℓ)	20.2	J	15.6	J	14.9	J
7440-02-0	Nickel	(μg/ℓ)	--		--		3.9	J
7440-62-2	Vanadium	(μg/ℓ)	2.4	J	3.4	J	4.8	J

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = a duplicate sample of the corresponding environmental sample.

Conc. = concentration.
Qual. = qualifier.
μg/ℓ = micrograms per liter.
J = qualifier indicating estimated value.
-- = analyte not detected.

Table 3-3
Inorganic Analytes Detected in Surface Water Samples at SWMU 49, 1994

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Sample Delivery Group No.:	M7645	M7645	M7645	M7645
Sample Matrix:	Surface Water	Surface Water	Surface Water	Surface Water
Sample Location:	MPT-49-SW09	MPT-49-SW010	MPT-49-SW11	MPT-49-SW12
Sample Number:	49SW009	49SW010	49SW011	49SW012
Sample Date:	02-AUG-94	02-AUG-94	02-AUG-94	02-AUG-94
Volatile Organic Compounds (μg/ℓ)				
None detected				
Semivolatile Organic Compounds (μg/ℓ)				
None detected				
Pesticides and PCBs (μg/ℓ)				
None detected				
Inorganics (μg/ℓ)				
Antimony	--	2.4 J	2.6 J	--
Arsenic	1.7 J	6.8 J	2.9 J	1.4 J
Barium	18.4 J	35.6 J	12 J	15 J
Beryllium	--	0.88 J	--	--
Cadmium	--	6 J	--	--
Chromium	2.1 J	14.1 J	--	--
Copper	12.4 J	18.4 J	--	--
Lead	4.1 J	34.2 J	--	--
Mercury	--	0.23	--	--
Nickel	78.6 J	17.6 J	--	--
Vanadium	4.8 J	29 J	3.4 J	3.3 J
Zinc	38	164	--	--
Cyanide	--	0.33 J	--	--

Notes: μg/ℓ = micrograms per liter.
PCBs = polychlorinated biphenyls.
-- = analyte not detected.
J = qualifier indicating estimated value.

Table 3-4
Chemicals of Potential Concern (CPCs) in Surface Water Samples at SWMU 49

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Ambient Water Quality Criteria[5]		Class III Marine Surface Water Standards[6]	Analyte CPC? (Yes/No)	Reason[7]
						For Protection of Aquatic Life: Acute/Chronic	For Protection of Human Health			
Volatiles (µg/ℓ)										
No Analytes Detected										
Semivolatiles (µg/ℓ)										
No Analytes Detected										
Pesticides/PCBs (µg/ℓ)										
No Analytes Detected										
Inorganics (µg/ℓ)										
Antimony	3/6	2.2 to 10.9	2.4 to 14	6.3	77.6	[8]1,500/500	45,000	4,300	No	B
Arsenic	4/6	9.4 to 9.4	1.4 to 6.8	3.2	6.2	[9]69/36	0.0175	[9]50	Yes	
Barium	6/6	NR	7.1 to 35.6	15.6	22.6	NA/NA	NA	NA	Yes	
Beryllium	1/6	0.18-0.19	0.88	0.88	ND	NA/NA	0.0641	0.13	Yes	
Cadmium	1/6	2.9 to 3	6	6	3.2	43/9.3	NA	9.3	No	A, M
Chromium	4/6	2 to 2	1.8 to 14.1	5.4	5	[11]1,100/50	[10]3,433,000	[11]50	No	A, H, M
Copper	2/6	4 to 16	12.4 to 18.4	15.4	27.4	2.9/NA	NA	2.9	No	B
Lead	4/6	2 to 2	4.1 to 34.2	17.8	2.6	220/8.5	NA	5.6	Yes	
Mercury	1/6	0.04 to 0.16	0.23 to 0.23	0.23	ND	2.1/0.025	0.146	0.25	Yes	
Nickel	3/6	3.8 to 7.3	3.9 to 78.6	28.8	26	75/8.3	100	8.3	Yes	
Vanadium	6/6	NR	2.9 to 2.9	8	8	NA/NA	NA	NA	Yes	
Zinc	2/6	6 to 29.2	38 to 164	101	4	95/86	NA	86	Yes	
Cyanide	1/6	0.32 to 1.8	0.33	0.33	3	1/NA	NA	1	No	B

See notes on next page.

Table 3-4 (Continued)
Chemicals of Potential Concern in Surface Water Samples at SWMU 49

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Ambient Water Quality Criteria[5]		Class III Marine Surface Water Standards[6]	Analyte CPC? (Yes/No)	Reason[7]
						For Protection of Aquatic Life: Acute/Chronic	For Protection of Human Health			

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit 0or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified as "J"; it does not include those samples where the analyte was not detected ("U," or "UJ" qualifiers) and rejected ("R" qualifier.)
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] Values are taken from U.S. Environmental Protection Agency (USEPA) Water Quality Criteria Summary, Office of Science and Technology, Health and Ecological Criteria Division, Washington, D.C., May 1, 1991.
[6] Values are taken from Surface Water Quality Standards, Florida Administrative Code, Chapter 62-302, amended January 1995.
[7] Analytes were included or excluded from the risk assessment for the following reasons:
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations
A = the maximum detected concentration did not exceed the Ambient Water Quality Criteria for the Protection of Marine Aquatic organisms and the analyte will not be considered further.
H = the maximum detected concentration did not exceed the Ambient Water Quality Criteria for the Protection of Human Health from the ingestion of fish and the analyte will not be considered further.
M = the maximum detected concentration did not exceed the Marine Surface Water (Class III) Surface Water Quality Standards and the analyte will not be considered further.
[8] Proposed criteria.
[9] The value is based on the trivalent form of arsenic.
[10] The value is based on chromium trivalent form.
[11] The value is based on chromium hexavalent form.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 49SW41; 49SW51; 49SW009; 49SW010; 49SW11; and 49SW12.
Duplicate sample location includes: 49SW41DUP.
Background sample locations include: MPT-B-SW1; MPT-B-SW2; MPT-B-SW3; MPT-B-SW4; MPT-B-SW5; MPTB-SW6; MPT-b-SW7 and OOSW001.
Duplicate background sample locations include: MPT-B-SW3DUP; and MPT-B-SW7DUP.

µg/kg = micrograms per kilograms.
PCBs = polychlorinated biphenyls.
NA = not available.
ND = not detected in any background samples.
NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.

Because a different set of target analytes was measured in surface water samples collected in 1992 and 1994, the following presents a description of the target analytes that were detected during each sampling event.

Surface Water Sampling Event, 1992. During April 1992 two surface water samples were collected, one each from the west and east ponds. No organic compounds (VOCs, SVOCs, pesticides, or PCBs) were detected in the surface water samples. Six inorganic analytes (antimony, barium, chromium, lead, nickel, and vanadium) were detected in surface water samples collected at SWMU 49 (Table 3-2). Barium, chromium, lead, and nickel were detected in the sample collected from the west pond. Each of the six analytes were detected in the sample collected near the upstream side of the outfall where it discharges from the western pond to the drainage ditch along the south side of Patrol Road.

Surface Water Sampling Event, 1994. The results of water quality measurements for the 1994 samples are provided in Table 3-1. The sample collected near the upstream side of the outfall of the western pond to the drainage ditch along Patrol Road appears to exhibit a slight difference in water quality parameters from the other sample locations. The western and eastern ponds could be classified as Class III, predominantly freshwater bodies, and the drainage ditch into which the ponds discharge could be classified as a Class III, predominantly marine water body.

During August 1994, four surface water samples were collected from the western pond. No organic compounds (VOCs, SVOCs, pesticides, or PCBs) were detected in the surface water samples. Surface water sample MPT-49-SW09, collected near the outfall of the western pond to the drainage ditch along Patrol Road, contained eight metals (arsenic, barium, chromium, copper, lead, nickel, vanadium, and zinc). Surface water sample MPT-49-SW10, collected in the west part of the western pond, contained 12 metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, nickel, vanadium, and zinc) and cyanide. Surface water sample MPT-49-SW11, collected at the cove that leads from the drainage culvert from the taxiway and aircraft parking area, contained four metals (antimony, arsenic, barium, and vanadium), and surface water sample MPT-49-SW12 contained three metals (arsenic, barium, and vanadium).

Sediment Samples. Tables 3-5, 3-6, and 3-7 summarize the validated analytical results for SVOCs, pesticides, and inorganic target analytes detected in sediment samples collected during 1992 at SWMU 49. Table 3-8 summarizes the validated analytical results for VOCs, SVOCs, and pesticides and Table 3-9 summarizes inorganic target analytes detected in sediment samples collected during 1994 at SWMU 49. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Table 3-10. The target analytes detected in the environmental samples were compared to station wide background sediment samples (ABB-ES, 1995b) and bench mark values from effects range-low (ER-L) and effects range-median (ER-M) values from *The Potential for Biological Effects of Sediment-sorbed Contaminants Tested in the National Status and Trends Program*, National Oceanic and Atmospheric Administration (NOAA) (Long and others, 1993), and threshold effects level (TEL) and probable effects level (PEL) from *Approach to the Assessment of Sediment Quality in Florida Coastal Waters*, MacDonald Environmental Sciences, Ltd. (MacDonald, 1994).

Table 3-5
Semivolatile Organic Analytes Detected in Sediment Samples at SWMU 49, 1992

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:			21528		21528		21528		21528		21528	
Sample Matrix:			Sediment		Sediment		Sediment		Sediment		Sediment	
Sample Location:			MPT-49-SD02		MPT-49-SD07		MPT-49-SD06		MPT-49-SD8		MPT-49-SD8	
Sample No.:			MPT49SD21		MPT49SD71		MPT49SD61		MPT-49-SD-81		MPT-49-SD-81Dup	
Date Sampled:			04/22/92		04/22/92		04/22/92		04/22/92		04/22/92	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
91-20-3	Naphthalene	µg/kg	16,000		--		--		--		--	
91-57-6	2-Methylnaphthalene	µg/kg	1,300	J	--		--		--		--	
206-44-0	Fluoranthene	µg/kg	370	J	49	J	--		54	J	--	
129-00-0	Pyrene	µg/kg	320	J	52	J	--		56	J	--	
85-68-7	Butylbenzylphthalate	µg/kg	510	J	--		--		--		970	
117-81-7	bis(2-Ethylhexyl)phthalate	µg/kg	26,000	J	420		600	J	--		--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = a duplicate sample to the corresponding environmental sample.

Conc. = concentration.
Qual. = qualifier.
µg/kg = micrograms per kilogram.
-- = analyte not detected.
"J" = estimated value.

Table 3-6
Pesticides and Polychlorinated Biphenyls (PCBs) Detected in Sediment Samples at SWMU 49, 1992

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:			21528		21528		21528	
Sample Matrix:			Sediment		Sediment		Sediment	
Sample Location:			MPT-49-SD07		MPT-49-SD08		MPT-49-SD08	
Sample No.:			MPT49SD71		MPT49SD81		MPT49SD81Dup	
Date Sampled:			04/22/92		04/22/92		04/22/92	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
76-44-8	Heptachlor	µg/kg	51		--		--	
72-55-9	4,4'-DDE	µg/kg	--		11	J	2.6	J
72-54-8	4,4'-DDD	µg/kg	38	J	8	J	--	
57-74-09	Chlordane	µg/kg	730		--		--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = a duplicate sample to the corresponding environmental sample.

Conc. = concentration.
Qual. = qualifier.
µg/kg = micrograms per kilogram.
-- = analyte not detected.
"J" = estimated value.

Table 3-7
Inorganic Analytes Detected in Sediment Samples at SWMU 49, 1992

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:			21528		21528		21528		21528		21528		21528		21528	
Sample Matrix:			Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Sample Location:			MPT-49-SD01		MPT-49-SD02		MPT-49-SD03		MPT-49-SD06		MPT-49-SD07		MPT-49-SD08		MPT-49-SD08	
Sample No.:			MPT49SD11		MPT49SD21		MPT49SD31		MPT49SD61		MPT49SD71		MPT49SD81		MPT49SD81 Dup	
Date Sampled:			04/22/92		04/22/92		04/22/92		04/22/92		04/22/92		04/22/92		04/22/92	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
7440-36-0	Antimony	mg/kg	--		12.7	J	--		--		--		--		--	
7440-38-2	Arsenic	mg/kg	2.7	J	2.8	J	0.44	J	8.7		1	J	0.85	J	0.4	J
7440-39-3	Barium	mg/kg	11.4	J	29	J	2.8	J	14.3	J	6.9	J	4.3	J	5.3	J
7440-41-7	Beryllium	mg/kg	0.4	J	--		--		0.68	J	0.11	J	0.09	J	0.06	J
7440-43-9	Cadmium	mg/kg	--		9		--		--		--		--		--	
7440-47-3	Chromium	mg/kg	12.2		32.9		--		20		17.6		3.9		4.4	
7440-48-4	Cobalt	mg/kg	2.1	J	1.5	J	--		3.9	J	--		1.1	J	--	
7440-50-8	Copper	mg/kg	7.6	J	49.7		2.2	J	17		11.8		3.4	J	5.3	J
7440-92-1	Lead	mg/kg	5.8	J	76	J	2.3	J	23.8	J	13.3	J	2.7	J	3.4	J
7440-02-0	Nickel	mg/kg	8	J	14.3		2.9	J	9.3	J	13.4		1.9	J	1.9	J
7440-49-2	Selenium	mg/kg	0.47	J	0.6	J	--		--		--		--		--	
7440-22-4	Silver	mg/kg	--		1.3	J	--		--		--		--		--	
7440-62-2	Vanadium	mg/kg	12.5	J	3.3	J	1.5	J	22.6		4.3	J	3.4	J	2.5	J
7440-66-6	Zinc	mg/kg	34		97.5		10.1		52.3		26.8		107		19	
5955-70-0	Cyanide	mg/kg	--		1.2	J	--		--		0.82	J	0.9	J	0.33	J

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = a duplicate sample to the corresponding environmental sample.

Conc. = concentration.
Qual. = qualifier.
mg/kg = milligrams per kilogram.
-- = analyte not detected.
"J" = estimated value.

Table 3-8
Organic Analytes Detected in Sediment Samples Collected at SWMU 49, 1994

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

Analytical Batch No.:	R8730	R8730	R8730	R8730	R8730
Sample Matrix:	Sediment	Sediment	Sediment	Sediment	Sediment
Location No.:	MPT-49-SD014	MPT-49-SD015	MPT-49-SD016	MPT-49-SD017	MPT-49-SD017
Sample No.:	49SD014	49SD015	49SD016	49SD017	49SD017Dup
Date Sampled:	12-SEP-94	12-SEP-94	12-SEP-94	12-SEP-94	12-SEP-94
VOCs (µg/kg)					
Acetone	--	--	--	--	--
Carbon disulfide	--	--	4 J	13	11 J
2-Butanone	--	--	--	--	--
Acetonitrile	--	--	--	--	16 J
SVOC (µg/kg)					
bis(2-Ethylhexyl)phthalate	94 J	460 J	--	440 J	180 J
Pesticides and PCBs (µg/kg)					
4,4-DDE	1.2	--	1.8	--	--
4,4-DDD	--	--	1.4 J	--	--

See notes at the end of table

Table 3-8 (Continued)
Organic Analytes Detected in Sediment Samples Collected at SWMU 49, 1994

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

Analytical Batch No.:	M7645	M7645	M7645	M7645	R873
Sample Matrix:	Sediment	Sediment	Sediment	Sediment	Sediment
Location No:	MPT-49-SD009	MPT-49-SD010	MPT-49-SD011	MPT-49-SD012	MPT-49-SD013
Sample Number:	49SD009	49SD010	49SD011	49SD012	49SD013
Date Sampled:	02-AUG-94	02-AUG-94	02-AUG-94	02-AUG-94	12-SEP-94
VOCs (μg/kg)					
Acetone	230 J	240 J	--	510 J	--
Carbon disulfide	30	56	18	58	--
2-Butanone	20 J	33 J	15 J	64 J	--
Acetonitrile	--	--	--	--	--
SVOCs (μg/kg)					
bis(2-Ethylhexyl)phthalate	--	--	--	--	110 J
Pesticides and PCBs (μg/kg)					
4,4-DDE	2.8 J	2.4	8.7	9.1	1.4
4,4-DDD	--	--	--	--	--

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = a duplicate sample to the corresponding environmental sample.

SWMU = solid waste management unit.
VOCs = volatile organic compounds.
μg/kg = micrograms per kilogram.
-- = analyte not detected.
"J" = estimated value.
SVOCs = semivolatile organic compounds.
PCBs = polychlorinated biphenyls.
DDE = dichlorodiphenyldichloroethene.
DDD = dichlorodiphenyldichloroethane.

Table 3-9
Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, 1994

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

Analytical Batch No.:	M7645	M7645	M7645	M7645	R873
Sample Matrix:	Sediment	Sediment	Sediment	Sediment	Sediment
Sample location:	MPT-49-SD009	MPT-49-SD010	MPT-49-SD011	MPT-49-SD012	MPT-49-SD013
Sample No.	49SD009	49SD010	49SD011	49SD012	49SD013
Date Sampled:	02-AUG-94	02-AUG-94	02-AUG-94	02-AUG-94	12-SEP-94
Soils (mg/kg)					
Antimony	2.3 J	1.6 J	2 J	1.7 J	--
Arsenic	4.5 J	6.2 J	10.8	6.9 J	.2 J
Barium	17 J	18 J	19.2 J	18.1 J	3.4 J
Beryllium	0.65 J	0.93 J	1.1 J	0.83 J	--
Cadmium	--	--	--	--	--
Chromium	23.4	28.3	31.8	24.9	4.4
Cobalt	3.1 J	3.2 J	6.9 J	3.6 J	--
Copper	11.9 J	7.4 J	45.7	11.9 J	--
Lead	22.9 J	14.2 J	21.9 J	22.9 J	--
Mercury	--	0.83	--	--	--
Nickel	56	--	70.6	7.8 J	--
Selenium	--	--	--	--	--
Silver	--	--	2.4 J	--	--
Thallium	--	--	--	--	--
Tin	8.8 J	9.2 J	10.9 J	10 J	3.6 J
Vanadium	23 J	29.6 J	37.9 J	26.6 J	3.1 J
Zinc	94.1	42.4	625	57.5	4.9 J
Cyanide	0.12 J	--	--	--	--

See notes at end of table.

Table 3-9 (Continued)
Inorganic Analytes Detected in Sediment Samples Collected at SWMU 49, 1994

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

Analytical Batch No.:	R8730	R8730	R8730	R8730	R8730
Sample Matrix:	Sediment	Sediment	Sediment	Sediment	Sediment
Location No.:	MPT-49SD-014	MPT-49-SD015	MPT-49-SD016	MPT-49-SD017	MPT-49-SD017
Sample No.:	49SD014	49SD015	49SD016	49SD017	49SD017DUP
Date Sampled:	12-SEP-94	12-SEP-94	12-SEP-94	12-SEP-94	12-SEP-94
Soils (mg/kg)					
Antimony	--	--	--	--	--
Arsenic	0.69 J	1.1 J	14.4	5.3	4.2 J
Barium	--	3.6 J	5.9 J	17 J	14.3 J
Beryllium	0.09 J	0.11 J	0.4 J	0.74 J	0.89 J
Cadmium	--	--	0.33 J	--	--
Chromium	1.9 J	5.9	8.6	31.5	33.3
Cobalt	--	--	0.94 J	--	--
Copper	--	--	--	--	37.7
Lead	--	--	2.2	10.9	10.3
Mercury	--	--	--	0.07 J	0.07 J
Nickel	--	--	--	--	73.2
Selenium	--	--	0.16 J	0.55 J	0.64 J
Silver	--	--	--	--	--
Thallium	--	0.21 J	0.32 J	0.31 J	--
Tin	--	--	--	6.8 J	--
Vanadium	1.6 J	3.9 J	15.5	38.3	40.3
Zinc	2.8 J	10.1	6.7	15.9	14.7
Cyanide	0.27 J	--	--	0.42 J	--

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = a duplicate sample to the corresponding environmental sample.

mg/kg = milligrams per kilogram.
-- = analyte not detected.
"J" = estimated value.

Table 3-10
Chemicals of Potential Concern (CPCs) in Sediment Samples at SWMU 49, 1994

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Long and Others		MacDonald		Analyte CPC (Yes/No)	Reason [9]
						ER-L[5]	ER-M[6]	TEL[7]	PEL[8]		
Volatiles (µg/kg)											
Acetone	3/9	20 to 100	230 to 510	327	ND	NA	NA	NA	NA	Yes	
Acetonitrile	1/9	130 to 450	73	73	ND	NA	NA	NA	NA	Yes	
2-Butanone	4/9	13 to 26	15 to 64	33	ND	NA	NA	NA	NA	Yes	
Carbon disulfide	6/9	6 to 7	4 to 58	29.7	51	NA	NA	NA	NA	Yes	
Semivolatiles (µg/kg)											
Butylbenzylphthalate	2/15	420 to 14,000	510 to 593	532	ND	NA	NA	NA	NA	Yes	
bis(2-Ethylhexyl) phthalate	10/15	890 to 14,000	86- 26,000	2,839	231	NA	NA	182	2,647	Yes	
Fluoranthene	3/15	420 to 14,000	49 to 370	184	ND	600	5,100	21.2	144	Yes	
2-Methylnaphthalene	1/15	420 to 14,000	1,300	1,300	ND	70	670	20.2	201	Yes	
Naphthalene	1/15	420 to 14,000	16,000	16,000	ND	160	2,100	86.7	544	Yes	
Pyrene	3/15	420 to 14,000	52 to 320	168	282	665	2,600	153	1,398	Yes	
Pesticides/PCBs (µg/kg)											
Chlordane	1/17	8.4 to 1200	730 to 730	730	ND	NA	NA	2.26	4.79	Yes	
4,4'-DDD	3/17	1.6 to 240	1.4 to 38	16.1	4.2	1.58	46.1	1.22	7.81	Yes	
4,4'-DDE	8/17	0.86 to 240	1.2 to 9.1	4.3	5.5	2.2	27	2.07	3.74	Yes	
Heptachlor	1/17	0.84 to 120	51	51	ND	NA	NA	NA	NA	Yes	

See notes at end of table.

Table 3-10 (Continued)
Chemicals of Potential Concern (CPCs) in Sediment Samples

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Long and Others		MacDonald		Analyte CPC (Yes/No)	Reason [9]
						ER-L[5]	ER-M[6]	TEL[7]	PEL[8]		
Inorganics (mg/kg)											
Antimony	5/15	1.3 to 3.7	1.6 to 12.7	4.1	ND	NA	NA	NA	NA	Yes	
Arsenic	15/15	NR	0.20 to 14.4	4.4	5.4	8.2	70	7.24	41.6	Yes	
Barium	14/15	1.7	2.8 to 29	12.2	14.6	NA	NA	NA	NA	Yes	
Beryllium	12/15	0.05 to 0.08	0.08 to 1.1	0.52	0.54	NA	NA	NA	NA	Yes	
Cadmium	2/15	0.25 to 2.4	0.33 to 9	4.7	1.14	1.2	9.6	0.676	4.21	Yes	
Chromium	14/15	2 to 2	1.9 to 32.4	17.8	15.2	81	370	52.3	160	No	L, M, N, P
Cobalt	9/15	0.78 to 1.6	0.8 to 6.90	2.9	4.8	NA	NA	NA	NA	Yes	
Copper	11/15	1 to 2.8	2.2 to 49.7	17.2	6.8	34	270	18.7	108	Yes	
Lead	12/15	0.38 to 1.5	2.2 to 76	18.3	9.2	46.7	218	30.2	112	Yes	
Mercury	2/15	0.04 to 0.27	0.07 to 0.83	0.45	0.98	0.15	0.71	0.13	0.696	No	B
Nickel	10/15	1.5 to 6	1.9 to 70.6	22.2	11.6	20.9	51.6	15.9	42.8	Yes	
Selenium	4/15	0.15 to 1	0.16 to 0.60	0.46	1.1	NA	NA	NA	NA	No	B
Silver	2/15	0.44 to 1.6	1.3 to 2.4	1.85	ND	1.0	3.7	0.733	1.77	Yes	
Thallium	3/15	0.15 to 1	0.21 to 0.32	0.25	1.24	NA	NA	NA	NA	No	B
Tin	6/15	2.1 to 10.6	3.6 to 10.9	7.8	24.6	NA	NA	NA	NA	No	B
Vanadium	15/15	NR	1.5 to 39.3	15.2	14.8	NA	NA	NA	NA	Yes	
Zinc	15/15	NR	2.8 to 625	76.2	25.8	150	410	124	271	Yes	
Cyanide	5/15	0.11 to 0.36	0.27 to 1.2	0.64	ND	NA	NA	NA	NA	Yes	

See notes on next page.

Table 3-10 (Continued)
Chemicals of Potential Concern (CPCs) in Sediment Samples

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Long and Others		MacDonald		Analyte CPC (Yes/No)	Reason [9]
						ER-L[5]	ER-M[6]	TEL[7]	PEL[8]		

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U," or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] Effects range-low (ER-L) value represents a concentration intended to estimate conditions in which effects would be rarely observed. Source: "Incidence of Adverse Biological Effects within Ranges of Chemical Concentrations in Marine and Estuarine Sediments" by Long and others, National Oceanic and Atmospheric Administration, 1993.
[6] Effects range-median (ER-M) represents the concentration where effects would occasionally occur. Source: "Incidence of Adverse Biological Effects within Ranges of Chemical Concentrations in Marine and Estuarine Sediments" by Long and others, National Oceanic and Atmospheric Administration, 1993.
[7] Threshold Effects Level (TEL) is a concentration at which no or minimal effects have been observed in any test species or biological community. Source: "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" MacDonald, November 1994.
[8] Probable Effects Level (PEL) is the lower concentration limits at which adverse effects may first be observed. Source: "Approach to the Assessment of Sediment Quality in Florida Coastal Waters," MacDonald, November 1994.
[9] Analytes were excluded from the risk assessment for the following reasons:
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations listed below (for inorganic compounds only).
L = the maximum detected concentration did not exceed the Effects Range-Low (ER-L).
M = the maximum detected concentration did not exceed the Effects Range- Medium (ER-M).
N = the maximum detected concentration did not exceed the Threshold Effects Level.
P = the maximum detected concentration did not exceed the Probable Effects Level (PEL)

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include:
Background sample locations include:
Duplicate background sample locations include:

µg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.
DDD = dichlorodiphenyldichloroethane.
DDE = dichlorodiphenyldichloroethene.
mg/kg = milligrams per kilograms.

The ER-L value represents a concentration at the low end of a range of values in which adverse biological effects have been observed. The ER-M represents a concentration approximately midway in a range of values associated with adverse biological effects (Long and others, 1993). The TEL represents the upper limit of the range of sediment contaminant concentrations dominated by No Effects Data (i.e., The Minimal Effects Range). The PEL represents a concentration in the lower range of values that are usually associated with adverse biological effects (MacDonald, 1994).

Because a different set of target analytes was measured in sediment samples collected in 1992 and 1994, the following presents a description of the target analytes that were detected during each sampling event.

Sediment Sampling Event, 1992. Six sediment samples were collected during April 1992, three from the west pond, two from the east pond, and one from the drainage ditch where the west pond discharges. No SVOCs, pesticides, or PCBs were detected in two of the samples (MPT-49-SD01 and MPT-439-SD03) collected from the west pond. Six SVOCs including four polynuclear aromatic hydrocarbons (naphthalene, 2-methylnaphthalene, fluoranthene, and pyrene) and two phthalates (butylbenzylphthalate and bis(2-ethylhexyl)phthalate) were detected in the sediment sample MPT-49-SD02 (Table 3-5). The highest values for these SVOCs were detected at this sample location, which is located near the northeastern shore of the west pond. This sample location is downstream of a stormwater culvert that receives and discharges runoff from the aircraft wash rack area.

One of the sediment samples (MPT-49-SD07) collected from the east pond contained concentrations of fluoranthene and pyrene. Both of the east pond sediment samples contained concentrations of bis(2-ethylhexyl)phthalate.

Sediment sample MPT-49-SD08 collected from the drainage ditch along Patrol Road contained concentrations of fluoranthene and pyrene, but these compounds were not detected in the corresponding duplicate. The duplicate to sediment sample MPT-49-SD08 contained butylbenzylphthalate, which was not detected in the sample.

Pesticides were not detected in the sediment samples collected from the western pond, but were detected in the one sediment sample collected from the east pond and in the sample and corresponding duplicate collected from the drainage ditch (Table 3-6).

Heptachlor, 4,4-dichlorodiphenyldichloroethane (DDD), and Chlordane were detected in sediment sample MPT-49-SD07 collected from the east pond. The sediment sample (MPT-49-SD08) and its duplicate collected from the drainage ditch contained 4,4'-dichlorodiphenyldichloroethene (DDE) and the sample, but not the duplicate, contained concentrations of 4,4'-DDD.

Fourteen metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc) and cyanide were detected in various combinations and concentrations in the sediment samples collected from the west and east ponds and drainage ditch (Table 3-7). The highest detected concentrations of the inorganic target analytes were detected in sediment sample MPT-49-SD02 collected at the western pond.

Sediment Sampling Event, 1994. Sediment samples MPT-49-SD12 through MPT-49-SD17 were collected in the vicinity of sediment sample MPT-49-SD02. Target analytes

detected in these sediment samples consisted of 4 VOCs (acetone, carbon disulfide, 2-butanone, and acetonitrile), 1 SVOC (bis(2-ethylhexyl)phthalate), 2 pesticides (4,4'-DDE and 4,4'-DDD) (Table 3-8), and 16 metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, thallium, tin, vanadium, and zinc) and cyanide (Table 3-9).

Sediment sample MPT-49-SD09, collected near the entrance to the culvert that leads to the drainage ditch along Patrol Road, contained 3 VOCs (acetone, carbon disulfide, and 2-butanone), no SVOCs, 1 pesticide (4,4'-DDE), and 12 metals (antimony, arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, tin, vanadium, and zinc) and cyanide.

Sediment sample MPT-49-SD10, collected in the west part of the western pond, contained 3 VOCs (acetone, carbon disulfide, and 2-butanone), no SVOCs, 1 pesticide (4,4'-DDE), and 12 metals (antimony, arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, tin, vanadium, and zinc).

Sediment sample MPT-49-SD11, collected in the west part of the western pond, contained 2 VOCs (carbon disulfide and 2-butanone), no SVOCs, 1 pesticide (4,4'-DDE), and 13 metals (antimony, arsenic, barium, beryllium, chromium, cobalt, copper, lead, nickel, silver, tin, vanadium, and zinc).

3.4 PRELIMINARY RISK EVALUATION.

Surface Water. VOCs, SVOCs, pesticides, and PCBs were not detected in the surface water samples. Concentrations of eight metals (arsenic, barium, beryllium, lead, mercury, nickel, vanadium, and zinc) exceed either background screening values or the bench mark values (Table 3-4). Arsenic was detected only in the four surface water samples collected in August 1994 and exceeded the background screening value (6.2 $\mu g/\ell$) in one of the samples. Each of the four samples contained arsenic at concentrations that exceeded the ambient water quality criteria (AWQC) for protection of human health for consumption of fish.

Barium was detected in each of the six surface water samples and a duplicate, and exceeded the background screening value (22.6 $\mu g/\ell$) in one of the samples. Currently, there are no benchmark values established for barium.

Beryllium was detected in one of six surface water samples. Beryllium was not detected in the background surface water samples. The detected concentration of beryllium exceeded the AWQC for protection of human health for consumption of fish (0.0641 $\mu g/\ell$) and the Class III marine surface water standard (0.13 $\mu g/\ell$).

Lead was detected in the two surface water samples and duplicate collected in April 1992 and two of the samples collected in August 1994 and exceeded the background screening value (2.6 $\mu g/\ell$) in each of the samples. The bench mark values for AWQC protection of aquatic life (chronic) (8.5 $\mu g/\ell$) and Class III marine surface water standard (5.6 $\mu g/\ell$) were exceeded by the concentration of lead in the two surface water samples and duplicate collected in April 1992 and two of the surface water samples collected in August 1994.

Mercury was detected as a single occurrence in one of the surface water samples collected in August 1994. Mercury was not detected in the background surface water samples. The detected concentration of mercury exceeded the bench mark value for AWQC protection of aquatic life (chronic) (0.025 $\mu g/\ell$).

Nickel was detected in one of the surface water samples collected in April 1992 and two of the surface water samples collected during August 1994, and exceeded the background screening value (26 μg/ℓ) in one of the surface water samples collected in August 1994. The two surface water samples collected in August 1994 contained nickel at concentrations that exceeded the AWQC protection of aquatic life (acute, 75 μg/ℓ, and chronic, 8.3 μg/ℓ) and Class III marine surface water standard (8.3 μg/ℓ).

Vanadium was detected in each of the six surface water samples and duplicate. Only one of the samples contained vanadium at a concentration that exceeded the background screening value (8 μg/ℓ). Currently, there are no bench mark values established for vanadium.

Zinc was detected in two of the surface water samples collected in August 1994 and exceeded the background screening value (4 μg/ℓ) in both of the samples. One of the surface water samples collected in August 1994 contained zinc at a concentration that exceeded the AWQC protection of aquatic life (acute, 95 μg/ℓ, and chronic, 86 μg/ℓ) and Class III marine surface water standard (86 μg/ℓ).

Because SWMU 49 is a stormwater retention pond and has restricted access (chainlink fence), it is not likely to be used for recreational fishing. However, it is common to see birds foraging at SWMU 49.

Sediment. Four VOCs (acetone, acetonitrile, 2-butanone, and carbon disulfide) were detected in sediment samples collected during August and September 1994. Carbon disulfide was detected in the background samples (background screening value, 51 μg/kg). VOCs are not eliminated as a compound of potential concern because of detection in background sediment samples. Currently, there are no bench mark values available to assess the VOCs (Table 3-10) and they are considered CPCs.

Six SVOCs (naphthalene, 2-methylnaphthalene, fluoranthene, pyrene, butylbenzylphthalate, and bis(2-ethylhexyl)phthalate) were detected in sediment samples collected during April 1992 and only one SVOC (bis(2-ethylhexyl)phthalate) was detected in the sediment samples collected during August and September 1994. Pyrene (background screening value, 282 μg/kg) and bis(2-ethylhexyl)phthalate (background screening value, 231 μg/kg) were detected in background sediment samples. SVOCs are not eliminated as CPCs because of detection in background sediment samples.

Currently, no bench mark value is available to assess butybenzylphthalate; therefore, it is considered a CPC. (Bis(2-ethylhexyl)phthalate was detected in 10 of 15 sediment samples and exceeded the TEL (182 μg/kg) in four samples. Fluoranthene was detected in 3 of 15 sediment samples at concentrations that exceed the TEL (21.2 μg/kg) and in one sample at a concentration that exceeded the PEL (144 μg/kg). 2-Methylnaphthalene was detected as a single occurrence (1,300 μg/kg) and exceeded the ER-L (70 μg/kg), ER-M (670 μg/kg), the TEL (20.2 μg/kg),and PEL (201 μg/kg). Naphthalene was detected as a single occurrence (16,000 μg/kg), and exceeded bench mark values for ER-L (160 μg/kg), ER-M (2,100 μg/kg), TEL (86.7 μg/kg) and PEL 544 μg/kg). Pyrene was detected in 3 of 15 sediment samples and exceeded the TEL (153 μg/kg) in one sediment sample.

Four pesticide (chlordane, 4,4'-DDD, 4,4'-DDE, and heptachlor) were detected in sediment samples collected during April 1992. Only 4,4'-DDD and 4,4'-DDE were

detected in the sediment samples collected during August and September 1994. Chlordane was detected as a single occurrence (730 μg/kg) and exceeded the TEL (2.26 μg/kg) and PEL (4.79 μg/kg). 4,4'-DDD was detected in 3 of 17 sediment samples at concentrations that exceed the ER-L (1.58 μg/kg) and TEL (1.22 μg/kg) and in 2 samples at concentrations that exceed the PEL (7.81 μg/kg). 4,4'-DDE was detected in 8 of 17 sediment samples and exceeded the ER-L (2.2 μg/kg) and TEL (2.07 μg/kg) in six samples and the PEL (3.74 μg/kg) in three samples. Currently, no bench mark value is available to assess heptachlor; therefore, it is considered a CPC.

Thirteen inorganic analytes (antimony, arsenic, barium, beryllium, cadmium, cobalt, copper, lead, nickel, silver, vanadium, zinc, and cyanide) were detected in the SWMU 49 sediment samples at concentrations that exceed background or bench mark values. Antimony, silver, and cyanide were not detected in background sediment samples, nor are there bench mark values for ER-L, ER-M, TEL, or PEL. In addition, ER-L, ER-M, TEL, nor PEL values have not been established for barium, beryllium, cobalt, selenium, thallium, tin, vanadium, and cyanide.

Eleven of the metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc) exceeded their respective background screening values.

Seven of the inorganic analytes (arsenic, cadmium, copper, lead, nickel, silver, and zinc) detected in the sediment samples exceeded one or more of the bench mark values. Concentrations of arsenic exceeded the TEL (7.24 mg/kg) and ER-L (8.2 mg/kg) in 3 of 15 sediment samples, but were less than the ER-M (70 mg/kg) and the PEL (41.6 mg/kg). The background screening value for arsenic (5.4 mg/kg) was less than the ER-L, ER-M, TEL, and PEL values.

Concentrations of cadmium exceeded the ER-L (1.2 mg/kg), approach the ER-M (9.6 mg/kg), and exceeded the TEL (0.676 mg/kg) and PEL (4.21 μg/kg) in 1 of 15 sediment samples. Cadmium was detected in only one other sample at concentrations less than the bench mark values. The background screening value for cadmium (1.14 mg/kg) also exceeds the MacDonald TEL.

Concentrations of copper exceeded the TEL (18.7 mg/kg) and the ER-L (34 mg/kg) in 3 of 15 sediment samples, but were less than the ER-M (270 mg/kg), and the PEL (108 mg/kg). The background screening value for copper (6.8 mg/kg) was less than the ER-L, ER-M, TEL, and PEL values.

Concentrations of lead exceeded the TEL (30.2 mg/kg) and the ER-L (46.7 mg/kg) in 1 of 15 sediment samples. Concentrations of lead were less than the ER-M (218 mg/kg) and the PEL (112 mg/kg). The background screening value for lead (9.2 mg/kg) was less than the ER-L, ER-M, TEL, and PEL values.

Concentrations of nickel exceeded the ER-L (20.9 mg/kg), the ER-M (51.6 mg/kg), the TEL (15.9 mg/kg), and the PEL (42.8 mg/kg) values in 3 of 15 sediment samples. The background screening value for nickel (11.6 mg/kg) was less than the bench mark values.

Concentrations of silver exceeded the ER-L (1.0 mg/kg), the TEL (0.733 mg/kg), and PEL (1.77 mg/kg) values in 2 of 15 sediment samples, but was less than the ER-M (3.7 mg/kg). Silver was not detected in the background sediment samples.

One of the 15 sediment samples contained zinc at a concentration (625 mg/kg) that exceeded the ER-L (150 mg/kg), ER-M (410 mg/kg), TEL (124 mg/kg), and PEL (271 mg/kg). The background screening value for zinc (25.8 mg/kg) was less than the Long and others ER-L and ER-M values and the MacDonald TEL and PEL values.

3.5 CONCLUSIONS AND RECOMMENDATIONS.

3.5.1 Conclusions

Surface Water. The western and eastern ponds could be classified as Class III predominantly freshwater bodies, and discharge to a drainage ditch that could be classified as a Class III, predominantly marine water body. Because SWMU 49 discharges to a Class III marine water body, the surface water samples collected from SWMU 49 were compared to Class III marine standards.

SWMU 49 is a stormwater retention pond with restricted access (chain-link fence) and, therefore, is not likely to be used for recreational fishing. However, it is common to see birds foraging at SWMU 49.

During April 1992 two surface water samples were collected, one each from the west and east ponds. No organic compounds (VOCs, SVOCs, pesticides, or PCBs) were detected in the surface water samples. Six inorganic analytes (antimony, barium, chromium, lead, nickel, and vanadium) were detected in surface water samples collected at SWMU 49 (Table 3-2).

During August 1994, four surface water samples were collected from the western pond. No organic compounds (VOCs, SVOCs, pesticides, or PCBs) were detected in the surface water samples. Twelve metals (antimony, arsenic, barium, beryllium, cadmium, chromium, copper, lead, mercury, nickel, vanadium, and zinc) and cyanide were detected in surface water samples from SWMU 49 (Table 3-3).

Six of the metals (arsenic, barium, lead, nickel, vanadium, and zinc) exceeded background screening criteria. Beryllium and mercury were not detected in background surface water samples. The highest detected concentrations of arsenic, barium, lead, nickel, and zinc exceeded their respective background screening values (Table 3-4).

Target analytes detected at concentrations that exceeded the AWQC for protection of aquatic life, acute, were mercury, nickel and zinc. Target analytes detected at concentrations that exceeded the AWQC for protection of aquatic life (chronic) were arsenic. The Class III marine surface water standards were exceeded by barium, mercury, nickel, and zinc. Currently, no bench mark values have been established for vanadium.

Based on comparison of the metals detected in the surface water samples with the background screening criteria and the bench mark values, surface water in the SWMU 49 western and eastern ponds may be adversely impacted by discharge of stormwater from the industrial areas served by the stormwater retention ponds.

Sediment. During April 1992, six sediment samples were collected, three from the western pond, two from the eastern pond, and one from the drainage ditch along the south side of Patrol Road. These samples were not analyzed for VOCs. Target analytes consisting of 6 SVOCs (naphthalene, 2-methylnaphthalene, fluoranthene,

pyrene, butylbenzylphthalate, and bis(2-ethylhexyl)phthalate), 4 pesticides (heptachlor, 4,4'-DDE, 4,4'-DDD, and Chlordane), and 14 metals (antimony, arsenic, barium, beryllium, cadmium, c romium, cobalt, copper, lead, nickel, selenium, silver, vanadium, and zinc), and cyanide were detected in various combinations and concentrations in the sediment samples collected from the western and eastern ponds and drainage ditch.

During August and September 1994, 11 sediment samples were collected, 9 from the western pond and 2 from the eastern pond. The samples collected from the eastern pond were analyzed only for pesticides. Target analytes consisting of 4 VOCs (acetone, carbon disulfide, 2-butanone, and acetonitrile), 1 SVOC (bis(2-ethylhexyl)phthalate), 2 pesticides (4,4'-DDE and 4,4'-DDD) and 15 metals (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, mercury, nickel, selenium, silver, vanadium, and zinc) and cyanide were detected in various combinations and concentrations in the sediment samples collected from the western and eastern ponds.

Eleven of the metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc) exceeded background screening criteria. Antimony, silver, and cyanide were not detected in background sediment samples. The highest detected concentrations of arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc exceeded their respective background screening values (Table 3-4). None of the organic compounds detected in sediment samples was eliminated as being of concern because of being detected in background sediment samples.

Currently, no bench mark values are available to assess the VOCs acetone, acetonitrile, 2-butanone, and carbon disulfide, the SVOC butylbenzylphthalate, and the pesticide heptachlor detected in the sediment samples; therefore, these organic compounds are considered CPCs. Bis(2-ethylhexyl)phthalate and pyrene were detected at concentrations that exceed the TEL. Fluoranthene was detected at concentrations the exceed the TEL and PEL. 2-Methylnaphthalene and naphthalene were detected at concentrations that exceed the ER-L, ER-M, TEL and PEL. The pesticides chlordane, 4,4'-DDD, and 4,4'-DDE were detected at concentrations that exceed the TEL and PEL. The inorganics arsenic, cadmium, copper, lead, mercury, nickel, silver, and zinc exceeded ER-L and TEL screening values and concentrations of cadmium, mercury, nickel, silver and zinc exceeded ER-M and PEL screening values.

Comparison of organic compounds and metals detected in the sediment samples to the background screening and bench mark values suggests that sediment in the SWMU 49 western and eastern ponds may be adversely impacted by discharge of stormwater runoff from the industrial areas served by the stormwater retention ponds. This is based on the detection of multiple organic and inorganic target analytes at concentrations where adverse biological effects are beginning to be observed (i.e., at concentrations greater than the ER-M and PEL).

Potential sources of contamination to surface water and sediment in the SWMU 49 stormwater ponds appear to be discharge of storm sewers from the industrial area and associated aircraft parking and taxiways and vehicle parking areas.

3.5.2 Recommendations An RFI focused toward ecological risk assessment or interim measures to remove the sediment in the basins is recommended for SWMU 49. The focused RFI should include ecological diversity measurements and aquatic and

sediment toxicity testing to assess whether to place SWMU 49 on the no further action list, establish a monitoring program to assess whether continued discharge from the industrial area is adversely affecting the ecology of the two ponds or conduct a corrective measures study based on the following rationale.

- SWMU 49 is a stormwater retention pond with restricted access to the western pond (chain-link fence) and is not likely to be used for recreational fishing. However, it is common to see birds foraging at SWMU 49.

- VOCs, SVOCs, pesticides, and PCBs were not detected in the surface water samples.

- Eight of the metals (arsenic, barium, beryllium, lead, mercury, nickel, vanadium, and zinc) exceeded background screening criteria for surface water.

- Concentrations of six metals (arsenic, beryllium, lead, mercury, nickel, and zinc) exceeded the surface water bench mark values.

- VOCs (acetone, acetonitrile, 2-butanone, and carbon disulfide), SVOC (butylbenzylphthalate), and pesticide (heptachlor) were detected in the sediment samples, and currently there are no bench mark values to assess these compounds.

- Bis(2-ethyl(hexyl)phthalate was detected at concentrations that exceed the TEL and fluoranthene was detected at concentrations that exceed the TEL and PEL.

- 2-Methylnaphthalene and naphthalene exceeded bench mark values for ER-L and ER-M, TEL, and PEL.

- Chlordane, 4,4'-DDD and 4,4'-DDE exceeded the TEL and PEL bench mark values.

- Eleven of the metals (arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, vanadium, and zinc) exceeded background screening criteria for sediment.

- Eight metals (arsenic, cadmium, copper, lead, mercury, nickel, silver, and zinc) detected in the sediment samples exceeded bench mark values.

- Concentrations of organic and inorganic target analytes exceeded bench mark values where adverse biological effects are beginning to be observed.

- Potential sources of contamination to surface water and sediment in the SWMU 49 stormwater ponds appear to be from discharge of storm sewers from the industrial area and associated aircraft parking and taxiways and vehicle parking areas.

4.0 SWMU 50, DREDGE SPOIL DISPOSAL AREAS

4.1 SITE DESCRIPTION AND BACKGROUND. SWMU 50 consists of two holding areas located in the southwest part of NAVSTA Mayport (Figure 1-3) that are used to contain materials dredged from the Mayport Turning Basin. The eastern holding area is roughly triangular and covers an area of approximately 1/4 square mile. The western holding area is roughly rectangular and covers an area of approximately 1/3 square mile. Both holding areas were constructed in marshy lowlands and are encircled with earthen dikes approximately 25 feet above the surrounding land surface. The top of the dikes are approximately 15 feet wide.

Surface water in the western and eastern dredge material holding areas is an ephemeral feature that is present during dredging activities and varies depending on the frequency and amount of rainfall. Because the dredge material holding areas do not maintain water for a sufficient duration, use of this area for recreational harvesting of aquatic species is not viable. The dredge material holding areas are viable foraging areas for birds. Least terns utilize dry sand and gravel parts of the holding areas for nesting.

Surface water in the dredge material holding areas is discharged to adjacent marsh areas. Prior to discharge the water flows through a stilling pond, which reduces the introduction of sediment to the marsh (Figure 4-1). The marsh area is a Class III marine environment.

Material dredged from the Mayport Turning Basin is periodically (every 2 to 3 years) placed in the holding areas. The placement of dredge material in the eastern holding area occurred from approximately the early 1940's and was discontinued temporarily from 1987 until 1994. The western basin has been active from 1973 to 1994. Both holding areas have reached their maximum capacity. Future dredging activities may involve offshore disposal of dredged materials unless some of the materials in the holding areas is removed. The Navy plans to remove the dredge material to provide capacity for future maintenance dredging of Mayport Turning Basin. A copy of the correspondence is provided in Appendix E.

The RFA identified the holding areas as an SWMU based on analyses of past sediment samples from the Mayport Turning Basin that suggested sediment placed in the holding areas could contain metals and organic compounds (e.g., oil and grease). Sediment samples were collected from the Mayport Turning Basin in 1971 during preparation for dredging activities scheduled in 1972. The analytical results indicated that heavy metals in the sediment exceeded USEPA standards. The sediment was reportedly dredged and placed at an offshore location (A.T. Kearney, 1989).

A 1978 study of sediment samples collected from the Mayport Turning Basin suggests that concentrations of mercury, zinc, iron, chromium, and vanadium were at higher concentrations in the sediment than concentrations of cadmium, lead, nickel, copper, beryllium, selenium, and arsenic. The study also compared the 1978 results to data from 1971, 1974, and 1976 and noted that compared to earlier analytical results, the concentrations of arsenic, cadmium, chromium, iron, lead, mercury, nickel, and oil and grease showed a decrease and concentration of zinc and COD showed a slight increase (A.T. Kearney, 1989).

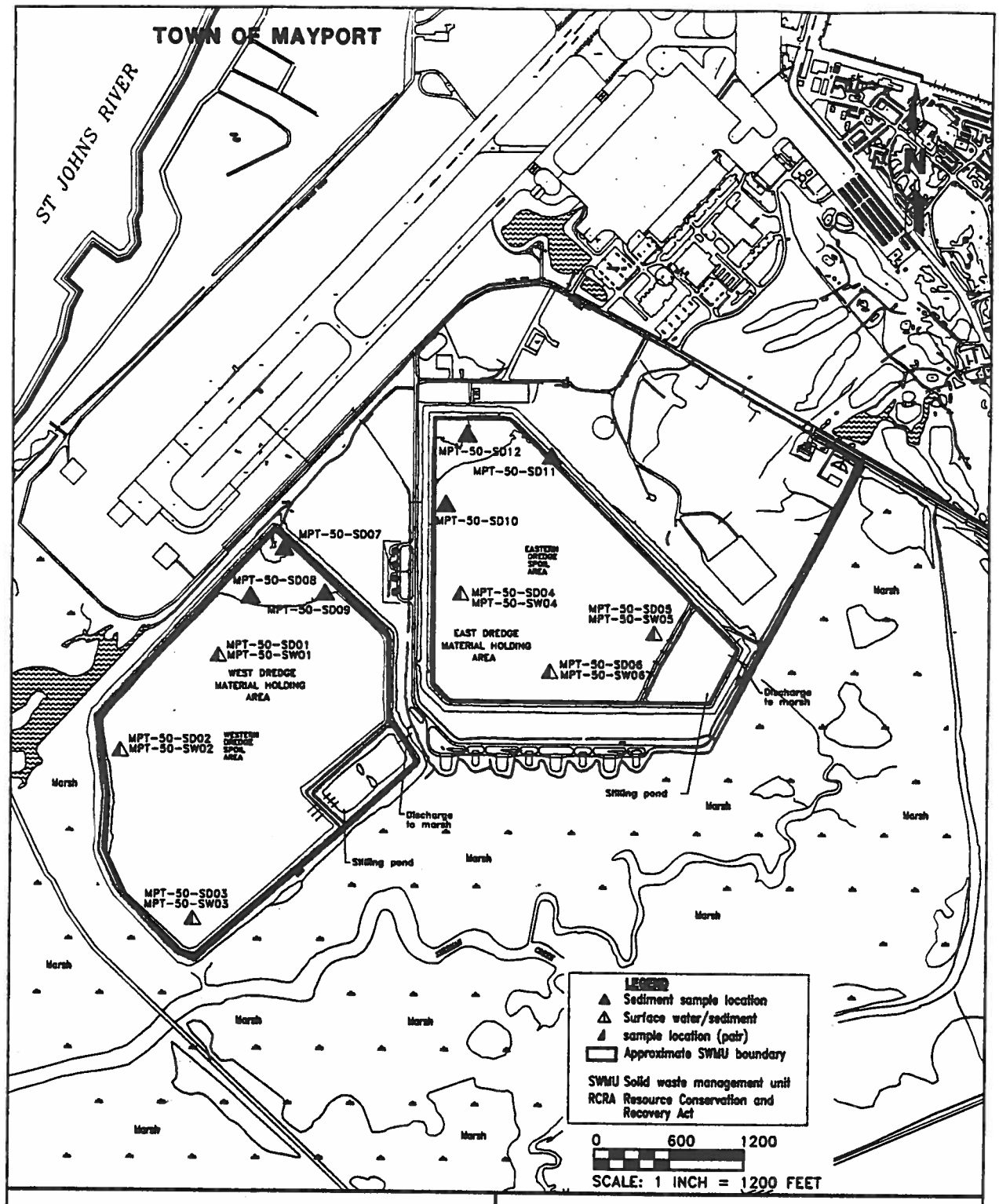

FIGURE 4-1

1992 SEDIMENT AND SURFACE WATER SAMPLING LOCATIONS AT SWMU 50, EASTERN AND WESTERN DREDGE SPOIL DISPOSAL AREA

H:\9500\000300\GLC-NAB-JC\11-28-95

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

A study conducted in 1983 and 1984 included sampling of both the St. Johns River and the Mayport Turning Basin. The study indicates that oil and grease, copper, iron, lead, nickel, and zinc were present in Mayport Turning Basin sediment. The study also suggests that the Mayport Turning Basin sediment contained higher concentrations of the inorganics than the samples collected from the St. Johns River (A.T. Kearney, 1989).

Prior to dredging activities in 1993, two sediment samples were collected from the Mayport Turning Basin (see Figure 1 in Appendix F). The samples were analyzed for toxicity characteristics by the toxicity characteristic leaching procedure (TCLP) and for VOCs, SVOCs, chlorinated pesticides, PCBs, cyanide, and metals listed in the Appendix IX groundwater monitoring list (40 CFR 264) by SW-846, Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (USEPA, 1986). The extracts from the sediment samples did not contain any of the target analytes at concentrations that would exceed criteria used to characterize waste as hazardous (see Tables 1 through 4 in Appendix F).

The results of the analyses indicate the presence of the following in sediment samples: 4 VOCs (acetone, 2-chloroethylvinylether, isobutyl alcohol, and methylene chloride), 17 SVOCs (acenaphthene, anthracene, benzo(a)pyrene, benzo(g,h,i)perylene, benzo(b)fluoranthene, benzo(k)fluoranthene, chrysene, dibenz(a,h)anthracene, fluoranthene, fluoranthene, fluorene, indeno(1,2,3-cd)pyrene, phenanthrene, pyrene, bis(2-ethylhexyl)phthalate, di-n-butylphthalate, and 1,4-dichlorobenzene), 2 pesticides (beta-BHC and 4,4"-dichlorodiphenyl-dichlorotrichloroethane [DDT]), and 17 inorganics (arsenic, aluminum, barium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, nickel, potassium, selenium, sodium, vanadium, and zinc) (see Tables 5 through 7 in Appendix F).

Maintenance dredging of Mayport Turning Basin was conducted from December 1993 to August 1994 and dredged material was placed into the western and eastern holding areas (SWMU 50). The dredging was performed by the U.S. Army Corps of Engineers in accordance with permit number 199004179 (IR-RP) issued on September 25, 1991, under the authority of Section 10 of the Rivers and Harbors Act, 33 U.S. Code (USC) 403. Because of this recent dredging event, the western and eastern holding areas (SWMU 50) were not accessible for sampling in 1994.

The RFA suggested that sediment samples should be collected at the eastern and western dredge material holding areas at various depths and locations and that the samples be analyzed for SVOCs and metals. The RFA also suggested that groundwater, surface water, and sediment samples be collected from areas adjacent to SWMU 50 (A.T. Kearney, 1989).

4.2 RFA SV FIELD INVESTIGATIONS. In April 1992, surface water and sediment (dredge material) sampling was conducted to assess the possible presence of hazardous constituents at SWMU 50. The objective of the data gathering activities at SWMU 50 was to collect surface water and sediment from various depths within the eastern and western dredge material holding areas. The purpose of the sampling event was to confirm whether contaminants are present at SWMU 50.

Because the sampling event was only to confirm whether contamination was present and the areal extent of the dredge material holding areas, sample locations were

widely distributed to collect sediment samples representing various depths within the eastern and western areas. The samples from each dredge material holding area consisted of three paired surface water and sediment (saturated sediment) samples and three sediment samples from dry parts (unsaturated sediment samples) of the holding areas.

Because many field activities are common to all NAVSTA Mayport SWMUs, the sampling procedures for RFI and RFA SV (confirmatory sampling) events are described in Section 2.1, Summary of Exploration and Sampling Program, of the NAVSTA Mayport GIR (ABB-ES, 1995b). Site-specific elements and deviations from sampling procedures, if any, particular to SWMU 50 are discussed in subsequent paragraphs, and standard operating procedures are referenced where necessary. Surface water and sediment sampling procedures and associated equipment decontamination procedures were conducted in general conformance with USEPA Region IV standard operating procedures (USEPA, 1991a).

Surface Water and Sediment Sample Collection Procedure. Surface water and sediment sampling was accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991) and Subsection 2.1.3, Surface Water, Sediment, and Sludge Sampling, located in the GIR.

Laboratory Analysis. Surface water and sediment samples were analyzed for the same target analytes including SVOCs, pesticides, PCBs, metals, and cyanide selected from the groundwater monitoring list contained in Appendix IX, 40 CFR 264, and USEPA Contract Laboratory Program target compound list and target analyte list. VOCs were not analyzed. Analysis of surface water and sediment samples was by methods contained in Test Methods for Evaluating Solid Waste Chemical/Physical Methods (SW 846) (USEPA, 1986). A list of the target analytes is provided in Appendix A. Analytical results for each sample from the 1992 sampling event were presented in the RFA SV Report, Phase 1 (ABB-ES, 1992c), and the results of the 1994 sampling event are provided in Appendix B.

4.3 FINDINGS. The following presents the results of analysis of surface water and sediment samples collected within the eastern and western dredge material holding areas (SWMU 50).

4.3.1 SWMU 50 Surface Water and Sediment Samples. No water quality parameter measurements were performed for the surface water samples. Table 4-1 summarizes the validated analytical results for inorganic target analytes detected in surface water samples collected during 1992 at SWMU 50. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Table 4-2. The target analytes detected in the environmental samples were compared to background surface water samples collected from Mayport Turning Basin and the St. Johns River (ABB-ES, 1995b), and bench mark values for ambient water quality (USEPA, 1991b) and Class III marine water quality standards (Chapter 62-302, FAC 1995).

Three surface water samples were collected at each of the dredge material holding areas (Figure 4-1). SVOCs, pesticides, and PCBs were not detected in the surface water samples. Twelve inorganic analytes were detected including antimony, arsenic, barium, cadmium, chromium, cobalt, lead, nickel, tin, vanadium, zinc, and cyanide (Table 4-1). Cobalt, lead, and cyanide were detected only in the surface water samples collected from the western holding area, and antimony and zinc were detected only in the surface water samples collected from the eastern holding area.

Table 4-1
Inorganic Analytes Detected in Surface Water Samples at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:			21528		21528		21528		21528		21541		21528		21528	
Sample Matrix:			Water		Water		Water		Water		Water		Water		Water	
Sample Location:			MPT-50-SW01		MPT-50-SW02		MPT-50-SW03		MPT-50-SW03		MPT-50-SW04		MPT-50-SW05		MPT-50-SW06	
Sample No.:			MPT-50-SW-11		MPT-50-SW-21		MPT-50-SW-31		MPT-50-SW-31D		MPT-50-SW-41		MPT-50-SW-51		MPT-50-SW-61	
Date Sampled:			04/22/92		04/22/92		04/22/92		04/22/92		04/23/92		04/23/92		04/23/92	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
7440-36-0	Antimony	µg/ℓ	--		--		--		--		--		14.2	J	21.3	J
7440-38-2	Arsenic	µg/ℓ	27.4	J	29.6	J	47.8	J	35.9	J	35.8		50.6	J	33.8	J
7440-39-3	Barium	µg/ℓ	17.5	J	12.0	J	9.0	J	8.8	J	27.9	J	33.8	J	27.4	J
7440-43-9	Cadmium	µg/ℓ	--		--		--		3	J	--		5.3	J	--	
7440-47-3	Chromium	µg/ℓ	12.2		3.2	J	--		--		--		6.6	J	--	
7440-48-4	Cobalt	µg/ℓ	4	J	--		--		--		--		--		--	
7440-92-1	Lead	µg/ℓ	22.1	J	13.9	J	41.2	J	17.3	J	--		--		--	
7440-02-0	Nickel	µg/ℓ	14.1	J	--		--		8.7	J	12.1	J	31.6	J	8.7	J
7440-31-5	Tin	µg/ℓ	28.7	J	28.4	J	--		--		--		--		33.5	J
7440-62-2	Vanadium	µg/ℓ	25.7	J	15	J	11.4	J	11.4	J	11.2	J	21.5	J	16.4	J
7440-66-6	Zinc	µg/ℓ	--		--		--		--		--		94		--	
5955-70-0	Cyanide	µg/ℓ	--		2.4	J	--		1.9	J	--		--		--	

Notes: Suffix "D" on Sample No. indicates a duplicate sample to the corresponding environmental sample.
Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.

Conc. = concentration.
Qual. = qualifier.
µg/ℓ = micrograms per liter.
-- = analyte not detected.
"J" = estimated value.

Table 4-2
Chemicals of Potential Concern Detected in Surface Water at SWMU 50, April 1992

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations (*)[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]		Ambient Water Quality Criteria[5]		Class III Marine Surface Water Standards[6]	Analyte CPC? (Yes/No)	Reason[7]
					Mayport Turning Basin	St. Johns River	For Protection of Aquatic Life: Acute/Chronic	For Protection of Human Health			
Volatiles (µg/ℓ)											
No analytes detected											
Semivolatiles (µg/ℓ)											
No analytes detected											
Pesticides/PCBs (µg/ℓ)											
No analytes detected											
Inorganics (mg/ℓ)											
Antimony	2/6	10.9 to 10.9	14.2 to 21.4	17.8	ND	ND	[8]1,500/500	45,000	4,300	No	A, H, M
Arsenic	6/6	NR	27.4 to 50.6	36.5	ND	ND	[9]69/36	0.0175	[10]50	Yes	
Barium	6/6	NR	8.9 to 33.8	21.3	12.2	15.2	NA/NA	NA	NA	Yes	
Cadmium	2/6	2.9 to 2.9	2.2 to 5.3	3.8	11.6	12.2	43/9.3	NA	9.3	No	B
Chromium	3/6	2.1 to 2.1	3.2 to 12.2	7.3	ND	ND	[11]1,100/50	[12]3,433,000	[11]50	No	A, H, M
Cobalt	1/6	3.6 to 3.6	4 to 4	4	ND	ND	NA/NA	NA	NA	Yes	
Lead	3/6	1.4 to 13	13.9 to 29.3	21.8	ND	ND	220/8.5	NA	5.6	Yes	
Nickel	5/6	3.8	5.3 to 31.6	14.4	ND	ND	75/8.3	100	8.3	Yes	
Tin	3/6	26.4 to 26.4	28.4 to 33.5	30.2	17	19.8	NA/NA	NA	NA	Yes	
Vanadium	6/6	NR	11.2 to 25.7	16.9	ND	3.6	NA/NA	NA	NA	Yes	
Zinc	1/6	4.8 to 44.3	94 to 94	94	4.2	5.8	95/86	NA	86	Yes	
Cyanide	2/6	1.8 to 1.8	1.4 to 2.4	1.9	0.96	5	1/NA	NA	1	No	B

See notes on next page.

Table 4-2 (Continued)
Chemicals or Potential Concern Detected in Surface Water Samples at SWMU 50, April 1992

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations (*)[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]		Ambient Water Quality Criteria[5]		Class III Marine Surface Water Standards[6]	Analyte CPC? (Yes/No) [8] [9]	Reason[7]
					Mayport Turning Basin	St. Johns River	For Protection of Aquatic Life: Acute/Chronic	For Protection of Human Health			

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit (CRQL) and contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified as "J"; it does not include those samples where the analyte was not detected ("U," or "UJ"qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] Values are taken from USEPA Water Quality Criteria Summary, Office of Science and Technology, Health and Ecological Criteria Division, Washington, D.C., May 1, 1991.
[6] Values are taken from Surface Water Quality Standards, Chapter 62-302, Florida Administrative Code, amended January 1995.
[7] Analytes were included or excluded from the risk assessment for the following reasons:
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations
A = the maximum detected concentration did not exceed the Ambient Water Quality Criteria for the Protection of Marine Aquatic organisms and the analyte will not be considered further.
H = the maximum detected concentration did not exceed the Ambient Water Quality Criteria for the Protection of Human Health from the ingestion of fish and the analyte will not be considered further.
M = the maximum detected concentration did not exceed the Marine Surface Water (Class III) Surface Water Quality Standards and the analyte will not be considered further.
[8] Proposed criteria.
[9] The value is based on trivalent form of arsenic
[10] The value is based on the total concentration of arsenic.
[11] The value is based on chromium hexavalent form.
[12] The value is based on chromium trivalent form.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 50SW11; 50SW21; 50SW31; 50SW41; 50SW51; 50SW61
Duplicate sample locations include: 50SW31DUP
Background sample locations include: Turning Basin - MPT-B-SW10; MPT-B-SW11; MPT-B-SW12
St. Johns River - MPT-B-SW113; MPT-B-SW14; MPT-B-SW15
Duplicate background sample locations include: Turning Basin - MPT-B-SW12DUP
CPC = chemicals of potential concern. NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.
$\mu g/\ell$ = micrograms per kilograms.
PCBs = polychlorinated biphenyls. ND = not detected in any background samples.
mg/ℓ = milligrams per kilograms. NA = not available.

Sediment Samples. Tables 4-3 and 4-4 summarize the validated analytical results for SVOCs and inorganic target analytes detected in sediment samples (saturated) paired with surface water samples collected during 1992 at SWMU 50. Tables 4-5 and 4-6 summarize the validated analytical results for SVOCs and inorganic target analytes detected in sediment samples (unsaturated) collected during 1992 at SWMU 50. Table 4-7 summarizes the validated analytical results for SVOCs, pesticides, and inorganic target analytes detected in sediment samples collected at SWMU 50.

A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Table 4-7. The target analytes detected in the environmental samples were compared to background sediment samples collected from Mayport Turning Basin and the St. Johns River (ABB-ES, 1995b), and bench mark values from *The Potential for Biological Effects of Sediment-sorbed Contaminants Tested in the National Status and Trends Program*, NOAA (Long and others, 1993), and *Approach to the Assessment of Sediment Quality in Florida Coastal Waters* (MacDonald, 1994). Values are also shown in Table 4-7 for cleanup goals for Military Sites in Florida (FDEP, 1995); however, these values do not represent potential adverse effects to ecological receptors and were not used to determine whether the analyte was a CPC.

Target analytes detected in the sediment samples that were paired with the surface water samples consist of 8 SVOCs (bis(2-ethylhexyl)phthalate, fluoranthene, pyrene, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, benzo(k)-fluoranthene, and benzo(a)pyrene) (Table 4-3) and 14 inorganics (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, vanadium, zinc, and cyanide). Pesticides and PCBs were not detected in these sediment samples (Table 4-4).

Target analytes detected in the sediment samples from dry sections of the western and eastern dredge material holding areas consist of 10 SVOCs (fluoranthene, pyrene, butylbenzylphthalate, benzo(a)anthracene, chrysene, bis(2-ethylhexyl)phthalate, di-n-octylphthalate, benzo(b)fluoranthene, benzo(k)fluoranthene, and benzo(a)pyrene) (Table 4-5) and 15 inorganics (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, zinc, and cyanide) (Table 4-6).

4.4 PRELIMINARY RISK EVALUATION. The following presents a preliminary risk evaluation of surface water and sediment samples collected at SWMU 50.

Surface Water. SVOCs, pesticides, and PCBs were not detected in the surface water samples. Chemicals of potential concern consist of eight inorganic analytes (arsenic, barium, cobalt, lead, nickel, tin, vanadium, and zinc) detected in the surface water samples at concentrations exceeding either background screening values (surface water samples collected from Mayport Turning Basin and the St. Johns River) or bench mark values.

Arsenic was detected in each of the surface water samples and duplicate, but was not detected in the background surface water samples. Arsenic was detected in three surface water samples at concentrations that exceed the AWQC chronic criteria (36 $\mu g/\ell$) for protection of aquatic life and the Class III marine

Table 4-3
Organic Analytes Detected in Sediment Samples (Saturated) at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:			21541		21541		21541		21541		21541		21541		21541	
Sample Matrix:			Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Sample Location:			MPT-50-SD01		MPT-50-SD02		MPT-50-SD02		MPT-50-SD03		MPT-50-SD04		MPT-50-SD05		MPT-50-SD06	
Sample No.:			MPT-50-SD-01		MPT-50-SD-02		MPT-50-SD-02D		MPT-50-SD-03		MPT-50-SD-04		MPT-50-SD-05		MPT-50-SD-06	
Date Sampled:			04/23/92		04/23/92		04/23/92		04/23/92		04/23/92		04/23/92		04/23/92	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
117-81-7	bis(2-Ethylhexyl) phthalate	µg/kg	--		250	J	--		--		89	J	250	J	90	J
206-44-0	Fluoranthene	µg/kg	200	J	--		530	J	--		120	J	120	J	--	
129-00-0	Pyrene	µg/kg	200	J	--		400	J	--		160	J	260	J	--	
56-55-3	Benzo[a]anthracene	µg/kg	--		--		--		--		--		190	J	74	J
218-01-9	Chrysene	µg/kg	--		--		--		--		85	J	230	J	130	J
205-99-2	Benzo[b]fluoranthene	µg/kg	--		--		--		--		--		180	J	--	
207-08-9	Benzo[k]fluoranthene	µg/kg	--		--		--		--		--		140	J	--	
50-32-8	Benzo[a]pyrene	µg/kg	--		--		--		--		--		150	J	--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix "D" on the Sample No. indicates a duplicate sample to the corresponding environmental sample.

Conc. = concentration.
Qual. = qualifier.
µg/kg = milligrams per kilogram.
-- = analyte not detected.
"J" = estimated value.

Table 4-4
Inorganic Analytes Detected in Sediment Samples (Saturated) at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:			21541		21541		21541		21541		21541		21541		21541	
Sample Matrix:			Sediment		Sediment		Sediment		Sediment		Sediment		Sediment		Sediment	
Sample Location			MPT-50-SD01		MPT-50-SD02		MPT-50-SD02		MPT-50-SD03		MPT-50-SD04		MPT-50-SD05		MPT-50-SD06	
Sample No.:			MPT-50-SD-01		MPT-50-SD-02		MPT-50-SD-02D		MPT-50-SD-03		MPT-50-SD-04		MPT-50-SD-05		MPT-50-SD-06	
Date Sampled:			04/23/92		04/23/92		04/23/92		04/23/92		04/23/92		04/23/92		04/23/92	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
7440-36-0	Antimony	mg/kg	6.4	J	--		--		--		--		--		--	
7440-38-2	Arsenic	mg/kg	15.6		16.8		15.3		0.74	J	16.4		15		12.8	
7440-39-3	Barium	mg/kg	23.4	J	21.9	J	24.7	J	2.6	J	26.8	J	28.8	J	28.3	J
7440-41-7	Beryllium	mg/kg	1.3	J	1.3	J	1.4	J	--		1.4	J	1.6	J	1.3	J
7440-43-9	Cadmium	mg/kg	1.7	J	--		--		--		--		--		--	
7440-47-3	Chromium	mg/kg	50.8		36.4		47.8		2	J	42.6		46.3		42.3	
7440-48-4	Cobalt	mg/kg	5.9	J	4.6	J	4.9	J	--		6.5	J	6.7	J	6.4	J
7440-50-8	Copper	mg/kg	18.8		38.2		26.1		1.9	J	21.3		26.1		20.4	
7440-92-1	Lead	mg/kg	18.7		25.5		21.6		1.5		31.4		34.2		28.1	
7440-02-0	Nickel	mg/kg	16.3	J	11.8	J	14.1	J	--		14.1	J	12.9	J	13.3	J
7440-49-2	Selenium	mg/kg	1.2	J	--		--		--		0.72	J	0.81	J	--	
7440-62-2	Vanadium	mg/kg	47.4		38.5		46.4		1.1	J	49.9		51.3		49.4	
7440-66-6	Zinc	mg/kg	74.8		78.3		77.8		6.4		79.9		90.1		78.3	
5955-70-0	Cyanide	mg/kg	0.52	J	--		--		1.2	J	--		--		--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix "D" on the Sample No. indicates a duplicate sample to the corresponding environmental sample.

Conc. = concentration.
Qual. = qualifier.
-- = analyte not detected.
mg/kg = milligrams per kilogram.
"J" = estimated value.

Table 4-5
Organic Analytes Detected in Sediment Samples (Unsaturated) at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:			21541		21541		21541		21541	
Sample Matrix:			Soil		Soil		Soil		Soil	
Sample Location:			MPT-50-SD07		MPT-50-SD07		MPT-50-SD08		MPT-50-SD08	
Sample No.:			MPT506SS01		MPT50BS01		MPT50SS02		MPT50BS02	
Date Sampled:			04/23/92		04/23/92		04/23/92		04/23/92	
Sample Depth (ft bls)			0 to 0.5		3 to 4		0 to 0.5		3 to 4	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
206-44-0	Fluoranthene	µg/kg	--		--		--		--	
129-00-0	Pyrene	µg/kg	--		--		--		--	
85-68-7	Butylbenzylphthalate	µg/kg	--		--		--		--	
56-55-3	Benzo[a]anthracene	µg/kg	--		--		--		--	
218-01-9	Chrysene	µg/kg	--		--		--		--	
117-81-7	bis(2-Ethylhexyl) phthalate	µg/kg	51	J	--		--		--	
117-84-0	Di-n-Octyl phthalate	µg/kg	--		--		--		--	
205-99-2	Benzo[b]Fluoranthene	µg/kg	--		--		--		--	
207-08-09	Benzo[k]Fluoranthene	µg/kg	--		--		--		--	
50-32-8	Benzo[a]Pyrene	µg/kg	--		--		--		--	

See notes at end of table.

Table 4-5 (Continued)
Organic Analytes Detected in Sediment Samples (Unsaturated) at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:			21541		21541		21541		21541	
Sample Matrix:			Soil		Soil		Soil		Soil	
Sample Location:			MPT-50-SD11		MPT-50-SD11		MPT-50-SD12		MPT-50-SD12	
Sample No.:			MPT50SS05		MPT50BS05		MPT50SS06		MPT-50-BS-06	
Date Sampled:			04/23/92		04/23/92		04/23/92		04/23/92	
Sample Depth (ft bls):			0 to 0.5		3 to 4		0 to 0.5		3 to 4	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
206-44-0	Fluoranthene	µg/kg	--		130	J	--		--	
129-00-0	Pyrene	µg/kg	--		130	J	--		--	
85-68-7	Butylbenzylphthalate	µg/kg	--		--		8,530	J	--	
56-55-3	Benzo[a]anthracene	µg/kg	--		100	J	--		--	
218-01-9	Chrysene	µg/kg	--		120	J	--		52	J
117-81-7	bis(2-Ethylhexyl) phthalate	µg/kg	65	J	760	J	15,300	J	--	
117-84-0	Di-n-octyl phthalate	µg/kg	--		--		90	J	--	
205-99-2	Benzo[b]fluoranthene	µg/kg	--		100	J	--		46	J
207-08-09	Benzo[k]fluoranthene	µg/kg	--		93	J	--		--	
50-32-8	Benzo[a]pyrene	µg/kg	--		71	J	--		--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.

SWMU = solid waste management unit.
ft bls = feet below land surface.
Conc. = concentration.
Qual. = qualifier.
µg/ℓ = micrograms per liter.
-- = analyte not detected.
"J" = estimated value.

Table 4-6
Inorganic Analytes Detected in the Sediment Samples (Unsaturated) at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:			21541		21541		21541		21541	
Sample Matrix:			Soil		Soil		Soil		Soil	
Sample Location:			MPT-50-SD07		MPT-50-SD07		MPT-50-SD08		MPT-50-SD08	
Sample No.:			MPT50SS01		MPT50BS01		MPT50SS02		MPT50BS02	
Date Sampled:			04/23/92		04/23/92		04/23/92		04/23/92	
Sample Depth (ft bls)			0 to 0.5		3 to 4		0 to 0.5		3 to 4	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
7440-36-0	Antimony	mg/kg	--		2.8	J	--		3.2	J
7440-38-2	Arsenic	mg/kg	0.7	J	0.85	J	0.73	J	0.6	J
7440-39-3	Barium	mg/kg	2	J	2.6	J	2.7	J	2.2	J
7440-41-7	Beryllium	mg/kg	--		--		--		--	
7440-43-9	Cadmium	mg/kg	--		--		--		--	
7440-47-3	Chromium	mg/kg	2	J	1.8	J	3.3		2.6	J
7440-48-4	Cobalt	mg/kg	--		--		1.4	J	--	
7440-50-8	Copper	mg/kg	4.2	J	3.1	J	2.1	J	1.9	J
7440-92-1	Lead	mg/kg	0.58	J	4.2		1.4		3	
7440-02-0	Nickel	mg/kg	8.6	J	3.1	J	2	J	1.3	J
7440-49-2	Selenium	mg/kg	--		--		--		--	
7440-22-4	Silver	mg/kg	--		--		--		--	
7440-62-2	Vanadium	mg/kg	0.96	J	0.83	J	1.9	J	1.2	J
7440-66-6	Zinc	mg/kg	7.5		7.7		11.7		7.9	
5955-70-0	Cyanide	mg/kg	--		--		--		--	

See notes at end of table.

Table 4-6 (Continued)
Inorganic Analytes Detected in Sediment Samples (Unsaturated) at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:			21541		21541		21541		21541	
Sample Matrix:			Soil		Soil		Soil		Soil	
Sample Location:			MPT-50-SD09		MPT-50-SD09		MPT-50-SD10		MPT-50-SD10	
Sample No.:			MPT50SS03		MPT50BS03		MPT50SS04		MPT50BS04	
Date Sampled:			04/23/92		04/23/92		04/23/92		04/23/92	
Sample Depth (ft bls)			0 to 0.5		3 to 4		0 to 0.5		3 to 4	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
7440-36-0	Antimony	mg/kg	--		--		--		--	
7440-38-2	Arsenic	mg/kg	1.5	J	2.5		5.7		6.7	
7440-39-3	Barium	mg/kg	2.2	J	3.1	J	16.9	J	12.4	J
7440-41-7	Beryllium	mg/kg	--		--		0.82	J	0.59	J
7440-43-9	Cadmium	mg/kg	--		--		--		1.6	
7440-47-3	Chromium	mg/kg	3		6.3		25.4		18.6	
7440-48-4	Cobalt	mg/kg	--		--		3.7	J	2.5	J
7440-50-8	Copper	mg/kg	4.7	J	2.5	J	9.7		11.1	
7440-92-1	Lead	mg/kg	1.7		2.7		13.4		13.5	
7440-02-0	Nickel	mg/kg	26.1	J	3.3	J	5.8	J	7.1	J
7440-49-2	Selenium	mg/kg	--		--		--		--	
7440-22-4	Silver	mg/kg	--		--		--		--	
7440-62-2	Vanadium	mg/kg	1.4	J	4.5	J	28.8		18.1	
7440-66-6	Zinc	mg/kg	11.3		8		43.1		44.2	
5955-70-0	Cyanide	mg/kg	--		--		--		--	

See notes at end of table.

Table 4-6 (Continued)
Inorganic Analytes Detected in Sediment Samples (Unsaturated) at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:			21541		21541		21541		21541	
Sample Matrix:			Soil		Soil		Soil		Soil	
Sample Location:			MPT-50-SD11		MPT-50-SD11		MPT-50-SD12		MPT-50-SD12	
Sample No.:			MPT50SS05		MPT50BS05		MPT50SS06		MPT50BS06	
Date Sampled:			04/23/92		04/23/92		04/23/92		04/23/92	
Sample Depth (ft bls):			0 to 0.5		3 to 4		0 to 0.5		3 to 4	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
7440-36-0	Antimony	mg/kg	--		--		3.2	J	36.2	
7440-38-2	Arsenic	mg/kg	13.8		15.5		1.9	J	2.7	
7440-39-3	Barium	mg/kg	29.2	J	24.1	J	9.5	J	6.9	J
7440-41-7	Beryllium	mg/kg	1.5		1.4	J	--		--	
7440-49-9	Cadmium	mg/kg	1	J	1.7		--		--	
7440-47-3	Chromium	mg/kg	43.2		40.4		6.4		6.1	
7440-48-4	Cobalt	mg/kg	6.5	J	6.3	J	1.2	J	1.4	J
7440-50-8	Copper	mg/kg	23.1		18.7		23		13.4	
7440-92-1	Lead	mg/kg	41.4		49.4		28.3		11.9	
7440-02-0	Nickel	mg/kg	13.5		11	J	1.8	J	3.4	J
7440-49-2	Selenium	mg/kg	0.77	J	0.7	J	--		--	
7440-22-4	Silver	mg/kg	0.54	J	--		--		--	
7440-62-2	Vanadium	mg/kg	49.2		49.2		3.3	J	5.6	J
7440-66-6	Zinc	mg/kg	84.5		78.6		38.1		23.3	
5955-70-0	Cyanide	mg/kg	--		--		9.4		1.4	J

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.

SWMU = solid waste management unit.
ft bls = feet below land surface.
Conc. = concentration.
Qual. = qualifier.
mg/kg = milligrams per kilogram.
-- = analyte not detected.
"J" = estimated value.

Table 4-7
Chemicals of Potential Concern in Sediment Samples Collected at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]		Long and Others		MacDonald[6]		Cleanup goals for Military Sties in Florida[9]	Analyte CPC (Yes/No)	Reas-on[10]
					Mayport Turning Basin	St. Johns River	ER-L[5]	ER-M[6]	TEL[7]	PEL[8]			
Volatiles (µg/kg)													
Not analyzed													
Semivolatiles (µg/kg)													
Benzo[a]anthracene	3/18	350 to 1,000	74 to 190	121	ND	ND	261	1,600	74.8	693	4,900	Yes	
Benzo[a]pyrene	2/18	350 to 1,000	71 to 150	111	ND	ND	430	1,600	88.8	763	500	Yes	
Benzo[b]fluoranthene	3/18	350 to 1,000	46 to 180	109	ND	ND	NA	NA	NA	NA	4,900	Yes	
Benzo[k]fluoranthene	2/18	350 to 1,000	93 to 140	117	ND	ND	NA	NA	NA	NA	47,000	Yes	
Butylbenzylphthalate	1/18	350 to 1,000	8,530	8,530	148	ND	NA	NA	NA	NA	300,000,000	Yes	
Chrysene	5/18	350 to 1,000	52 to 230	123	ND	ND	384	2,800	108	846	490,000	Yes	
Di-n-Octyl-phthalate	1/18	350 to 1,000	90	90	ND	ND	NA	NA	NA	NA	32,000,000	Yes	
bis(2-Ethylhexyl)-phthalate	8/18	350 to 890	51 to 15,300	2,123	ND	ND	NA	NA	182	2,647	100,000	Yes	
Fluoranthene	5/18	350 to 690	120 to 515	217	97	ND	600	5,100	21.23	144	44,000,000	Yes	
Pyrene	5/18	350 to 690	130 to 450	240	ND	ND	465	2,600	153	1,398	37,000,000	Yes	
Pesticides/PCBs (µg/kg)													
No analytes detected													

See notes at end of table.

Table 4-7 (Continued)
Chemicals of Potential Concern Sediment Samples Collected at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]		Long and Others		MacDonald[6]		Cleanup goals for Military Sites in Florida[9]	Analyte CPC (Yes/No)	Reason[10]
					Mayport Turning Basin	St. Johns River	ER-L[5]	ER-M[6]	NOEL[7]	PEL[8]			
Inorganics (mg/kg)													
Antimony	5/18	2.3 to 6.7	2.8 to 36.2	10.4	ND	ND	NA	NA	NA	NA	210	Yes	
Arsenic	18/18	NR	0.6 to 16.4	7.2	18	1.22	8.2	70	7.24	41.6	3.0	No	B
Barium	18/18	NR	2 to 29.2	13.7	33.8	6.4	NA	NA	NA	NA	74,000	No	B
Beryllium	9/18	0.12 to 0.29	0.59 to 1.6	1.3	1.5	0.12	NA	NA	NA	NA	0.2	Yes	
Cadmium	4/18	0.62 to 1.8	1 to 1.7	1.5	ND	ND	1.2	9.6	0.676	4.21	600	Yes	
Chromium	18/18	NR	1.8 to 46.3	21.4	53	3.4	81	370	52.3	160	220	No	L, M, N, P
Cobalt	12/18	0.75 to 0.92	1.2 to 6.7	4.4	8.6	ND	NA	NA	NA	NA	110,000	No	B
Copper	18/18	NR	1.9 to 32.2	13.2	130.2	ND	34	270	18.7	180	72,000	No	B
Lead	18/18	NR	0.58 to 49.4	17.2	26	2.2	46.7	218	30.2	112	1,000	Yes	
Nickel	17/18	0.93 to 0.93	1.3 to 26.1	9.2	44.6	ND	20.9	51.6	15.9	42.8	11,000	No	B
Selenium	5/18	0.25 to 0.75	0.7 to 1.2	0.84	ND	ND	NA	NA	NA	NA	9,900	Yes	
Silver	1/18	0.36 to 1.1	0.54	0.54	ND	ND	1	3.7	0.733	1.7	8,000	No	L, M, N, P
Vanadium	18/18	NR	0.83 to 51.3	22.6	56.2	2.2	NA	NA	NA	NA	4,800	No	B
Zinc	18/18	NR	6.4 to 90.1	43	139.2	3.6	150	410	124	271	550,000	No	B
Cyanide	4/18	0.19 to 0.55	0.52 to 9.4	3.1	ND	ND	NA	NA	NA	NA	40,000	Yes	

See notes on next page.

Table 4-7 (Continued)
Chemicals of Potential Concern Sediment Samples Collected at SWMU 50

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Notes from previous pages.

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U," or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] Effects range-low (ER-L) value represents a concentration intended to estimate conditions in which effects would be rarely observed. Source: "Incidence of Adverse Biological Effects within Ranges of Chemical Concentrations in Marine and Estuarine Sediments" by Long and others, National Oceanic and Atmospheric Administration, 1993.
[6] Effects range-median (ER-M) represents the concentration where effects would occasionally occur. Source: "Incidence of Adverse Biological Effects within Ranges of Chemical Concentrations in Marine and Estuarine Sediments" by Long and others, National Oceanic and Atmospheric Administration, 1993.
[7] Threshold Effects Level (TEL) is a concentration at which no effects have been observed in any test species or biological community. Source: "Approach to the Assessment of Sediment Quality in Florida Coastal Waters," MacDonald, November, 1994.
[8] Probable Effects Level (PEL) is the lower concentration limits at which adverse effects may first be observed. Source: "Approach to the Assessment of Sediment Quality in Florida Coastal Waters", MacDonald, November 1994.
[9] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the Industrial Worker based on a cancer risk and 10^{-6} an adjusted hazard quotient of 1.
[10] Analytes were excluded from the risk assessment for the following reasons:
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations listed below (for inorganic compounds only).
L = the maximum detected concentration did not exceed the Effects Range-Low (ER-L).
M = the maximum detected concentration did not exceed the Effects Range- Medium (ER-M).
N = the maximum detected concentration did not exceed the Threshold Effects Level (TEL).
P = the maximum detected concentration did not exceed the Probable Effects Level (PEL)

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 50SD01; 50SD02; 50SD03; 50SD04; 50SD05; 50SD06; 50SS01; 50BS01; 50SS02; 50BS02; 50SS03; 50BS03; 50SS04; 50BS04; 50SS05; 50BS05; 50SS06; and 50BS06.
Duplicate sample locations include: 50SD02DUP.
Background sample locations include: Turning Basin - MPT-B-SD10; MPT-B-SD11; MPT-B-SD12.
St. Johns River - MPT-B-SD13; MPT-B-SD14; MPT-B-SD15
Duplicate background sample locations include: Turning Basin - MPT-B-SD12DUP

CPC = chemicals of potential concern.
µg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilograms.

surface water standard (50 μg/ℓ). The AWQC acute criteria (69 μg/ℓ) for protection of aquatic life was not exceeded.

Barium was detected in each of the surface water samples and duplicate, and was detected in both of the background surface water samples. The highest of the background screening values for barium was detected in the Mayport Turning Basin sample (15.2 μg/ℓ). Four of the surface water samples contained barium at concentrations that exceeded this background screening value. Currently, there are no AWQC or Class III marine bench mark values established for barium.

Cobalt was detected as a single occurrence, and was not detected in the background samples. Currently, there are no AWQC or Class III marine bench mark values established for cobalt.

Lead was detected in the three samples and duplicate from the western dredge material holding area and not in the eastern dredge material holding area. Lead was not detected in the background sediment samples. Lead was detected in three surface water samples and duplicate at concentrations that exceed the AWQC chronic criteria (8.5 μg/ℓ) for protection of aquatic life and the Class III marine surface water standard (5.6 μg/ℓ). The AWQC acute criteria (220 μg/ℓ) for protection of aquatic life was not exceeded.

Nickel was detected in four of the surface water samples and the duplicate. The corresponding sample to the duplicate did not contain detectable concentrations of nickel. Nickel was not detected in the background samples. Nickel was detected in the surface water samples and duplicate at concentrations that exceed the AWQC chronic criteria (8.3 μg/ℓ) for protection of aquatic life and the Class III marine surface water standard (8.3 μg/ℓ). The AWQC acute criteria (75 μg/ℓ) for protection of aquatic life was not exceeded.

Tin was detected in three of the surface water samples. The highest of the background screening values for tin was detected in the Mayport Turning Basin sample (19.8 μg/ℓ). The detected concentrations of tin exceeded this background screening value. Currently, there are no AWQC or Class III marine bench mark values established for tin.

Vanadium was detected in each of the surface water samples and in the background samples from Mayport Turning Basin (background screening value 3.6 μg/ℓ). Each of the samples contained vanadium at concentrations that exceeded the background screening value. Currently, there are no AWQC or Class III marine bench mark values established for vanadium.

Zinc was detected as a single occurrence in a surface water sample collected from the eastern dredge material holding area. The highest of the background screening values for zinc was detected in the Mayport Turning Basin sample (5.8 μg/ℓ). The detected concentrations of zinc exceeded this background screening value. Zinc was detected in the surface water sample at a concentration that exceeded the AWQC chronic criteria (86 μg/ℓ) and approached the acute criteria (95 μg/ℓ) for protection of aquatic life. The detected concentration of zinc (94 μg/ℓ) also exceeded the Class III Marine surface water standard (86 μg/ℓ).

Sediment. Pesticides and PCBs were not detected in the sediment samples. Chemicals of potential concern consist of 10 SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, butylbenzylphthalate, chrysene, di-n-octylphthalate, bis(2-ethylhexyl)phthalate, fluoranthene, and pyrene) and six inorganic analytes (antimony, beryllium, cadmium, lead, selenium, and cyanide). The

inorganic analytes were detected in the surface water samples and exceeded either background screening values (surface water samples collected from Mayport Turning Basin and the St. Johns River) or bench mark values.

Because the dredge material holding areas are at capacity and are not likely to be used unless material is removed, a comparison of the CPCs with bench mark values (residential exposure and industrial worker) for FDEP cleanup goals for soil is also made in this section. If an FDEP cleanup goal is not available, the default will be to the proposed Superfund SSL bench mark values. The bench mark values for the residential FDEP cleanup goals and proposed Superfund SSLs are not included in Table 4-7.

Benzo(a)anthracene was detected in three sediment samples and was not detected in the background sediment samples. One of the samples contained benzo(a)anthracene at a concentration (190 μg/kg) that exceeded the MacDonald TEL (74.8 μg/kg), but not the PEL (693 μg/kg). The bench mark values for the ER-L (261 μg/kg) and ER-M (1,600 μg/kg) were not exceeded. The detected concentrations of benzo(a)anthracene were below the residential (1,400 μg/kg) and industrial worker (4,900 μg/kg) FDEP cleanup goal for soil.

Benzo(a)pyrene was detected in two sediment samples, and was not detected in the background sediment samples. One sample contained benzo(a)pyrene at a concentration (150 μg/kg) that exceeded the TEL (88.8 μg/kg) but not the PEL or ER-L and ER-M bench mark values. The detected concentration of benzo(a)pyrene was above the residential (140 μg/kg) clean up criteria and below the industrial worker criteria (500 μg/kg).

Benzo(b)fluoranthene was detected in three sediment samples, and was not detected in the background sediment samples. Currently there are no bench mark values established for benzo(b)fluoranthene by Long and others (1993) and MacDonald (1994). The detected concentrations of benzo(b)fluoranthene were below the residential (1,400 μg/kg) and industrial worker (5,010 μg/kg) FDEP cleanup goal in soil.

Benzo(k)fluoranthene was detected in two sediment samples, and was not detected in the background sediment samples. Currently there are no bench mark values established for benzo(b)fluoranthene by Long and others (1993) and MacDonald (1994). The detected concentrations of benzo(k)fluoranthene were below the residential (1,400 μg/kg) and industrial worker (4,900 μg/kg) FDEP cleanup goal in soil.

Butylbenzylphthalate was detected as a single occurrence (8,530 μg/kg), and in the background sediment samples from the Mayport Turning Basin. Currently there are no bench mark values established for butylbenzylphthalate by Long and others (1993) or MacDonald (1994). The detected concentrations of butylbenzylphthalate were below the residential (15,000,000 μg/kg) and industrial worker (300,000,000 μg/kg) FDEP cleanup goal for soil.

Chrysene was detected in five sediment samples and was not detected in the background sediment samples. One of the samples contained chrysene at a concentration (230 μg/kg) that exceeded the TEL (108 μg/kg), but not the PEL (846 μg/kg). The bench mark values for the ER-L (384 μg/kg) and ER-M (2,800 μg/kg) were not exceeded. The detected concentrations of chrysene were below the residential (14,000 μg/kg) and industrial worker (490,000 μg/kg) FDEP cleanup goal in soil.

Di-n-octylphthalate was detected as a single occurrence (90 μg/kg), and was not detected in the background sediment samples. Currently there are no bench mark values established for di-n-octylphthalate by Long and others (1993) and MacDonald (1994).

The detected concentration of di-n-octylpohthalate was less than the residential (1,500,000 μg/kg) and industrial worker (32,000,000 μg/kg) FDEP cleanup goal in soil.

Bis(2-ethylhexyl)phthalate was detected in eight of the sediment samples and was not detected in the background sample. Four of the 18 sediment samples contained bis(2-ethylhexyl)phthalate at concentrations that exceed the TEL (182 μg/kg). The detected concentration of bis(2-ethylhexyl)phthalate was less than the residential (45,000 μg/kg) and industrial worker (100,000 μg/kg) FDEP cleanup goal in soil.

Fluoranthene was detected in five sediment samples and in the background sediment samples from the Mayport Turning Basin. One of the samples contained fluoranthene at a concentration (530 μg/kg) that exceeded the TEL (21.23 μg/kg), and PEL (144 μg/kg) values. The benchmark values for the ER-L (600 μg/kg) and ER-M (5,100 μg/kg) were not exceeded. The detected concentrations of fluoranthene were below the residential (800,000 μg/kg) and industrial worker (44,000,000 μg/kg) FDEP cleanup goal in soil.

Pyrene was detected in five sediment samples and not in the background sediment samples. Four out of five samples contained pyrene at a concentration above the TEL (153 μg/kg) but not the PEL (1,398 μg/kg). The bench mark values for the ER-L (465 μg/kg) and ER-M (2,600 μg/kg) were not exceeded. The detected concentrations of pyrene were below the residential (2,200,000 μg/kg) and industrial worker (37,000,000 μg/kg) FDEP cleanup goal in soil.

Antimony was detected in five of the sediment samples and was not detected in the background sediment samples. Currently, there are no bench mark values established for antimony by Long and others (1993) or MacDonald (1994). A single sample contained antimony at a concentration (36.2 mg/kg) that exceeded the residential (26 mg/kg) FDEP cleanup goal but less than the industrial worker (210 mg/kg) cleanup goal in soil.

Beryllium was detected in nine of the sediment samples and in both the St. Johns River and Mayport Turning Basin background samples. The highest of the background screening values (1.5 mg/kg) was detected in the sample from the St. Johns River. One of the samples contained beryllium at the concentration detected in the background sample and one sample contained beryllium at a concentration that exceeded this value (1.6 mg/kg). Currently, there are no bench mark values established for beryllium by Long and others (1993) or MacDonald (1994). Each of the environmental samples contained beryllium at concentrations that exceed residential (0.1 mg/kg) and industrial worker (0.2 mg/kg) cleanup goals in soil.

Cadmium was detected in four of the sediment samples, and was not detected in the background sediment samples. Each of the detected concentrations of cadmium exceeded the TEL (0.676 mg/kg) and three of the samples exceeded the ER-L (1.2 mg/kg). The detected concentrations of cadmium did not exceed the PEL (4.21 mg/kg) or the ER-L (9.6 mg/kg). The detected concentrations of cadmium were below the residential (37 mg/kg) and industrial worker (600 mg/kg) FDEP cleanup goal in soil.

Lead was detected in 18 of the sediment samples and was detected in both of the background sediment samples. The highest of the background screening values (26 mg/kg) was detected in the sample from the St. Johns River. Six of the detected concentrations of lead exceeded the background screening value. Four of the samples contained lead at concentrations that exceeded the TEL (30.2 mg/kg), and one of the samples exceeded the ER-L (46.7 mg/kg). The detected concentrations of lead did not exceed the PEL (112 mg/kg) or the ER-L (218 mg/kg). The detected concentrations of lead were below the residential (500 mg/kg) and industrial worker (1,000 mg/kg) FDEP cleanup goal in soil.

Selenium was detected in five of the sediment samples and was not detected in the background sediment samples. Currently there are no bench mark values established for selenium by Long and others (1993) or MacDonald (1994). Each of the environmental samples contained selenium at concentrations less than residential (390 mg/kg) and industrial worker (8,000 mg/kg) cleanup goals in soil.

Cyanide was detected in four of the sediment samples and was not detected in the background sediment samples. Currently, there are no bench mark values established for cyanide by Long and others (1993) and MacDonald (1994). Each of the environmental samples contained cyanide at concentrations less than residential (1,600 mg/kg) and industrial worker (40,000 mg/kg) cleanup goals in soil.

4.5 CONCLUSIONS AND RECOMMENDATIONS.

4.5.1 Conclusions

Surface Water. SVOCs, pesticides, and PCBs were not detected in the surface water samples. The surface water samples were not analyzed for VOCs. Twelve inorganic analytes were detected including antimony, arsenic, barium, cadmium, chromium, cobalt, lead, nickel, tin, vanadium, zinc, and cyanide (Table 4-1).

Chemicals of potential concern consist of eight inorganic analytes (arsenic, barium, cobalt, lead, nickel, tin, vanadium, and zinc) that were detected in the surface water samples and exceeded either background screening values (surface water samples collected from Mayport Turning Basin and the St. Johns River) or bench mark values (Table 4-2).

The surface water in the western and eastern dredge material holding areas is an ephemeral feature that is present during dredging activities and varies depending on the frequency and amount of rainfall. Target analytes and concentrations present in the surface water are expected to have considerable variation because of variations in the type of water placed in the holding areas (sea water or brackish water and rainwater).

Because the dredge material holding areas do not maintain water for a sufficient duration, use of this area for harvesting of aquatic species is not viable; however, it is a viable area for foraging by birds. Surface water in the dredge material holding areas is discharged to adjacent marsh areas. The marsh areas are a Class III marine environment.

Sediment. Pesticides and PCBs were not detected in the sediment samples. Target analytes detected in the sediment samples consist of 10 SVOCs (benzo(a)anthracene, benzo(a)pyrene, benzo(b)fluoranthene, benzo(k)fluoranthene, butylbenzylphthalate, chrysene, di-n-octylph-thalate, bis(2-ethylhexyl)phthalate, fluoranthene, and pyrene) and 15 inorganics (antimony, arsenic, barium, beryllium, cadmium, chromium, cobalt, copper, lead, nickel, selenium, silver, vanadium, zinc and cyanide) (Tables 4-3 through 4-6).

Chemicals of potential concern consist of the ten SVOCs and six inorganics (antimony, beryllium, cadmium, lead, selenium, and cyanide) (Table 4-7).

Only two of the SVOCs (butylbenzylphthalate and fluoranthene) were detected in background sediment samples. Organic analytes were not eliminated as a chemical of potential concern because of detection in the background samples. Two of the

inorganic target analytes that are chemicals of potential concern (beryllium and lead) were detected at concentrations that exceeded those detected in background sediment samples. The other inorganic analytes (antimony, cadmium, selenium, and cyanide) that are CPCs were not detected in the background sediment samples.

Because bench mark values have not been established by Long and others (1993) and MacDonald (1994) for benzo(k)fluoranthene, butylbenzylphthalate, di-n-octylphthalate, antimony, beryllium, selenium, and cyanide they were considered CPCs. Target analytes that exceeded the TEL were benzo(a)anthracene, benzo(a)pyrene, chrysene, and pyrene. Target analytes that exceeded the ER-L and TEL were fluoranthene, cadmium, and lead. None of the target analytes exceeded values for the ER-M or PEL.

Because the dredge material holding areas are at capacity and are not likely to be used unless material is removed, a comparison was made between the CPCs and bench mark values (residential and industrial worker exposure) for FDEP cleanup goals for soil. Concentrations of benzo(a)pyrene and antimony exceeded FDEP residential soil cleanup goals and concentrations of beryllium exceeded residential and industrial worker soil cleanup goals.

4.5.2 Recommendations Based on the analytical results, ecological diversity measurements and aquatic and sediment toxicity testing appear to be warranted as part of an RFI focused towards conducting an ecological risk assessment. However, before a commitment is made to the focused ecological risk assessment, the SWMU 50 analytical results should be assessed along with the results of the RFI being conducted for the Landfill SWMUs 2, 3, 4, and 5 which are located beneath and adjacent to SWMU 50. Data collected for the RFI was not included in this report because of the more comprehensive analysis performed for the RFI and to avoid redundancy. Both the RFA SV and RFI data will be used to assess additional sampling and analysis required to complete a focused ecological risk assessment for SWMU 50. Recommendations pertaining to the need for a focused ecological risk assessment at SWMU 50 will be made in the RFI report for the Group I SWMUs

The Navy plans to remove some of the dredge material to provide capacity for future maintenance dredging of Mayport Turning Basin. Existing data and data obtained from a focused ecological risk assessment, if required, and corrective measures study, if required, could provide an adequate basis to evaluate use, if any, of the dredge material such as for asphalt or concrete mix for roads.

The possible need for a focused ecological risk assessment is based on the following rationale.

- No pesticides or PCBs were detected in the surface water samples.
- The surface water in the western and eastern dredge material holding areas is an ephemeral feature that is present during dredging activities and varies depending on the frequency and amount of rainfall.
- Target analytes and concentrations present in the surface water are expected to have considerable variation because of the variations in the type of water placed in the holding areas (seawater or brackish water and rainwater).
- Because the dredge material holding areas do not maintain water for a sufficient duration, use of this area for recreation harvesting or aquatic species is not viable. These areas are viable habitat for small mammals, reptiles, and birds.

- Because bench mark values have not been established by Long and others (1993) and MacDonald (1994) for benzo(k)fluoranthene, butylbenzylphthalate, di-n-octylphthalate, antimony, beryllium, selenium, and cyanide they were considered CPCs.

- Target analytes that exceeded the TEL were benzo(a)anthracene, benzo(a)pyrene, chrysene, and pyrene. Target analytes that exceeded the ER-L and TEL were fluoranthene, cadmium, and lead. None of the target analytes exceeded values for the ER-M or PEL.

- Concentrations of benzo(a)pyrene and antimony exceed FDEP residential soil cleanup goals and concentrations of beryllium exceeded residential and industrial worker soil cleanup goals.

5.0 SWMU 56, BUILDING 1552 ACCUMULATION AREA

5.1 SITE DESCRIPTION AND BACKGROUND. SWMU 56 is a hazardous waste accumulation area located south of the squadron helicopter hangar, Building 1552. The site has been in operation since approximately 1985 (Figure 1-3). SWMU 56 consists of a 20-foot by 10-foot concrete pad that is surrounded by a chain-link fence. 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 an SWMU in the RFA because a stained area with sparse vegetation was observed east of the site (A.T. Kearney, 1989). Residual adsorbent material was also observed in the grass along the edge of the concrete pad (A.T. Kearney, 1989). The RFA suggested that soil samples be collected from the stained area and from the edge of the concrete pad on the east side and analyzed for VOCs, SVOCs, and metals (A.T. Kearney, 1989).

5.2 RFA SV FIELD INVESTIGATIONS. Based on the sampling program recommended in the RFA, four surface soil samples were collected in April 1992 from areas of apparent vegetative stress on the eastern side of the concrete pad (ABB-ES, 1992c) (Figure 5-1). Analytical results of these samples suggest a possible release of VOCs and SVOCs to soil and the possibility of an adverse impact to groundwater (ABB-ES, 1993b).

Confirmation sampling of soil and groundwater at SWMU 56 was performed during September 1994 by collecting additional surface and subsurface soil samples, and installing a single monitoring well, and collecting a groundwater sample. Four surface and four subsurface soil samples were collected on September 1, 1994, at the approximate locations of the previous surface soil samples (Figure 5-1). One monitoring well, MPT-56-MW1S, was installed August 3, 1994 (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 bls. During the 1994 sampling event, surface soil samples were collected from the land surface to 1 foot bls and subsurface soil samples were collected from 3 to 4 feet bls except MPT-56-BS04 which was collected from a sampling interval of 4 to 5 feet bls.

Because many field activities are common to all NAVSTA Mayport SWMUs, the sampling procedures for RFI and RFA SV (confirmatory sampling) events are described in Section 2.1, Summary of Exploration and Sampling Program, of the NAVSTA Mayport GIR, Volume I (ABB-ES, 1995b). Site-specific elements and deviations from sampling procedures, if any, particular to SWMU 56 are discussed in subsequent paragraphs, and standard operating procedures are referenced where necessary. Monitoring well installation, soil and groundwater sampling procedures, and associated equipment decontamination procedures were conducted in general conformance with USEPA Region IV standard operating procedures (USEPA, 1991a).

Soil Sample Collection Procedure. Surface and subsurface soil sampling was accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991) and Subsection 2.1.1, Soil Sampling, of the GIR (ABB-ES, 1995b).

Monitoring Well Installation Procedure. Drilling and well installation were accomplished as described in the NAVSTA Mayport RFI (ABB-ES, 1991), and Subsection 2.1.1, Monitoring Well and Piezometer Installation, of the GIR (ABB-ES, 1995b).

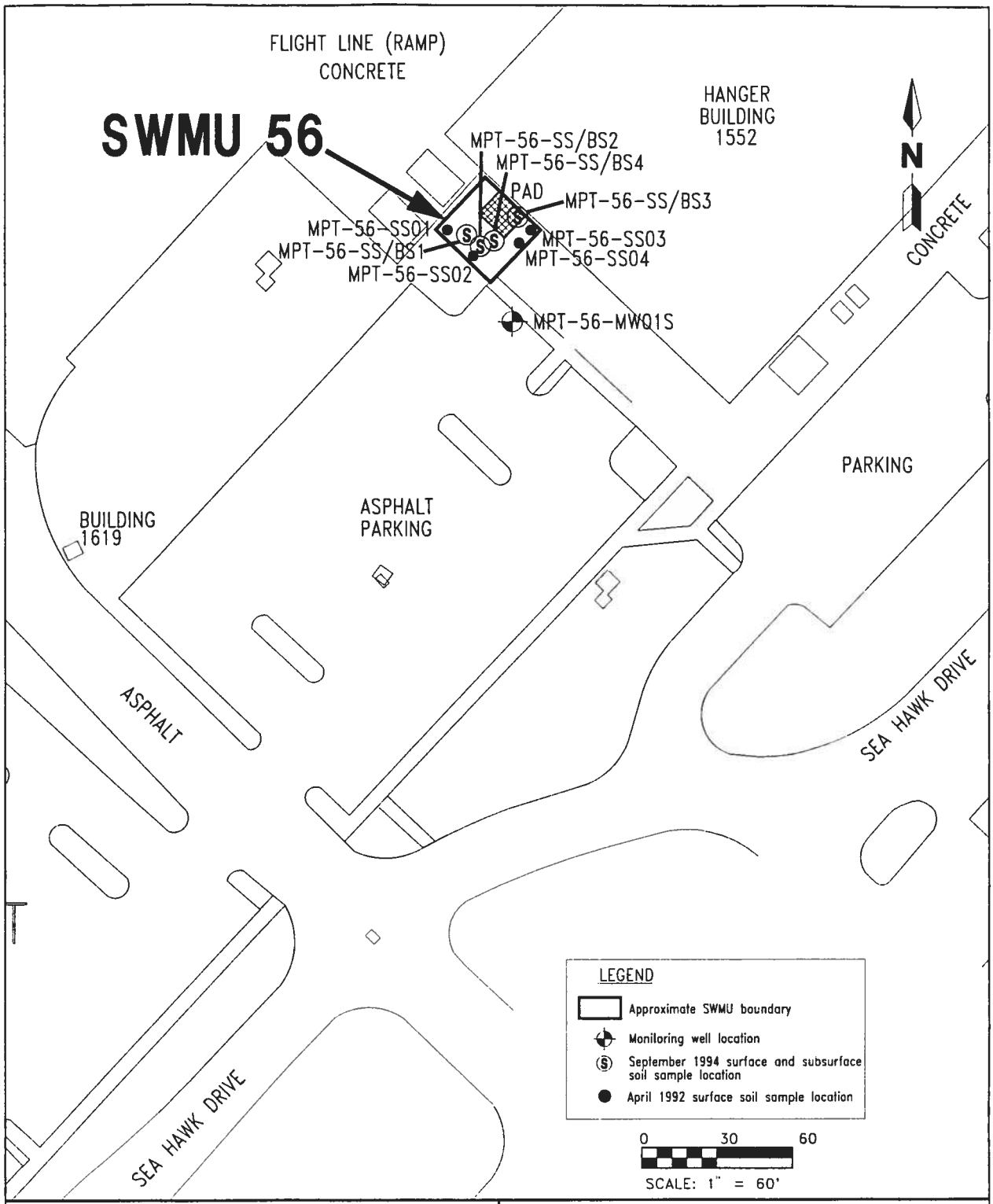

FIGURE 5-1

1992 AND 1994 SAMPLING LOCATIONS AT SWMU 56, BUILDING 1552 ACCUMULATION AREA

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Groundwater Sample Collection Procedure. Groundwater sampling was accomplished as described in Subsection 2.1.4, *Groundwater Sampling*, of the GIR (ABB-ES, 1995b).

Laboratory Analyses. Soil and groundwater samples were analyzed for the same target analytes including VOCs, SVOCs, pesticides, PCBs, metals, and cyanide selected from the groundwater monitoring list presented in Appendix IX (40 CFR 264) and USEPA Contract Laboratory Program target compound list and target analyte list. The environmental samples were analyzed using methods from Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW 846) (USEPA, 1986). A list of the target analytes is provided in Appendix A. Analytical results for each sample from the 1992 sampling event were presented in the RFA SV report, Phase 1 (ABB-ES, 1992c), and the results of the 1994 sampling event are included in Appendix B.

5.3 FINDINGS. The following presents a brief description of the results of the RFA SV sampling activities at SWMU 56. The findings include site geologic and hydrogeologic conditions and results of the analyses of surface and subsurface soil samples and groundwater samples.

Site Geology. In August 1994, one soil boring was drilled at SWMU 56 for the installation of a shallow monitoring well screened across the water table (Figure 5-1). The boring log for this monitoring well is found in the GIR, Appendix A, Boring Logs (ABB-ES, 1995b). The following is a description of the subsurface soils encountered at the boring location.

Boring MPT-56-MW01S (located near the southern corner of SWMU 56) encountered a fine sand that graded with depth to a fine silty sand with traces of shell fragments to approximately 10 feet bls, overlying a silty clay with a trace of shell fragments to the explored depth of 12.5 feet bls.

Geologic cross sections provided in the NAVSTA Mayport GIR (see Figures 3-3 and 3-4 ABB-ES, 1995b) depict subsurface geologic conditions in the vicinity of SWMU 56.

Site Hydrogeology. Groundwater levels at the SWMU 56 monitoring well and other RFI and RFA SV sites at NAVSTA Mayport were measured within a 7-hour period on August 30, 1994. The depth to the groundwater level at each location was measured relative to a notch or mark on the north side of each monitoring well surveyed to the NGVD of 1929 (commonly referred to as msl). The depth to groundwater at monitoring well MPT-56-MW01S is approximately 3 feet bls. Because only one monitoring well was installed at the site, a potentiometric surface map was not prepared specifically for SWMU 56; however, a potentiometric surface map (Figure 5-2) was prepared using monitoring wells for SWMU 13. Groundwater level data used to construct this and other potentiometric surface maps are provided in Appendix G. Based on the potentiometric surface shown on Figure 5-2, groundwater in the vicinity of SWMU 56 flows toward the southeast.

An approximation of the horizontal linear velocity of groundwater flow in the water table zone of the surficial aquifer in the vicinity of SWMU 56 is based on the potentiometric surface (hydraulic gradient) of the water table, estimates of radial hydraulic conductivities at monitoring well locations, and an estimate of the porosity (ratio of the volume of voids to total volume of the soil) of the saturated subsurface soil. The horizontal linear velocity was calculated from a modified form of Darcy's equation and represents the ratio of linear travel distance to travel time between two points (Freeze and Cherry, 1979). The horizontal linear velocity is expressed as V_D/N_e, where V_D is the Darcy velocity ($V_D = KI$, where K is the radial hydraulic

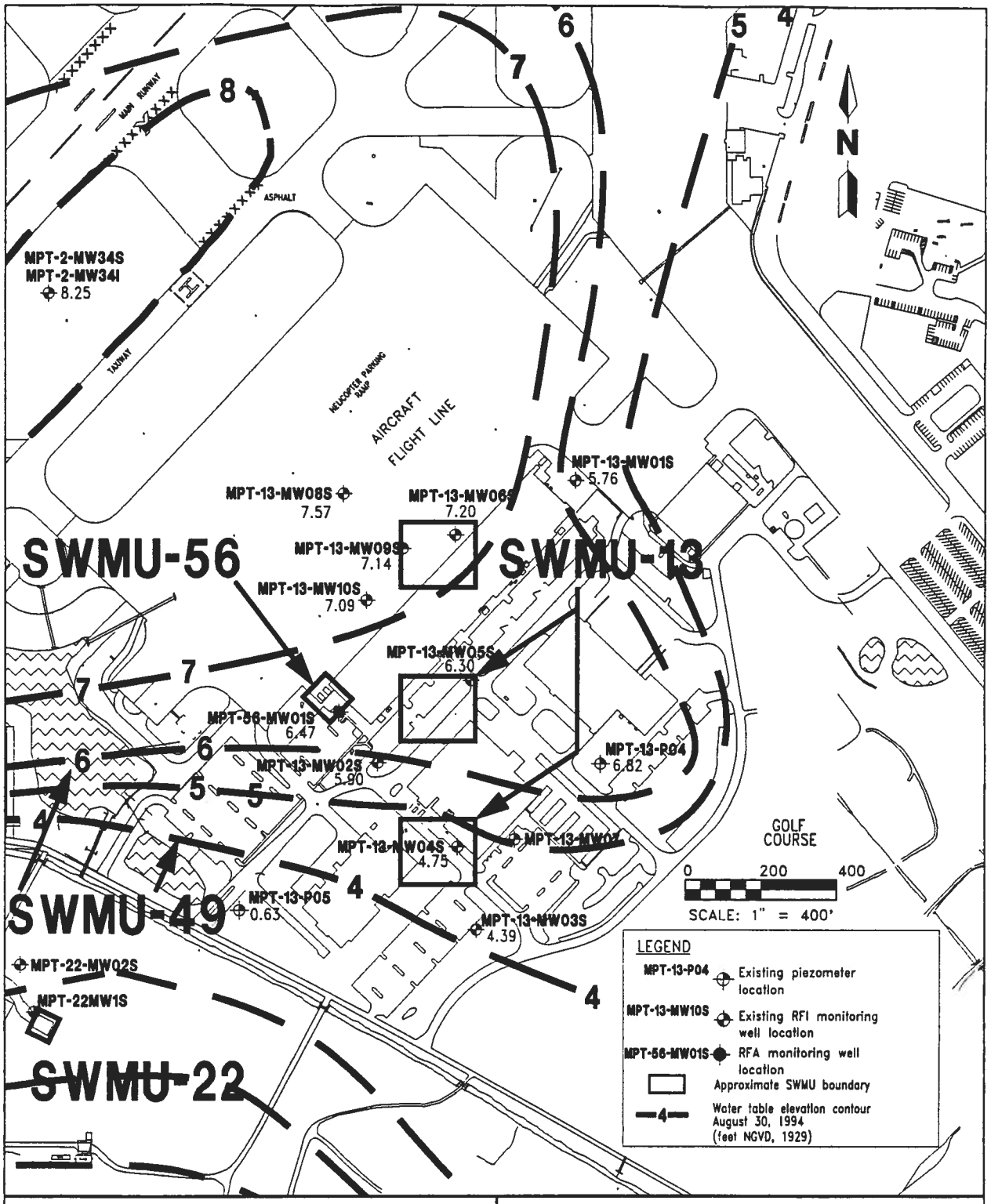

FIGURE 5-2

MONITORING WELL LOCATIONS AND POTENTIOMETRIC SURFACE MAP OF SWMU 56 AUGUST 30, 1994

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conductivity and I is the hydraulic gradient) and N_e is the effective porosity of the saturated geologic stratum. An effective porosity of 0.35 is used in these calculations. (See Section 3.2.3, Physical Characteristics of Soil, in the NAVSTA Mayport GIR, ABB-ES, 1995b).

In-situ radial hydraulic conductivity values for monitoring wells in the vicinity of SWMU 56 are presented in Table 5-1. The range of *in-situ* radial hydraulic conductivity values in the vicinity of SWMU 56 are approximately 1.3 feet per day (MPT-13-P5) to 18.1 feet per day (MPT-13-P1). The hydraulic gradient appears to be relatively uniform over SWMU 56 (0.006 ft/ft on August 30, 1994) and an approximation of the horizontal linear velocity of the groundwater ranges from approximately 0.03 to 0.31 foot per day.

Table 5-1
Average Groundwater Velocities at SWMU 56

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Location	Estimated Effective Porosity	Hydraulic Conductivity (feet per day)	Estimated Gradient[1] (feet per feet)	Estimated Linear Velocity (feet per day)	Estimated Linear Velocity (feet per year)
MPT-13-P1	0.35	18.1[2]	0.006	0.31	113
MPT-13-P4	0.35	15.1[2]	0.006	0.25	91
MPT-13-P5	0.35	1.3[2]	0.006	0.03	11

[1] Based on synoptic water table elevations.
[2] In-situ conductivity measurement during Phase 1 Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI), February 1992.

Based on the values for horizontal linear velocity and assuming no dilution, dispersion, or retardation, a contaminant in the water table zone of the surficial aquifer may travel at rates of 11 to 113 feet per year (Table 5-1).

Surface and Subsurface Soil Analytical Results. Tables 5-2 and 5-3 summarize the validated analytical results for organic and inorganic target analytes, respectively, detected in soil samples collected at SWMU 56. Complete analytical results are provided in Appendix B. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Tables 5-4 and 5-5 for surface and subsurface soil samples, respectively. The target analytes detected in the environmental samples were compared to background screening values computed from station wide surface and subsurface soil samples (ABB-ES, 1995b) and bench mark values consisting of USEPA soil screening guidance values (USEPA, 1994), USEPA Region III RBC (USEPA, 1995) and the State of Florida cleanup goals (FDEP, 1995). The state of Florida cleanup goals consisted of residential values for surface soil and industrial worker values for subsurface soil.

Each of the bench mark criteria provided in Tables 5-4 and 5-5 is human health based and represents the lower of either a noncarcinogenic HI of 1, where values of less than 1 represent a concentration at which noncarcinogenic effects are not likely or a lifetime excess cancer risk of 10^{-6}, which represents a chance of 1 in 1,000,000 for

an adverse carcinogenic effect for a continuous lifetime exposure. The concentrations listed for the USEPA Region III RBCs correspond to an HI of 0.1, whereas the USEPA Superfund SSLs and the State of Florida cleanup goals are based on an HI of 1. The Federal NCP, (40 CFR, Part 300) states that for carcinogens a lifetime excess cancer risk in the range of 10^{-4} (a chance of 1 in 10,000 for an adverse carcinogenic effect for a continuous lifetime exposure) to 10^{-6} represents concentrations that are considered by USEPA to be protective of human health.

Table 5-2 summarizes the validated analytical results for organic target analytes (VOCs, SVOCs, and pesticides) detected in surface and subsurface soil samples collected in 1992 and 1994 at SWMU 56 (Figure 5-1). The following is a discussion of the target analytes detected during the 1992 and 1994 sampling events.

Surface Soil Sampling, 1992. VOCs, SVOCs, metals, and cyanide were detected in various combinations and concentrations in surface soil samples collected during the 1992 sampling event (Table 5-1). 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 or tubing or other plastic items. Twelve metals including 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 (Table 5-2).

Surface and Subsurface Soil Sampling, 1994. VOCs, metals, and cyanide were detected in various combinations and concentrations in surface and subsurface soil samples collected during the 1994 sampling event (Table 5-1). SVOCs, PCBs, and cyanide were not detected in the surface 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 the analytical laboratory.

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 (Table 5-2). Metals detected in the subsurface soil samples were a subset of those detected in the surface soil samples, including arsenic, barium, lead, vanadium, and zinc.

Groundwater Analytical Results. A summary of groundwater quality parameters is provided in Table 5-6 and Table 5-7 summarizes the validated analytical results for the groundwater sample collected at SWMU 56. Table 5-7 also provides a summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values. The results of the analyses of the groundwater sample are provided in Appendix B. The target analytes detected in the groundwater sample were compared to background screening values computed from station wide background groundwater samples (ABB-ES, 1995b), and bench mark values

Table 5-2
Organic Analytes Detected in Soil Samples at SWMU 56

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Mayport, Florida

Analytical Batch No.:	20753		R8665		R8665		20753		R8665	
Sample Location:	MPT-56-SS01		MPT-56-SS01		MPT-56-SS01		MPT-56-SS02		MPT-56-SS02	
Sample No.:	MPT56SS01		56SS001		56SS001Dup		MPT56SS02		56SS002	
Date Sampled:	04/21/92		09/01/94		09/01/94		04/21/92		09/01/94	
Sample Depth (ft bls):	0 to 0.5		0 to 1		0 to 1		0 to 0.5		0 to 1	
Common Name	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
VOCs, Soil, (µg/kg)										
Acetone	--		--		8	J	--		--	
Acetonitrile	--		--		--		--		--	
Carbon disulfide	--		--		--		--		--	
Trichlorofluoromethane	--		--		--		7		--	
Chloroform	--		--		--		--		--	
2-Butanone	--		--		--		--		--	
4-Methyl-2-pentanone	--		--		--		--		--	
Toluene	--		--		--		--		--	
SVOCs, Soil, (µg/kg)										
Di-n-butyl Phthalate	--		--		--		--		--	
Butyl benzyl Phthalate	370	J	--		--		790	J	--	
bis(2-Ethylhexyl) Phthalate	1,600	J	--		--		1,800	J	--	
Pesticides, Soil, (µg/kg)										
4,4'-DDE	--		1	J	--		--		--	

See notes at end of table.

Table 5-2 (Continued)
Organic Analytes Detected in Soil Samples at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	20753		20753		R8665		21171		R8665	
Sample Location:	MPT-56-SS03		MPT-56-SS03		MPT-56-SS03		MPT-56-SS04		MPT-56-SS04	
Sample No.:	MPT56SS03		MPT56SS03Dup		56SS003		MPT56SS04		56SS004	
Date Sampled:	04/21/92		04/21/92		09/01/94		04/21/92		09/01/94	
Sample Depth (ft bls):	0 to 0.5		0 to 0.5		0 to 1		0 to 0.5		0 to 1	
Common Name	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
VOCs, Soil (µg/kg)										
Acetone	–		–		–		–		–	
Acetonitrile	30	J	10	J	–		–		–	
Carbon disulfide	3	J	–		–		3	J	–	
Trichlorofluoromethane	5	J	–		–		–		–	
Chloroform	–		5	J	–		–		–	
2-Butanone	–		–		–		7	J	–	
4-Methyl-2-pentanone	13		3	J	–		–		–	
Toluene	2	J	1	J	–		–		–	
SVOCs, Soil, (µg/kg)										
Di-n-butyl Phthalate	–		–		–		49	J	–	
Butyl benzyl Phthalate	–		–		–		–		–	
bis(2-Ethylhexyl) Phthalate	–		1,000	J	–		79	J	–	
Pesticides, Soil, (µg/kg)										
4,4'-DDE	–		–		–		–		1.5	

See notes at end of table.

Table 5-2 (Continued)
Organic Analytes Detected in Soil Samples at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	R8665		R8665		R8665		R8665	
Sample Location:	MPT-56-BS01		MPT-56-BS02		MPT-56-BS03		MPT-56-BS04	
Sample No.:	56BS001		56BS002		56BS03		56BS004	
Date Sampled:	09/01/94		09/01/94		09/01/94		09/01/94	
Sample Depth (ft bls):	3 to 4		3 to 4		3 to 4		4 to 5	
Common Name	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
VOCs, Soil, (µg/kg)								
Acetone	25		8	J	9	J	--	
Acetonitrile	--		--		--		--	
Carbon disulfide	--		--		--		--	
Trichlorofluoromethane	--		--		--		--	
Chloroform	--		--		--		--	
2-Butanone	--		--		--		--	
4-Methyl-2-pentanone	--		--		--		--	
Toluene	--		--		--		--	
SVOCs, Soil, (µg/kg)								
Di-n-butyl Phthalate	--		--		--		--	
Butyl benzyl Phthalate	--		--		--		--	
bis(2-Ethylhexyl) Phthalate	--		--		--		--	
Pesticides, Soil, (µg/kg)								
4,4'-DDE	1.8		6.3		2.4		2.1	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = identifies the duplicate of the corresponding environmental sample.

ft bls = sample collection depth in feet below land surface.
Conc. = concentration.
Qual. = qualifier.
VOCs = volatile organic compounds.
µg/kg = micrograms per kilogram.
-- = analyte not detected.
"J" = estimated value.
SVOCs = semivolatile organic compounds.
DDE = dichlorodiphenyldichloroethene.

Table 5-3
Inorganic Analytes Detected in Soil Samples at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	21510		R8665		R8665		21510		R8665	
Sample Location:	MPT-56-SS01		MPT-56-SS01		MPT-56-SS01		MPT-56-SS02		MPT-56-SS02	
Sample No.:	MPT56SS01		56SS001		56SS001Dup		MPT56SS02		56SS002	
Date Sampled:	04/21/92		09/01/94		09/01/94		04/21/92		09/01/94	
Sample depth (ft bls):	0 to 0.5		0 to 1		0 to 1		0 to 0.5		0 to 1	
Common Name Soil (mg/kg)	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
Arsenic	0.95	J	0.94	J	0.94	J	1.2	J	0.62	J
Barium	29.8	J	7.4	J	12.9	J	183		4.5	J
Beryllium	0.19	J	--		--		0.13	J	--	
Cadmium	4.3		0.39	J	2.1	J	3.1		--	
Chromium	33.7		7.2	J	17.6	J	29.3		3.7	J
Cobalt	2.9	J	--		--		1.6	J	--	
Copper	52.7		6.8	J	25.7	J	12.4		2.4	J
Lead	21.3		7.4	J	20.6	J	91.2	J	2.7	J
Nickel	6.2	J	2.1	J	5.5	J	8.4	J	1.5	J
Selenium	--		0.15	J	--		--		--	
Silver	0.64	J	--		--		0.47	J	--	
Thallium	--		--		--		--		--	
Vanadium	4.1	J	4.7	J	4.8	J	3.7	J	2.9	J
Zinc	228	J	24	J	88.8	J	133	J	8.4	J
Cyanide	--		--		--		--		--	

See notes at end of table.

Table 5-3 (Continued)
Inorganic Analytes Detected in Soil Samples at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	21510		21510		R8665		21510		R8665	
Sample Location:	MPT-56-SS03		MPT-56-SS03		MPT-56-SS03		MPT-56-SS04		MPT-56-SS04	
Sample No.:	MPT56SS03		MPT56SS03Dup		56SS003		MPT56SS04		56SS004	
Date Sampled:	04/21/92		04/21/92		09/01/94		04/21/92		09/01/94	
Sample depth (ft bls):	0 to 0.5		0 to 0.5		0 to 1		0 to 0.5		0 to 1	
Common Name Soil (mg/kg)	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
Arsenic	0.82	J	1.5	J	0.71	J	1.1	J	0.73	J
Barium	6.2	J	6.6	J	7.0	J	7.1	J	7.4	J
Beryllium	0.1	J	0.12	J	--		0.13	J	--	
Cadmium	--		--		0.23	J	--		0.42	J
Chromium	8.7		3.9		7.2	J	52.3		5.0	J
Cobalt	-		--		0.71	J	0.83	J	--	
Copper	4.1	J	3.5	J	3.9	J	5.1	J	6.3	J
Lead	8	J	4.9	J	7.9	J	4.9	J	7.0	J
Nickel	--		1.5	J	1.9	J	3.1	J	2.3	J
Selenium	--		--		--		--		0.14	J
Silver	--		--		--		--		--	
Thallium	--		--		--		--		0.15	J
Vanadium	3.6	J	3.5	J	4.8	J	3.4	J	4.1	J
Zinc	16.3	J	14.9	J	15.9	J	17.5	J	31.7	J
Cyanide	0.7	J	--		--		0.87	J	--	

See notes at end of table.

Table 5-3 (Continued)
Inorganic Analytes Detected in Soil Samples at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	21510		21510		21510		21510	
Sample Location:	MPT-56-BS01		MPT-56-BS02		MPT-56-BS03		MPT-56-BS04	
Sample No.:	56BS001		56BS002		56BS03		56BS004	
Date Sampled:	09/01/94		09/01/94		09/01/94		09/01/94	
Sample depth (ft bls):	3 - 4		3 - 4		3 - 4		4 - 5	
Common Name Soil (mg/kg)	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
Arsenic	0.55	J	0.61	J	0.48	J	0.42	J
Barium	3.1	J	2.5	J	--		3.2	J
Beryllium	--		--		--		--	
Cadmium	--		--		--		--	
Chromium	--		--		--		--	
Cobalt	--		--		--		--	
Copper	--		--		--		--	
Lead	1.2	J	0.98	J	0.92	J	0.97	J
Nickel	--		--		--		--	
Selenium	--		--		--		--	
Silver	--		--		--		--	
Thallium	--		--		--		--	
Vanadium	1.8	J	1.9	J	2.0	J	1.4	J
Zinc	--		5.4	J	--		6.7	J
Cyanide	--		--		--		--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = identifies the duplicate of the corresponding environmental sample.

ft bls = sample collection depth in feet below land surface.
mg/kg = milligrams per kilogram.
Conc. = concentration.
Qual. = qualifier.
"J" = estimated value.
-- = analyte not detected.

Table 5-4
Chemicals of Potential Concern in Surface Soil at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Volatiles (µg/kg)										
Acetone	1/8	10 to 21	6.8	6.8	ND	780,000	7,800,000	130,000	No	S, P, G
Acetonitrile	1/8	100 to 140	20	20	ND	47,000	NA	NA	No	S
2-Butanone	1/8	10 to 14	7	7	ND	4,700,000	NA	2,500,000	No	S, G
Carbon disulfide	4/8	5 to 5	2 to 3	2.5	ND	780,000	7,800,000	2,600	No	S, P, G
Chloroform	1/8	5 to 7	4	4	ND	100,000	110,000	300	No	S, P, G
4-Methyl-2-pentanone	1/8	10 to 14	8	8	ND	630,000	NA	310,000	No	S, G
Trichlorofluoro-methane	2/8	5 to 7	4 to 7	5.5	ND	2,300,000	NA	3,400	No	S, G
Toluene	1/8	5 to 7	1.5	1.5	ND	1,600,000	16,000,000	270,000	No	S, P, G
Semivolatiles (µg/kg)										
Butyl benzyl phthalate	2/8	360 to 3,000	370 to 790	580	ND	1,600,000	16,000,000	15,000,000	No	S, P, G
Di-n-butylphthalate	1/8	690 to 3,000	49	49	ND	780,000	7,800,000	7,500,000	No	S, P, G
bis(2-Ethylhexyl)phthalate	4/8	690 to 710	79 to 1,800	1,182	ND	46,000	46,000	45,000	No	S, P, G
Pesticides/PCBs (µg/kg)										
4-4'-DDE	2/8	0.69 to 220	0.68 to 1.5	1.1	2.3	1,900	2,000	2,900	No	S, P, G

See notes at end of table.

Table 5-4 (Continued)
Chemicals of Potential Concern in Surface Soil at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Inorganics (mg/kg)										
Arsenic	8/8	NR	0.62 to 1.2	0.93	ND	[9]0.37	0.4	0.7	Yes	
Barium	8/8	NR	4.5 to 183	31.9	5.6	550	5,500	5,000	No	S, P, G
Beryllium	4/8	0.09 to 0.16	0.11 to 0.19	0.14	0.16	0.15	0.1	0.1	Yes	
Cadmium	5/8	0.21 to 0.70	.23 to 4.3	1.9	2	3.9	39	37	Yes	
Chromium	8/8	NR	3.7 to 52.3	17.4	2.6	[10]39	[10]390	[10]150	Yes	
Cobalt	4/8	0.64 to 0.84	0.71 to 2.9	1.5	ND	470	NA	4,700	No	S, G
Copper	8/8	NR	2.4 to 52.7	12.9	2.2	290	NA	2,900	No	S, G
Lead	8/8	NR	2.7 to 91.2	15.5	ND	[11]400	[11]400	[11]500	No	S, P, G
Nickel	8/8	NR	0.98 to 8.4	3.5	ND	160	1,600	1,500	No	S, P, G
Selenium	2/8	0.12 to 0.32	0.11 to 0.14	0.13	1.36	39	390	390	No	B
Silver	2/8	0.37 to 0.45	0.47 to 0.64	0.56	ND	39	390	380	No	S, P, G
Vanadium	8/8	NR	2.9 to 4.1	3.9	4	55	550	480	No	S, P, G
Zinc	8/8	NR	8.4 to 228	63.3	2.6	2,300	23,000	23,000	No	S, P, G
Cyanide	2/8	0.14 to 0.26	0.40 to 0.87	0.64	ND	160	1,600	1,600	No	S, P, G

See notes on next page.

Table 5-4 (Continued)
Chemicals of Potential Concern in Surface Soil at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Notes from previous pages.

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III RBC tables dated February 1995, and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.
[7] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the aggregate resident based on a cancer risk of 10^{-6} and the child resident based on a hazard quotient of 1.
[8] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
- G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
- C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
- P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.

[9] The value is based on arsenic as a carcinogen.
[10] The value is based on chromium hexavalent form.
[11] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) sites.

Notes: The average of a sample and its duplicate is used for all table calculations.
Sample locations include: 56SS01; 56SS02; 56SS03; 56SS04; 56SS00101; 56SS00201; 56SS301; 56SS401
Duplicate sample locations include: 56SS03D; 56SS00101D
Background sample locations include: MPT-B-SS1; MPT-B-SS2; MPT-B-SS3; MPT-B-SS4; MPT-B-SS5; MPT-B-SS6
Duplicate background sample locations include: MPT-B-SS1DUP

CPC = chemicals of potential concern.
μg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.
DDE = dichlorodiphenyldichloroethene.
mg/kg = milligrams per kilograms.
NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.

Table 5-5
Chemicals of Potential Concern in Subsurface Soil at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC (Yes/No)	Reason[8]
Volatiles (µg/kg)										
Acetone	3/4	13	8 to 25	14	ND	780,000	7,800,000	890,000	No	S, P,G
Semivolatiles (µg/kg)										
No Analytes Detected										
Pesticides/PCBs (µg/kg)										
4,4'-DDE	4/4	NR	1.8 to 6.3	3.2	3.5	1,900	2,000	9,900	No	S, P, G
Inorganics (mg/kg)										
Arsenic	4/4	NR	0.42 to 0.61	0.52	0.9	[9]0.37	0.4	3.1	No	B
Barium	3/4	2.4	2.5 to 3.2	2.9	7.2	550	5,500	7,400	No	B
Lead	4/4	NR	0.92 to 1.2	1	2.8	[10]400	[10]400	1,000	No	B
Vanadium	4/4	NR	1.4 to 2	1.8	3.2	55	550	4,800	No	B
Zinc	2/4	3.8 to 3.9	5.4 to 6.7	6.1	4.8	2,300	23,000	550,000	No	S, P, G

See notes on next page.

Table 5-5 (Continued)
Chemicals of Potential Concern in Subsurface Soil at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III RBC tables dated February 1995 and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.
[7] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the industrial worker based on a cancer risk of 10^{-6} and the general worker based on a hazard quotient of 1.
[8] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
- G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
- C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
- P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.

[9] The value is based on arsenic as a carcinogen.
[10] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) sites.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 56BS00104; 56BS00204; 56BS00304; 56BS00405
Background sample locations include: MPT-B-BS1; MPT-AB-BS4; MPT-B-BS5; MPT-B-BS6
Duplicate background sample locations include: MPT-B-BS1DUP

CPC = chemicals of potential concern.
μg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.
NA = not available.
PCBs = polychlorinated biphenyls.
DDE = dichlorodiphenyldichloroethene.
mg/kg = milligrams per kilograms.

from USEPA Region III RBCs (USEPA, 1995) and Florida groundwater guidance concentrations (FDEP, 1994). The FDEP guidance concentrations include Federal and State promulgated and unpromulgated values. The State of Florida has promulgated some guidance concentrations at values lower than Federal values.

Each of the bench mark criteria provided in Table 5-7 is human health based and represents the lower of either a noncarcinogenic HI of 1 or a lifetime excess cancer risk of 10^{-6}. Bench mark values for a noncarcinogenic HI of 1 represent a concentration where noncarcinogenic effects are not likely. A bench mark value for a lifetime excess cancer risk of 10^{-6} represents a chance of 1 in 1,000,000 for an adverse carcinogenic effect for a continuous lifetime exposure.

The water quality parameters for the SWMU 56 groundwater monitoring wells were compared to the State of Florida secondary water quality criteria (Table 5-6). The value determined for color exceeded the State of Florida secondary water quality criteria for the groundwater sample. The water quality criteria are used to assess potable water from a water supply system and may not be directly applicable to a groundwater sample collected from a monitoring well.

The value for hardness as $CaCo_3$ (300 mg/ℓ) suggests that the groundwater would be considered very hard (greater than 180 mg/ℓ) (Durfor and Becker, 1964). The value for total dissolved solids (426 mg/ℓ) suggests that the groundwater would be considered fresh. The range for classifying water as fresh is 0 to 1,000 mg/ℓ total dissolved solids (Freeze and Cherry, 1979).

SVOCs, pesticides, PCBs, and cyanide were not detected in the groundwater sample. One VOC, acetone, was detected in the groundwater sample (Table 5-7). Seven inorganic analytes including barium, calcium, iron, magnesium, manganese, sodium, and vanadium were detected in the groundwater sample.

5.4 PRELIMINARY RISK EVALUATION.

Surface Soil. None of the VOCs, SVOCs, or pesticides detected in the surface soil samples exceeded the bench mark values. Four of the inorganic analytes, arsenic, beryllium, cadmium, and chromium, were detected in surface soil samples at concentrations that exceeded at least one of the bench mark values, which are based on a lifetime excess cancer risk of 10^{-6}.

Each of the eight surface soil samples contained arsenic at concentrations that exceeded the USEPA Region III RBC (0.37 mg/kg) and the proposed Superfund SSL (0.4 mg/kg). Seven of the eight samples contained arsenic at concentrations that exceed the FDEP cleanup goal (0.7 mg/kg). Arsenic was not detected in the background surface soil samples.

One sample contained beryllium at a concentration that exceeded the background screening value (0.16 mg/kg). Only one of eight samples contained beryllium at a concentration that exceeds the USEPA Region III RBC (0.15 mg/kg) and five of eight samples contained beryllium at concentrations that exceed the proposed Superfund SSL and Florida cleanup goal of 0.1 mg/kg. The surface soil background screening value for beryllium also exceed the bench mark values.

Three of eight samples contained cadmium at concentrations that exceeded the background screening value (2 mg/kg). Only one of eight samples contained

Table 5-6
Water Quality Parameters for Groundwater Samples at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:		M7505	M7515
Sample Matrix:		Groundwater	Groundwater
Sample Location:		MPT-26-MW01S	Secondary [1] Water Quality Criteria
Sample No.:		26MW0001S	
Date Sampled:		08/02/94	
Common Name	Units	Conc.	Conc.
Alkalinity as $CaCO_3$	mg/ℓ	283	--
Ammonia-N	mg/ℓ	1.8	--
Chloride	mg/ℓ	44.3	250,000
Color	APHA	120	15
Hardness as $CaCO_3$	mg/ℓ	300	--
Nitrate/Nitrite-N	mg/ℓ	0.48	10,000
Oil and Grease	mg/ℓ	NA	--
Phosphorous-P, Total	mg/ℓ	1.33	--
Sulfate	mg/ℓ	50	250,000
Sulfide	mg/ℓ	2.4	--
Total Dissolved Solids	mg/ℓ	426	500
Total Kjeldahl Nitrogen	mg/ℓ	2.2	--
Total Organic Carbon	mg/ℓ	14	--
pH	SU	6.71	6.5 to 8.5

[1] Secondary Water Quality Criteria, Chapter 62-550.320, Florida Administrative Code (FAC)

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.

SWMU = solid waste management unit.
Conc. = concentration.
$CaCO_3$ = calcium carbonate.
mg/ℓ = milligrams per liter.
-- = analyte not detected.
APHA = American Public Health Association
NA = not analyzed.
SU = standard units.

Table 5-7
Chemicals of Potential Concern in Groundwater at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection [1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Background Screening Concentrations[3]	Risk Based Screening Concentration[4]	Florida Guidance Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]
Volatiles (µg/ℓ)								
Acetone	1	10	14	ND	370	700	No	S, G
Semivolatiles (µg/ℓ)								
No Analytes Detected								
Pesticides/PCBs (µg/ℓ)								
No Analytes Detected								
Inorganics (µg/ℓ)								
Barium	1	0.4	9.7	10.2	260	2000	No	B
Calcium	1	41.7	97,100	170,450	1,055,398	NA	No	B
Iron	1	9.1	477	2,076	13,267	300	No	B
Magnesium	1	31.4	36,100	21,234	118,807	NA	No	S
Manganese	1	0.6	89.4	185.8	18	50	No	B
Sodium	1	14.4	240,000	18,624	396,022	160,000	Yes	
Vanadium	1	1.5	3.8	10.6	26	49	No	B

See notes on next page.

Table 5-7 (Continued)
Chemicals of Potential Concern in Groundwater at SWMU 56

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection [1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Background Screening Concentrations[3]	Risk Based Screening Concentration[4]	Florida Guidance Concentration[5]	Analyte CPC? (Yes/No)	Reason[6]

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[4] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for tap water per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from RBC table dated February 1995, and are based on a cancer risk of 10^{-6} or an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[5] Florida Department of Environmental Protection Groundwater Guidance Concentrations (June 1994).
[6] Analytes were included or excluded from the risk assessment for the following reasons:
S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample location includes: 56MW001S.
Background sample locations include: 01MW001, 08MW005S, 08MW001S, 0SMW001R, 8MW5S, MPT-1-MW1-1, MPT-S-1-1, and S1.

CPCs = chemicals of potential concern.
$\mu g/\ell$ = micrograms per liter.
ND = not detected in any background samples.
PCBs = polychlorinated biphenyls.
NA = not available.

cadmium at a concentration that exceeded the USEPA Region III RBC (3.9 mg/kg). None of the samples contained cadmium at concentrations that exceeded the proposed Superfund SSL (39 mg/kg) or the FDEP cleanup goal (37 mg/kg). The background screening value (2 mg/kg) is less than the bench mark values.

Each of the eight samples contained chromium at concentrations that exceeded the background screening value (2.6 mg/kg). Only one of eight samples contained chromium at a concentration that exceeded the USEPA Region III RBC (39 mg/kg). None of the samples contained concentrations of chromium that exceeded the proposed Superfund SSL (390 mg/kg) or the FDEP cleanup goal (150 mg/kg). The background screening value for chromium (2.6 mg/kg) is less than bench mark values.

Subsurface Soil. The VOC (acetone) and pesticide (4,4'-DDE) detected in subsurface soil did not exceed the bench mark values. The metals (arsenic, barium, lead, and vanadium) detected in the subsurface soil samples exceed the background screening values. Concentrations of zinc exceeded the background screening value but did not exceed any of the bench mark values, and therefore were not considered to be CPCs.

Groundwater. The VOC (acetone) detected in the groundwater sample did not exceed the bench mark values. Two of the inorganic analytes, magnesium and sodium, were detected at concentrations that exceeded their background screening values (21,234 $\mu g/\ell$ and 18,624 $\mu g/\ell$, respectively). The concentration detected for magnesium (36,100 $\mu g/\ell$) was less than the USEPA Region III RBC (118,807 $\mu g/\ell$). The concentration detected for sodium (240,000 $\mu g/\ell$) was less than the Region III RBC (396,000 $\mu g/\ell$), but exceeds the FDEP guidance concentration (160,000 $\mu g/\ell$), and was considered to be a CPC.

5.5 CONCLUSIONS AND RECOMMENDATIONS.

5.5.1 Conclusions

Surface Soil Samples. None of the VOCs (acetonitrile, acetone, carbon disulfide, trichlorofluoromethane, chloroform, 2-butanone, 4-methyl-2-butanone, and toluene), SVOCs (di-n-butylphthalate, butylbenzylphthalate, and bis(2-ethylhexyl)phthalate), or pesticide (4,4'-DDE) detected in the surface soil samples exceeded the bench mark values. In addition, the seven VOCs (acetonitrile, carbon disulfide, trichlorofluoromethane, chloroform, 2-butanone, 4-methyl-2-butanone, and toluene) detected in samples collected in 1992 were not detected in surface soil samples collected in 1994. PCBs were not detected in the surface soil samples.

Four of the inorganic analytes, arsenic, beryllium, cadmium, and chromium, were detected in surface soil samples at concentrations that exceeded bench mark values, which are based on a lifetime excess cancer risk of 10^{-6}. However, the potential risk associated with observed concentrations of arsenic and beryllium is within a range (10^{-4} to 10^{-6}) that is considered by USEPA to be protective of human health (40 CFR Part 300) (see Table C-3, Appendix C). Cadmium and chromium were detected at concentrations that were less than the proposed Superfund SSLs and FDEP cleanup goals.

Because the land features at NAVSTA Mayport have been impacted by the deposition of dredge material from the Mayport Turning Basin, it cannot be determined whether the concentrations of arsenic, beryllium, cadmium, and chromium are related to a release at SWMU 56 or are residual concentrations from the dredge material.

Subsurface Soil Samples. The VOC (acetone) and pesticide (4,4'-DDE) did not exceed the bench mark values. The metals (arsenic, barium, lead, and vanadium) detected in the subsurface soil samples did not exceed the background screening values. Concentrations of zinc exceeded background screening values but not the bench mark values. Therefore, the concentrations of metals detected in the subsurface soil samples are not likely attributable to a release from SWMU 56.

Groundwater Sample. The VOC (acetone) detected in the groundwater sample did not exceed the bench mark values. Acetone is a common sampling or laboratory related contaminant. Magnesium and sodium were detected at concentrations that exceeded their background screening values. The concentration detected for magnesium was less than the USEPA Region III RBC. The concentration detected for sodium was less than the USEPA Region III RBC, but exceeds the FDEP guidance concentration.

The source for sodium may be the incomplete flushing of seawater from the surficial aquifer or from deposition of dredge material from Mayport Turning Basin to construct the land features at NAVSTA Mayport.

5.5.2 Recommendations SWMU 56 is recommended for no further investigation at this time based on the following rationale.

- No PCBs were detected in the surface or subsurface soil samples.
- None of the VOCs (acetonitrile, acetone, carbon disulfide, trichlorofluoromethane, chloroform, 2-butanone, 4-methyl-2-butanone, and toluene), SVOCs (di-n-butylphthalate, butylbenzylphthalate, and bis(2-ethylhexyl)phthalate), or pesticide (4,4'-DDE) detected in the surface soil samples exceeded the bench mark values.
- Concentrations of arsenic, beryllium, cadmium, and chromium detected in surface soil samples exceeded human health based risk bench mark values representing a lifetime excess cancer risk of 10^{-6}. However, the potential risk associated with observed concentrations of arsenic and beryllium is within a range (10^{-4} to 10^{-6}) that is considered by USEPA to be protective of human health (40 CFR 300).
- Cadmium and chromium were detected in surface soil at concentrations that were less than the proposed Superfund SSLs and FDEP cleanup goals.
- The VOC (acetone) and pesticide (4,4'-DDE) detected in subsurface soil samples did not exceed the bench mark values.
- The metals (arsenic, barium, lead, and vanadium) detected in the subsurface soil samples did not exceed the background screening values. Zinc exceeded background screening values but not the bench mark values.
- The VOC (acetone) detected in the groundwater sample did not exceed the bench mark values.

- Magnesium and sodium were detected in groundwater at concentrations that exceeded their background screening values; however, the concentrations detected were less than the USEPA Region III RBCs.

- The concentration detected for sodium was less than the USEPA Region III RBC, but exceeds the FDEP guidance concentration. It is likely that sodium is related to the seawater contained in the dredge materials pumped into the eastern dredge spoil basin (SWMU 50) during maintenance dredging.

The default assumptions used in estimating risk based bench mark concentrations may not be representative and likely overstate the specific exposure present at the site (i.e., underestimate the concentration that would result in a lifetime excess cancer risk of 10^{-6}). Because the chemicals were detected in only one or two media (i.e., soil and or groundwater) all of the exposure pathways and assumptions used to estimate the bench mark concentrations are not relevant. Therefore, the concentrations may exceed the bench mark values (USEPA, 1994, USEPA, 1995, and FDEP, 1995) but actually result in a lower excess cancer risk than 10^{-6}.

6.0 SWMU 19, NAVAL AVIATION DEPOT (NADEP) BLASTING AREA

6.1 SITE DESCRIPTION AND BACKGROUND. The NADEP Blasting Area (SWMU 19) 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 is located over bare soil. According to the visual site inspection (VSI) conducted as part of the RFA (A. T. Kearney, 1989), the abrasive used in blasting is Black Beauty™, a slag product marketed for sand blasting purposes.

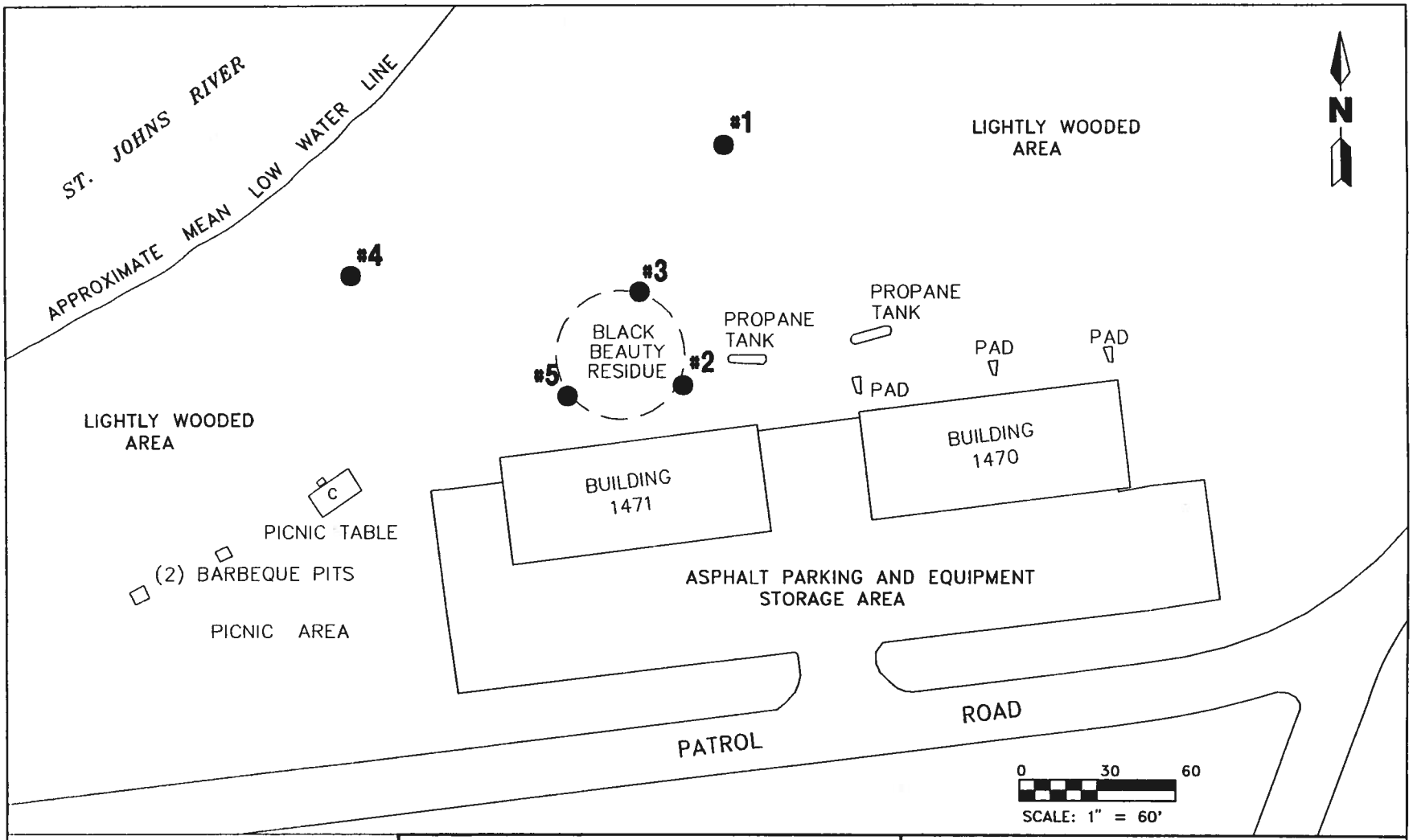
The soils at SWMU 19 are predominately sand, and the area is located along the edge of the St. Johns River. At the time of the VSI in 1989, Black Beauty™ was piled on the ground around the blasting grate and spread over an area approximately 75 feet in diameter. According to the RFA, facility personnel noted that the Black Beauty™ abrasive blasting media had not been collected or removed from the area since operations began there in 1981. The RFA recommended that soil samples be collected in visually contaminated areas between the blasting rack and the river, and that sediment samples be collected from St. Johns River sediments 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 (A. T. Kearney, 1989).

To determine the appropriate disposal methods for the blasting media at the site, the RFA recommended that the residual abrasive blasting media be tested for extraction procedure (EP) toxicity.

During July 1989, five surficial soil samples were collected by Enviropact, Inc., from the area where the Black Beauty™ residual was located (Figure 6-1). The soil samples were analyzed by the extraction procedure for toxicity testing (EP toxicity). A summary of the EP toxicity analytical results is provided in Table 6-1. None of the regulatory criteria for classifying a material as hazardous waste were exceeded (Enviropact, 1989). However, since these samples were collected and the test results obtained, the USEPA has adopted the new analytical methodology, the TCLP, to assess whether a material would be classified as hazardous. Therefore, as part of the RFA SV, three samples of the residual Black Beauty™ material were collected and analyzed by the TCLP analytical method to assess whether it would be classified as hazardous waste.

6.2 RFA SV FIELD INVESTIGATIONS. RFA SV field investigations at SWMU 19 included collection of surface soil, subsurface soil, and sediment samples. Soil and sediment sampling was conducted on June 30, 1994. The objectives of the data gathering activities at SWMU 19 were to collect soil and sediment samples to confirm whether contamination is present at the site. The RFA SV sampling and analytical objectives did not include characterization of the horizontal and vertical extent of contaminants.

Six surface soil samples, six subsurface soil samples, and three sediment samples were collected at SWMU 19. Site-specific reference samples also were collected,



LEGEND

●#1 Approximate location of samples collected for extraction procedure toxicity testing in July 1989

001000/MJ-GLC/4-4-95

FIGURE 6-1
LOCATION OF SOIL SAMPLES COLLECTED FOR EXTRACTION PROCEDURE TOXICITY TESTING JULY 1989, SWMU 19, NADEP BLASTING AREA

RCRA FACILITY ASSESMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

Table 6-1
Extraction Procedure Toxicity Analytical Results for Soil Samples at SWMU 19, 1989

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Parameter	Sample Number					Extraction Procedure Toxicity Regulatory Criteria
	1	2	3	4	5	
Arsenic	<0.05	<0.05	<0.05	<0.05	<0.05	5.0
Barium	<1.0	<1.0	<1.0	<1.0	<1.0	100.0
Cadmium	<0.5	<0.5	<0.5	<0.5	<0.5	1.0
Chromium	<0.5	<0.5	<0.5	<0.5	<0.5	5.0
Lead	<0.5	<0.5	<0.5	<0.5	<0.5	5.0
Mercury	<0.01	0.03	0.01	<0.01	0.02	0.2
Selenium	<0.05	<0.05	<0.05	<0.05	<0.05	1.0
Silver	<0.5	<0.5	<0.5	<0.5	<0.5	0.5

Note: Concentrations of extract in milligrams per liter Source: Enviropact, 1989

MPT-19-SS06 for surface soil, MPT-19-BS06 for subsurface soil, and MPT-19-SD01 for sediment (Figure 6-2).

Soil and sediment sample locations were chosen to bias the sampling toward areas most likely to be contaminated based on land surface topography and site conditions at the time of sampling. In addition, three discrete samples, MPT-19-Z-001, MTP-19-Z-002, and MPT-19-Z-003, of the Black Beauty™ blasting media were collected for analysis by TCLP (USEPA Method 1311).

Surface and subsurface soil sampling was conducted in areas where Black Beauty™ was observed and sediment sampling was conducted along the shoreline of the St. Johns River in areas topographically downgradient of the blasting area. The surface soil samples were collected from the land surface to a depth of 1 foot bls. The subsurface soil samples were collected from 2 to 3 feet bls except MPT-19-BS02, which was collected from 2.5 to 3 feet bls. A 6-inch-thick piece of concrete was encountered from 2 to 2.5 feet bls at the location of MPT-19-BS02. The sediment samples were collected at a low tide stage from the land surface to a depth of 1 foot bls. No corresponding surface water samples were collected with the sediment samples.

Because many field activities are common to all NAVSTA Mayport SWMUs, the sampling procedures for RFI and RFA SV (confirmatory sampling) events are described in Section 2.1, Summary of Exploration and Sampling Program, of the NAVSTA Mayport GIR (ABB-ES, 1995b). Site-specific elements and deviations from sampling procedures, if any, particular to SWMU 19 are discussed in subsequent paragraphs, and standard operating procedures are referenced where necessary. Surface water and sediment sampling procedures and associated equipment decontamination procedures were conducted in general conformance with USEPA Region IV standard operating procedures (USEPA, 1991a).

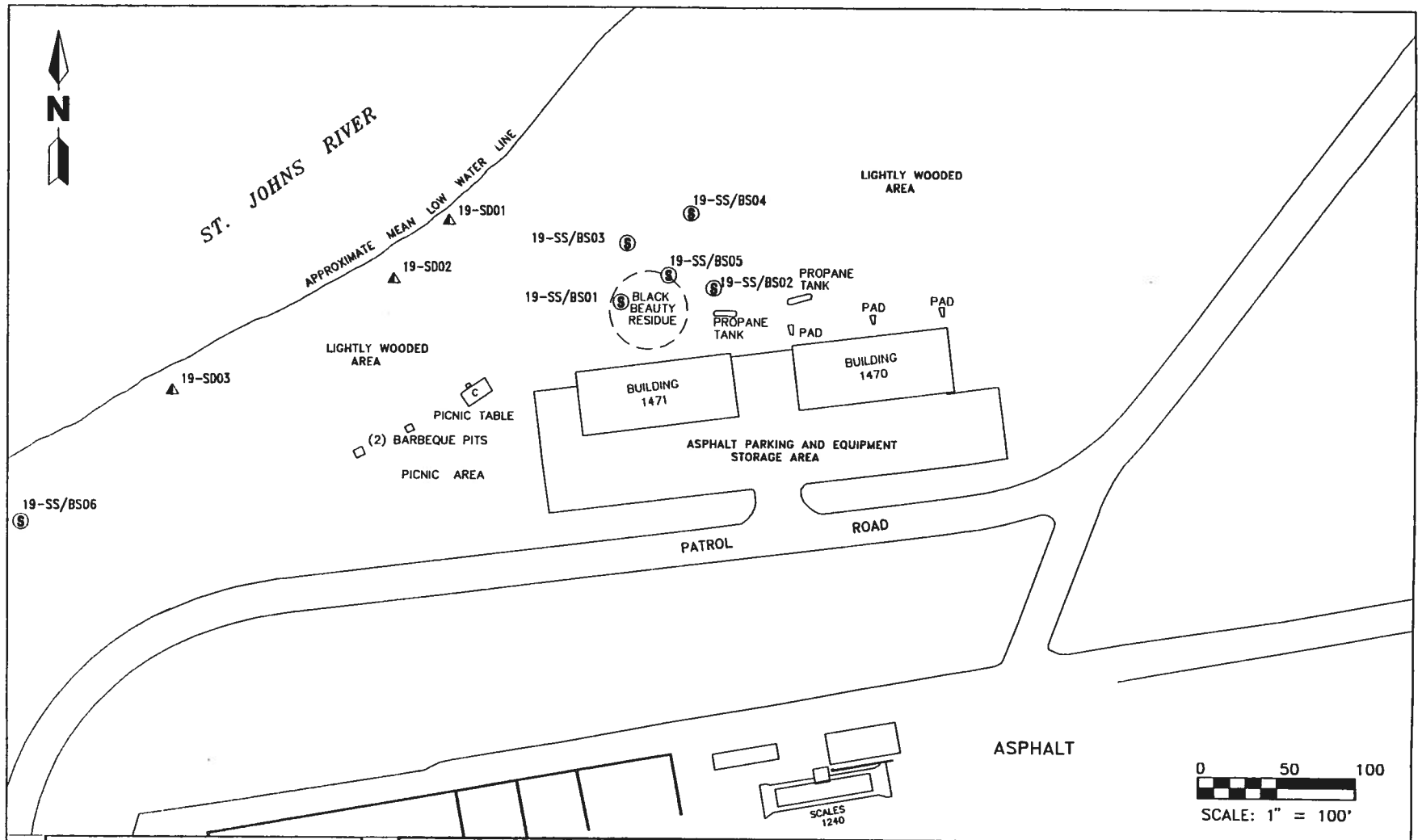
Soil Sample Collection Procedure. Surface and subsurface soil sampling was accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991), and Subsection 2.1.1, Soil Sampling, of the GIR (ABB-ES, 1995b).

Sediment Sample Collection Procedure. Sediment sampling was accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991) and Subsection 2.1.3, Surface Water, Sediment, and Sludge Sampling, located in the GIR (ABB-ES, 1995b).

Laboratory Analyses. Surface and subsurface soil and sediment samples were analyzed for the same target analytes including VOCs, SVOCs, pesticides, PCBs, metals, and cyanide selected from the groundwater monitoring list presented in Appendix IX, 40 CFR 264, and USEPA Contract Laboratory Program target compound list and target analyte list. The environmental samples were analyzed using methods from Test Methods for Evaluating Solid Waste Physical/Chemical Methods (SW 846) (USEPA, 1986). A sample of the Black Beauty™ abrasive blasting media was collected for analysis by TCLP (USEPA Method 1311). A list of the target analytes is provided in Appendix A and complete analytical results are provided in Appendix B.

6.3 FINDINGS.

The following presents analytical results for surface and subsurface soil samples, sediment samples, and the Black Beauty™ abrasive blasting media.



LEGEND

Ⓢ RFA/SV soil sampling location

RFA/SV sediment sampling location

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

001000/MJ-GLC/4-5-95

Surface and Subsurface Soil Sample Analytical Results. Tables 6-2 and 6-3 summarize the validated analytical results for organic and inorganic target analytes, respectively, detected in surface and subsurface soil samples collected at SWMU 19. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Tables 6-4 and 6-5 for surface and subsurface soil samples, respectively. Bench mark comparison values consist of background screening values computed from station wide surface and subsurface soil samples (ABB-ES, 1995b), the USEPA soil screening guidance values (USEPA, 1994), USEPA Region III RBC (USEPA, 1995), and the State of Florida cleanup goals (FDEP, 1995). The state of Florida cleanup goals consisted of residential values for surface soil and industrial worker values for subsurface soil.

Each of the bench mark criteria provided in Tables 6-4 and 6-5 are human health based and represent the lower of either a noncarcinogenic HI of 1, where values of less than 1 represent a concentration where noncarcinogenic effects are not likely, or a lifetime excess cancer risk of 10^{-6}, which represents a chance of 1 in 1,000,000 for an adverse carcinogenic effect for a continuous lifetime exposure. The concentrations listed for the USEPA Region III RBCs correspond to an HI of 0.1, whereas the USEPA Superfund SSLs and the State of Florida cleanup goals are based on an HI of 1. The NCP (40 CFR, Part 300) states that for carcinogens a lifetime excess cancer risk in the range of 10^{-4} (a chance of 1 in 10,000 for an adverse carcinogenic effect for a continuous lifetime exposure) to 10^{-6} represents concentrations that are considered by USEPA to be protective of human health.

Surface Soil. The surface soil at SWMU 19 typically consists of sands with shell fragments. Target analytes detected in the surface soil samples consist of 2 SVOCs (benzo(b)fluoranthene and bis(2-ethylhexyl)phthalate), 2 pesticides (4,4'-DDT and 4,4'-DDE), and 11 inorganics (arsenic, barium, beryllium, cadmium, chromium, copper, lead, nickel, selenium, vanadium, and zinc) (see Tables 6-2 and 6-3). VOCs and PCBs were not detected in the surface soil samples.

Subsurface Soil. Target analytes detected in the subsurface soil samples consist of 1 VOC (trichloroethene), 3 pesticides (chlorobenzilate, endrin ketone, and 4,4'-DDD), and 10 inorganics (arsenic, barium, beryllium, chromium, copper, lead, selenium, vanadium, zinc, and cyanide) (see Tables 6-2 and 6-3). SVOCs and PCBs were not detected in the subsurface soil samples.

Sediment Sample Analytical Results. Table 6-6 summarizes the validated analytical results for inorganic target analytes detected in sediment samples collected at SWMU 19. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Table 6-7. Bench mark comparison values for the SWMU 19 sediment samples consist of station wide background sediment samples (ABB-ES, 1995b), ER-L and ER-M values from *The Potential for Biological Effects of Sediment-sorbed Contaminants Tested in the National Status and Trends Program*, NOAA (Long and others, 1993), and TEL and PEL from *Approach to the Assessment of Sediment Quality in Florida Coastal Waters*, (McDonald, 1994).

Target analytes detected in the sediment samples consist of nine inorganics (arsenic, barium, beryllium, chromium, copper, lead, vanadium, zinc, and

Table 6-2
Organic Analytes Detected in Soil Samples at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	R8271		R8271		R8271		R8271	
Sample Location:	MPT-19-SS01		MPT-19-SS03		MPT-19-SS05		MPT-19-SS06	
Sample No.:	19SS001Dup		19SS003		19SS005		19SS006	
Date Sampled:	06/30/94		06/30/94		06/30/94		06/30/94	
Sample depth (ft bls):	0 to 1		0 to 1		0 to 1		0 to 1	
Common Name	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
VOCs, Soil (µg/kg)								
Trichloroethene	--		--		--		--	
SVOCs, Soil (µg/kg)								
Benzo(b)fluoranthene	--		79	J	--		--	
bis(2-Ethylhexyl)phthalate	72	J	--		--		--	
Pesticides, Soil (µg/kg)								
Chlorobenzilate	--		--		--		--	
Endrin ketone	--		--		--		--	
4,4'-DDT	--		--		3.3	J	3.4	J
4,4'-DDE					2.2	J	1.3	J
4,4'-DDD	--		--		--		--	

See notes at end of table.

Table 6-2 (Continued)
Organic Analytes Detected in Soil Samples at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	R8271		R8271		R8271	
Sample Location:	MPT-19-BS01		MPT-19-BS01		MPT-19-BS04	
Sample No.:	19BS001		19BS001Dup		19BS004	
Date Sampled:	06/30/94		06/30/94		06/30/94	
Sample depth (ft bls):	2 to 3		2 to 3		2 to 3	
Common Name	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
VOCs, Soil, (μg/kg)						
Trichloroethene	--		--		2	J
SVOCs, Soil, (μg/kg)						
Benzo(b)fluoranthene	--		--		--	
bis(2-Ethylhexyl)phthalate	--		--		--	
Pesticides, Soil, (μg/kg)						
Chlorobenzilate	--		--		34	J
Endrin ketone	--		16		--	
4,4'-DDT	--		--		--	
4,4'-DDE	--		--		--	
4,4'-DDD	2.5		7.6	J	--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = identifies the duplicate of the corresponding environmental sample.

ft bls = sample collection depth in feet below land surface.
Conc. = concentration.
Qual. = qualifier.
VOCs = volatile organic compounds.
μg/kg = milligrams per kilogram.
-- = analyte not detected.
SVOCs = semivolatile organic compounds.
"J" = estimated value.

Table 6-3
Inorganic Analytes Detected in Soil Samples at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	R8271		R8271		R8271		R8271		R8271		R8271		R8271	
Sample Location:	MPT-19-SS01		MPT-19-SS01		MPT-19-SS02		MPT-19-SS03		MPT-19-SS04		MPT-19-SS05		MPT-19-SS06	
Sample No.:	19SS001		19SS001Dup		19SS002		19SS003		19SS004		19SS005		19SS006	
Date Sampled:	06/30/94		06/30/94		06/30/94		06/30/94		06/30/94		06/30/94		06/30/94	
Sample depth (ft bls):	0 to 1		0 to 1		0 to 1		0 to 1		0 to 1		0 to 1		0 to 1	
Soil (mg/kg) Common Name	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
Arsenic	0.58	J	0.5	J	0.88	J	0.56	J	0.5	J	1.2	J	0.39	J
Barium	23.7	J	7.8	J	4.8	J	2.5	J	2.0	J	13.2	J	1.8	J
Beryllium	0.4	J	0.09	J	0.08	J	0.7	J	--		0.26	J	--	
Cadmium	0.38	J	1.0	J	0.22	J	--		--		--		0.22	J
Chromium	15.8	J	5.0	J	1.6	J	2.5	J	2.3	J	5.0	J	2.1	J
Copper	9.7	J	5.3	J	2.9	J	2.3	J	1.8	J	2.7	J	1.3	J
Lead	11.4	J	4.2	J	1.1	J	1.6	J	1.2	J	2.7	J	1.5	J
Nickel	4.0	J	--		--		--		--		1.9	J	--	
Selenium	0.14	J	--		--		--		--		--		--	
Vanadium	7.8	J	3.0	J	3.8	J	1.5	J	1.4	J	7.3	J	1.2	J
Zinc	32.6	J	10.8	J	3.8	J	4.0	J	4.9	J	8.7	J	5.1	J
Cyanide	--		--		--		--		--		--		--	

See notes at end of table.

Table 6-3 (Continued)
Inorganic Analytes Detected in Soil Samples at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	R8271		R8271		R8271		R8271		R8271		R8271		R8271	
Sample Location:	MPT-19-BS01		MPT-19-BS01		MPT-19-BS02		MPT-19-BS03		MPT-19-BS04		MPT-19-BS05		MPT-19-BS06	
Sample No.:	19BS001		19BS001Dup		19BS002		19BS003		19BS004		19BS005		19BS006	
Date Sampled:	06/30/94		06/30/94		06/30/94		06/30/94		06/30/94		06/30/94		06/30/94	
Sample depth (ft bls):	2 to 3		2 to 3		2 to 3		2 to 3		2 to 3		2 to 3		2 to 3	
Soil (mg/kg) Common Name	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
Arsenic	0.64	J	0.72	J	1.6	J	1.0	J	1.3	J	0.72	J	0.65	J
Barium	2.0	J	1.6	J	2.6	J	2.0	J	2.1	J	2.5	J	5.3	J
Beryllium	0.7	J	0.7	J	--		--		--		0.7	J	0.12	J
Cadmium	--		--		--		--		--		--		--	
Chromium	2.3		2.0	J	2.3		1.8	J	2.5		2.9		5.7	
Copper	1.0	J	0.83	J	1.3	J	1.1	J	0.9	J	0.8	J	0.77	J
Lead	1.1		0.92		3.5	N	0.75		0.84	N	1.0		3.1	
Nickel	--		--		--		--		--		--		--	
Selenium	--		--		0.13	J	--		--		--		--	
Vanadium	1.7	J	1.2	J	3.1	J	1.8	J	2.1	J	1.9	J	2.7	J
Zinc	--		--		8.4		--		7.9		--		--	
Cyanide	0.21	J	--		--		--		--		--		--	

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = identifies the duplicate of the corresponding environmental sample.

ft bls = sample collection depth in feet below land surface.
mg/kg = milligrams per kilogram.
Conc. = concentration.
Qual. = qualifier.
"J" = estimated value.
-- = analyte not detected.

Table 6-4
Chemicals of Potential Concern in Surface Soils at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations (*)[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Volatiles (µg/kg)										
No Analytes Detected										
Semivolatiles (µg/kg)										
Benzo(b)fluoranthene	1/5	680 to 690	79	79	ND	880	900	1,400	No	S, P, G
bis(2-Ethylhexyl)phthalate	1/5	340 to 690	206*	206	ND	46,000	46,000	45,000	No	S, P, G
Pesticides/PCBs (µg/kg)										
4,4'-DDE	1/5	0.69 to 0.7	3.3	3.3	2.3	1,900	2,000	2,900	No	S, P, G
4,4'-DDT	1/5	1 3 to 1.4	2.2	2.2	ND	1,900	2,000	3,100	No	S, P, G
Inorganics (mg/kg)										
Arsenic	5/5	NR	0.5 to 1.2	0.74	ND	[9]0.37	0.4	[9]0.7	Yes	
Barium	5/5	NR	2 to 15.75*	7.7	5.6	550	5,500	5,000	No	S, P, G
Beryllium	4/5	0.06 to 0.06	0.07 to 0.26	0.16	0.16	0.15	0.1	0.1	Yes	
Cadmium	2/5	0.21 to 0.21	0.22 to 0.69*	0.45	2	3.9	39	37	No	B
Chromium	5/5	NR	1.6 to 10.4*	4.4	2.6	[10]39	[10]390	[10]150	No	S, P, G
Copper	5/5	NR	1.8 to 7.5*	3.4	2.2	290	NA	2,900	No	S, G
Lead	5/5	NR	1.1 to 7.8*	2.9	ND	[11]400	[11]400	[11]500	No	S, P, G
Nickel	2/5	0.6 to 1.2	1.9 to 2.3*	2.1	ND	160	1,600	1,500	No	S, P, G
Selenium	1/5	0.06 to 0.13	0.1*	0.1	1.36	39	390	390	No	B
Vanadium	5/5	NR	1.4 to 7.3	3.9	4	55	550	480	No	S, P, G
Zinc	5/5	NR	3.8 to 21.7*	2.6	2.6	2,300	23,000	23,000	No	S, P, G

See notes on next page.

Table 6-4 (Continued)
Chemicals of Potential Concern in Surface Soils at SWMU19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III RBC tables dated February 1995, and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.
[7] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the aggregate resident based on a cancer risk of 10^{-6} and the child resident based on a hazard quotient of 1.
[8] Analytes were included or excluded from the risk assessment for the following reasons:
S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.
[9] The value is based on arsenic as a carcinogen.
[10] The value is based on chromium hexavalent form.
[11] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) sites.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 19SS01, 19SS02, 19SS03, 19SS04, and 19SS05.
Sample duplicates: 19SS01D.
Background sample locations include: MPT-B-SS1; MPT-B-SS2; MPT-B-SS3; MPT-B-SS4; MPT-B-SS5; and MPT-B-SS6.
Duplicate background sample locations include: MPT-B-SS1DUP.

SWMU = solid waste management unit.
CPC = chemicals of potential concern.
µg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.
DDE = dichlorodiphenyldichloroethene.
DDT = dichlorodiphenyltrichloroethane.
mg/kg = milligrams per kilograms.
NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.

Table 6-5
Chemicals of Potential Concern in Subsurface Soil at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations (*)[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Volatiles (µg/kg)										
Trichloroethene	1/5	5 to 6	2	2	ND	58,000	58,000	4,800	No	S, P, G
Semivolatiles (µg/kg)										
Chlorobenzilate	1/5	21 to 24	34	34	ND	2,400	NA	NA	No	S
Pesticides/PCBs (µg/kg)										
4,4'-DDD	1/5	1.4 to 1.6	5.05*	5.1	ND	2,700	3,000	17,000	No	S, P, G
Endrin ketone	1/5	0.7 to 1.6	8.35*	8.4	ND	NA	NA	NA	No	F
Inorganics (mg/kg)										
Arsenic	5/5	NR	0.68* to 1.6	1.1	0.9	[9]0.37	0.4	3	No	G
Barium	5/5	NR	1.8* to 2.6	2.2	7.2	550	5,500	74,000	No	B
Beryllium	2/5	0.06 to 0.08	0.07*	0.07	0.14	0.15	0.1	0.2	No	B
Chromium	5/5	NR	1.8 to 2.9	2.3	3.4	[10]39	[10]390	[10]220	No	B
Copper	5/5	NR	0.8 to 1.3	1	3.6	290	NA	72,000	No	B
Lead	3/5	0.6 to 0.6	0.75 to 1.01*	0.92	2.8	[11]400	[11]400	1,000	No	B
Selenium	1/5	0.13 to 0.15	0.13	0.13	ND	39	390	9,900	No	S, P, G
Vanadium	5/5	NR	1.45* to 3.1	2.1	3.2	55	550	4,800	No	B
Zinc	2/5	4.35 to 6.4	7.9 to 8.4	8.2	4.8	2,300	23,000	550,000	No	S, P, G
Cyanide	1/5	0.075 to 0.17	0.1425*	0.14	0.66	160	1,600	40,000	No	B

See notes on next page.

Table 6-5 (Continued)
Chemicals of Potential Concern in Subsurface Soil at SWMU 19

Groups I and II RFA SV
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).

[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.

[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).

[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.

[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III RBC tables dated February 1995, and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).

[6] Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.

[7] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the industrial worker based on a cancer risk of 10^{-6} and the child resident based on a hazard quotient of 1.

[8] Analytes were included or excluded from the risk assessment for the following reasons:

- S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
- G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
- C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
- P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.

[9] The value is based on arsenic as a carcinogen.

[10] The value is based on chromium hexavalent form.

[11] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) sites.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 19BS001, 19BS002, 19BS003, 19BS004, and 19BS005.
Duplicate sample: 19BS001D.
Background sample locations include: MPT-B-BS1; MPT-B-BS4; MPT-B-BS5; and MPT-B-BS6.
Duplicate background sample locations include: MPT-B-BS1DUP.

SWMU = solid waste management unit.
CPC = chemicals of potential concern.
µg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.
DDD = dichlorodiphenyldichloroethane.
mg/kg = milligrams per kilograms.
NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.

cyanide). VOCs, SVOCs, pesticides, and PCBs were not detected in the sediment samples (Table 6-6).

Black Beauty™ Blasting Media. Samples of the Black Beauty™ abrasive blasting media were collected to assess whether the material could be characterized as hazardous using the TCLP analysis (Table 6-8). Concentrations of barium, cadmium, and chromium were detected in the extracts. The results indicate that the Black Beauty™ does not meet the definition of a RCRA-characteristic hazardous waste.

6.4 PRELIMINARY RISK EVALUATION. The following presents an assessment of the surface soil, subsurface soil, and sediment samples collected at SWMU 19 with station wide background samples and bench mark values.

Surface Soil Samples. None of the SVOCs or pesticides detected in the surface soil samples exceeded the bench mark values. Two of the inorganic analytes, arsenic and beryllium, were detected in surface soil samples at concentrations that exceed bench mark values, which are based on a lifetime excess cancer risk of 10^{-6} (Table 6-4).

Arsenic was not detected in the background surface soil samples. The five surface soil samples and the duplicate collected at SWMU 19 and the reference sample (MPT-19-SS06) contained arsenic at concentrations that exceeded the USEPA Region III RBC (0.37 mg/kg) (Figure 6-2). The five soil samples and duplicate collected at SWMU 19 also contained arsenic at concentrations that exceeded the proposed Superfund SSL (0.4 mg/kg). The concentration of arsenic in the reference sample was less than this bench mark. Two samples contained arsenic at concentrations that exceed the FDEP cleanup goal (0.7 mg/kg).

Three samples contained beryllium at a concentration that exceeded the background screening value (0.16 mg/kg). Beryllium was not detected in the reference sample (MPT-19-SS06). Three samples contained beryllium at concentrations that exceed the USEPA Region III RBC (0.15 mg/kg) and the proposed Superfund SSL and the Florida cleanup goal of 0.1 mg/kg. The surface soil background screening value for beryllium also exceeds the bench mark values.

Subsurface Soil Samples. None of the VOCs, SVOCs, pesticides, or inorganics detected in the subsurface soil samples exceeded the bench mark values.

Sediment Samples. None of the eight inorganic analytes (arsenic, barium, beryllium, chromium, copper, lead, vanadium, and zinc) detected in the two sediment samples collected near SWMU 19 exceeded background screening values. The reference sample (MPT-19-SD03) contained concentrations of cyanide in addition to these analytes and did not contain beryllium.

Table 6-6
Inorganic Analytes Detected in Sediment Samples at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:	R8271		R8271		R8271		R8271	
Sample Location:	MPT-19-SD01		MPT-19-SD01		MPT-19-SD02		MPT-19-SD03	
Sample No.:	19SD001		19SD001Dup		19SD002		19SD003	
Date Sampled:	06/30/94		06/30/94		06/30/94		06/30/94	
Sediment (mg/kg) Common Name	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.	Conc.	Qual.
Arsenic	1.4	J	1.1	J	1.4	J	1.5	J
Barium	6.0	J	5.8	J	4.4	J	2.6	J
Beryllium	0.11	J	0.1	J	–		–	
Chromium	1.3	J	1.2	J	–		1.8	J
Copper	0.6	J	0.95	J	0.42	J	0.6	J
Lead	1.0		0.76		0.52	J	0.78	
Vanadium	2.8	J	2.3	J	1.8	J	1.6	J
Zinc	9.2	J	–		5.3	J	6.8	J
Cyanide	–		–		–		0.18	J

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = identifies the duplicate of the corresponding environmental sample.

Conc. = concentration.
Qual. = qualifier.
mg/kg = milligrams per kilogram.
"J" = estimated value.
– = analyte not detected.

Table 6-7
Chemicals of Potential Concern in Sediment Sample at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations(*)[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Long and Others		MacDonald		Analyte CPC (YES/NO)	Reason [9]
						ER-L[5]	ER-M[6]	TEL[7]	PEL[8]		
Volatiles (µg/kg)											
No Analytes Detected											
Semivolatiles (µg/kg)											
No Analytes Detected											
Pesticides/PCBs (µg/kg)											
No Analytes Detected											
Inorganics (mg/kg)											
Arsenic	2/2	NR	1.25* to 1.4	1.3	5.4	8.2	70	7.24	41.6	No	B
Barium	2/2	NR	4.4 to 5.9*	5.2	14.6	NA	NA	NA	NA	No	B
Beryllium	1/2	0.07 to 0.07	0.105*	0.11	0.54	NA	NA	NA	NA	No	B
Chromium	1/2	0.61 to 0.61	1.3*	1.3	15.2	81	370	52.3	160	No	B
Copper	2/2	NR	0.42 to 0.775*	0.6	6.8	34	270	18.7	108	No	B
Lead	2/2	NR	0.52 to 0.88*	0.7	9.2	46.7	218	30.2	112	No	B
Vanadium	2/2	NR	1.8 to 2.55*	2.2	14.8	NA	NA	NA	NA	No	B
Zinc	2/2	2.95 to 2.95	5.3 to 6.075*	5.7	25.8	150	410	124	271	No	B

See notes on next page.

Table 6-7 (Continued)
Chemicals of Potential Concern in Sediment Sample at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Long and Others		MacDonald		Analyte CPC (YES/NO)	Reason [9]
						ER-L[5]	ER-M[6]	TEL[7]	PEL[8]		

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] Effects range-low (ER-L) value represents a concentration intended to estimate conditions in which effects would be rarely observed. Source: "Incidence of Adverse Biological Effects within Ranges of Chemical Concentrations in Marine and Estuarine Sediments" by Long and other, National Oceanic and Atmospheric Administration, 1993.
[6] Effects range-median (ER-M) represents the concentration where effects would occasionally occur. Source: "Incidence of Adverse Biological Effects within Ranges of Chemical Concentrations in Marine and Estuarine Sediments" by Long and other, National Oceanic and Atmospheric Administration, 1993.
[7] Threshold Effects Level (TEL) is a concentration at which no effects have been observed in any test species or biological community. Source: "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" MacDonald, November 1994.
[8] Probable Effects Level (PEL) is the lower concentration limits at which adverse effects may first be observed. Source: "Approach to the Assessment of Sediment Quality in Florida Coastal Waters" MacDonald, November 1994.
[9] Analytes were excluded from the risk assessment for the following reasons:
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations listed below (for inorganic compounds only).
L = the maximum detected concentration did not exceed the effects range-low (ER-L).
M = the maximum detected concentration did not exceed the effects range-median (ER-M).
N = the maximum detected concentration did not exceed the Threshold Effects Level (TEL).
P = the maximum detected concentration did not exceed the Probable Effects Level (PEL).

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 19SD001, 19SD002
Duplicate sample: 19SD001D
Background sample locations include: MPT-B-SD1, MPT-B-SD2, MPT-B-SD3 MPT-B-SD4, MPT-B-SD5, MPT-B-SD6, MPT-B-SD7, and 00SD001
Duplicate background sample locations include: MPT-B-SD-3D, MPTBSD7D

SWMU = solid waste management unit.
CPC = chemicals of potential concern.
μg/kg = micrograms per kilograms.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilograms.
NR = not reported; analyte detected in each sample; reporting limits are same as range of detected concentrations.
NA = not available.

Table 6-8
Toxicity Characteristic Leaching Procedure Testing of Black Beauty™ at SWMU 19

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Sample Identification: Date Sampled:	MPT-19-Z001 6/30/94	MPT-19-Z002 6/30/94	MPT-19-Z003 6/30/94	Toxicity Characteristic Limits (40 CFR 261.24)	Analytical Reporting Limit
Arsenic	<0.015	<0.015	<0.015	5.0	0.015
Barium	0.68	0.76	0.65	100.0	0.001
Cadmium	0.0077	0.013	0.0021	1.0	0.001
Chromium	0.027	0.011	0.0072	5.0	0.003
Lead	<0.025	<0.025	<0.025	5.0	0.025
Mercury	<0.0002	<0.0002	<0.0002	0.20	0.0002
Selenium	<0.035	<0.035	<0.035	1.00	0.035
Silver	<0.002	<0.002	<0.002	5.0	0.002

Notes: Result is milligrams per liter (mg/ℓ) in extract.
CFR = Code of Federal Regulations.

6.5 CONCLUSIONS AND RECOMMENDATIONS.

6.5.1 Conclusions

Surface Soil Samples. Target analytes detected in the surface soil samples consist of 2 SVOCs, 2 pesticides, and 11 inorganics (see Tables 6-2 and 6-3). VOCs and PCBs were not detected in the surface soil samples.

None of the SVOCs or pesticides detected in the surface soil samples exceeded the bench mark values. Two of the inorganic analytes, arsenic and beryllium, were detected in surface soil samples at concentrations that exceed bench mark values, which are based on a lifetime excess cancer risk of 10^{-6} (Table 6-4).

Concentrations of arsenic and beryllium exceeded human health based risk bench mark values which represent a lifetime excess cancer risk of 10^{-6}. However, the potential risk associated with observed concentrations of arsenic and beryllium is within a range (10^{-4} to 10^{-6}) that is considered by USEPA to be protective of human health (40 CFR Part 300) (see Table C-4, Appendix C).

Subsurface Soil. Target analytes detected in the subsurface soil samples consist of 1 VOC, 3 pesticides, and 10 inorganics (see Tables 6-2 and 6-3). SVOCs and PCBs were not detected in the subsurface soil samples.

None of the VOCs, pesticides or inorganics detected in the subsurface soil samples exceeded the bench mark values.

Black Beauty™ Blasting Media. The TCLP results indicate that the Black Beauty™ does not meet the definition of an RCRA-characteristic hazardous waste (40 CFR 261.24).

Sediment. None of the eight inorganic analytes detected in the two sediment samples collected near SWMU 19 exceeded background screening values. The results of the reference sample are comparable to the two sediment samples collected near SWMU 19. These analytical results suggest that the presence of the Black Beauty™ near the shoreline has not contributed to the inorganic constituents detected in these samples.

6.5.2 Recommendations

SWMU 19 is recommended for no further investigation at this time based on the following rationale.

- No VOCs or PCBs were detected in the surface soil samples.
- None of the SVOCs (benzo(b)fluoranthene and bis(2-ethylhexyl)phthalate) or pesticides (4,4'-DDT and 4,4'-DDE) detected in the surface soil samples exceeded the bench mark values.
- Concentration of arsenic and beryllium detected in surface soil samples exceeded human health based risk bench mark values, which represent a lifetime excess cancer risk of 10^{-6}. However, the potential risk associated with observed concentrations of arsenic and beryllium is within a range (10^{4} to 10^{-6}) that is considered by USEPA to be protective of human health (40 CFR Part 300).

- SVOCs and PCBs were not detected in the subsurface soil samples.
- None of the VOCs, pesticides or inorganics detected in the subsurface soil samples exceeded the bench mark values.
- Analytical results indicate that the Black Beauty™ does not meet the definition of an RCRA-characteristic hazardous waste.
- None of the eight inorganic analytes (arsenic, barium, beryllium, chromium, copper, lead, vanadium, and zinc) detected in the two sediment samples collected near SWMU 19 exceeded background screening values.
- A non-time-critical removal action is planned in 1995 or 1996 to excavate and remove the Black Beauty™.
- The default assumptions used in estimating risk based bench mark concentrations may not be representative and likely overstate the specific exposure present at the site (i.e., underestimate the concentration that would result in a lifetime excess cancer risk of 10^{-6}). Because the chemicals were detected in only one or two media (i.e., soil and or groundwater) all of the exposure pathways and assumptions used to estimate the bench mark concentrations are not relevant. Therefore, the concentrations may exceed the bench mark values (USEPA, 1994, USEPA, 1995, and FDEP, 1995) but actually result in a lower excess cancer risk than 10^{-6}.

7.0 SWMU 28, DEFENSE REUTILIZATION AND MARKETING OFFICE (DRMO) YARD

7.1 SITE DESCRIPTION AND BACKGROUND. The DRMO Storage Area (SWMU 28) is located in the northern part of NAVSTA Mayport on an abandoned asphalt runway, south of the former Oily Waste Pit (SWMU 6) and the Oily Waste Treatment Plant (OWTP) 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 west 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 is 1,300 feet long and 150 feet wide (195,000 square feet). Section 1 of SWMU 28 is 650 feet long and 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. SWMU 19 is located to the north of this section (Figure 7-1). Section 2 is 650 feet long and 150 feet wide and consists of the eastern half of the abandoned east-west runway and is also 97,500 square feet. SWMUs 6 and 7 are located to the north of this section (Figure 1-4). Section 3 of SWMU 28 is the rectangular area that extends at an angle to the southeast, 800 feet from the west 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 that may have leaked or spilled include transformers (oils and PCBs), paints (lead), and solvents (chlorinated and non-chlorinated). At the time of the VSI, vegetation was noted to be growing through the asphalt (A. T. Kearney, 1989).

SWMU 28 was identified as NIRP 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 (A. T. 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.

7.2 RFA SV FIELD INVESTIGATIONS. RFA SV field investigations at SWMU 28 included collection of surface soil, subsurface soil, and groundwater samples. Soil sampling was conducted from August 5 through August 10, 1994. Groundwater sampling occurred in June and August 1994.

Soil and groundwater sampling was conducted in the vicinity of the abandoned runway pad to assess the release of hazardous constituents at the site. The objectives of the data gathering activities at SWMU 28 were to obtain surface soil, subsurface soil, and groundwater samples to evaluate these media as potential exposure pathways.

The soil sampling program at SWMU 28 included collection of surface and subsurface soil samples within the DRMO Yard (Figure 7-1). Nine surface soil samples were collected at both Section 1 (MPT-28-SS01 through MPT-28-SS09) and

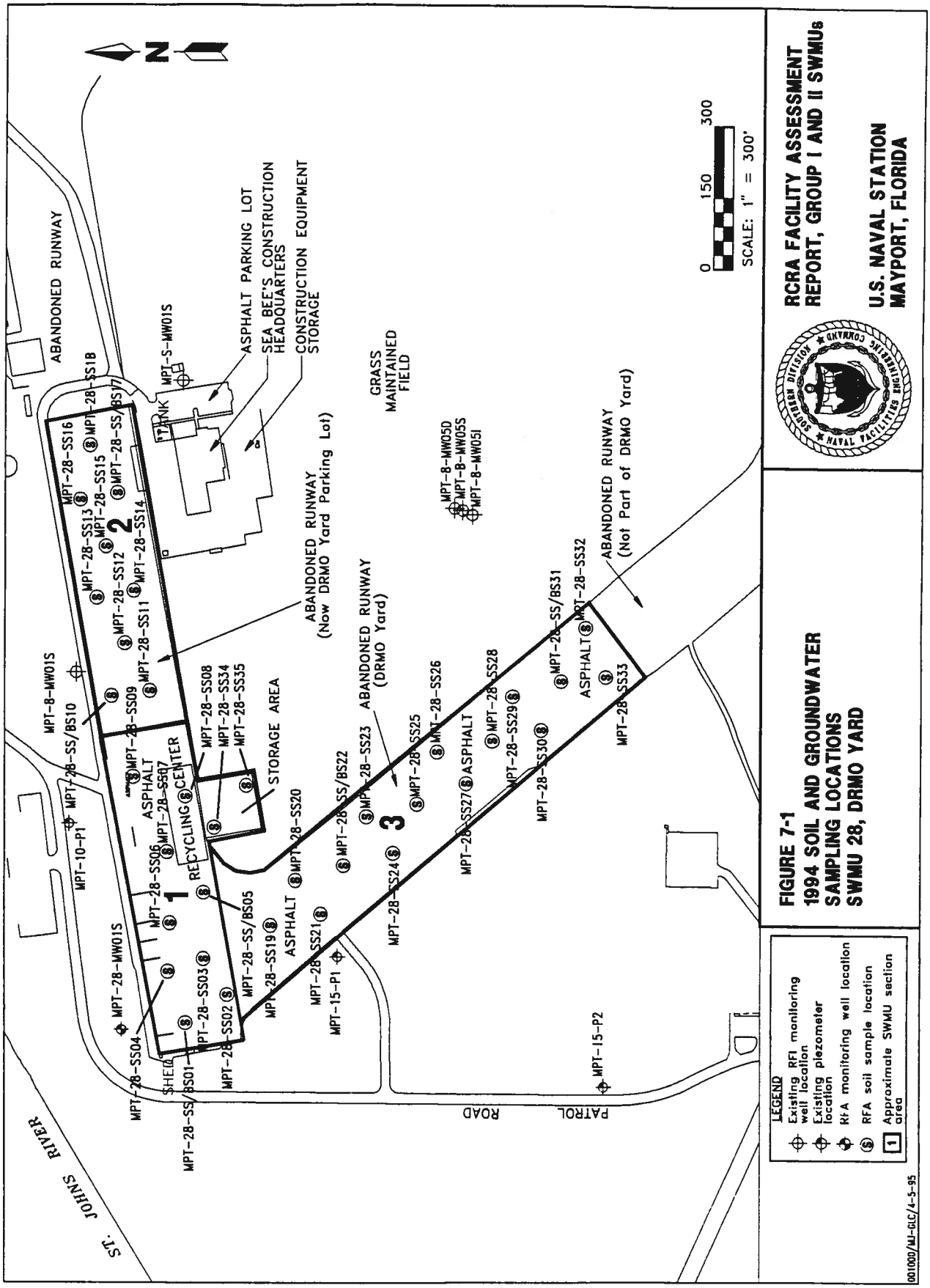


FIGURE 7-1
1994 SOIL AND GROUNDWATER SAMPLING LOCATIONS
SWMU 28, DRMO YARD

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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 south side of Section 1 (MPT-28-SS34 and MPT-28-SS35).

The surface soil samples were located in a staggered triangular pattern to achieve the most effective coverage of the DRMO Yard. Surface soil sample locations were chosen to bias the sampling toward areas most likely to be contaminated based on existing site knowledge. Some sample locations were adjusted within a radius of approximately 30 feet from the proposed location to areas evidenced by staining or asphalt cracking noted at the time of sampling.

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, samples MPT-28-BS01 and MPT-28-BS05;
- Section 2, samples MPT-28-BS10 and MPT-28-BS17; and
- Section 3, samples MPT-28-BS22 and MPT-28-BS31 (Figure 7-1).

The locations of the subsurface soil samples were selected based on two criteria. One subsurface soil sample location was selected based on screening each surface soil sample with an organic vapor analyzer (OVA). Within each section, the location of the surface soil sample with the highest OVA measurement was selected for collecting the subsurface soil sample. The other subsurface soil sample location was selected in the area with the most surface soil staining. If either of these conditions were not met, one sample was collected from the center of the sampling area and one sample was collected from an area that exhibited pavement deterioration or cracking.

At each of the subsurface soil sample locations, a boring was augered by hand from the land surface to the water table and samples were collected at discrete 2-foot intervals. An OVA was used to screen each subsurface soil sample. The sample with the highest OVA measurement was selected for laboratory analyses. When organic vapors were not detected, the sample was collected from 3 to 4 feet bls with the exception of sample 28BS00106, which was collected from 5 to 6 feet bls because the groundwater table was deeper at this location than at the other locations.

Groundwater samples were collected from three monitoring wells and two piezometers located near SWMU 28 (Figure 7-1). Piezometers are installed and constructed the same as shallow monitoring wells. These wells included monitoring wells MPT-8-MW01S, MPT-8-MW05S, and MPT-28-MW01S, and piezometers MPT-10-P01 and MPT-15-P01. Monitoring well MPT-8-MW01S is located adjacent to SWMU 7, the OWTP Sludge Drying Beds, and was sampled previously during the RFI activities for SWMUs 6 and 7 (January 1993). Monitoring well MPT-8-MW05S is located in the maintained field between two of the runway sections, and is one of the station wide background monitoring wells. Monitoring well MPT-8-MW05S has been previously sampled (January 1993). Monitoring well MPT-28-MW01S and piezometers MPT-10-P01 and MPT-15-P01 were sampled for the first time during the 1994 RFA SV investigations.

Because many field activities are similar for all NAVSTA Mayport SWMUs, the sampling procedures for RFI and RFA SV (confirmatory sampling) events are described in Section 2.1, Summary of Exploration and Sampling Program, of the

NAVSTA Mayport GIR (ABB-ES, 1995b). Site-specific elements and deviations from sampling procedures, if any, particular to SWMU 28 are discussed in subsequent paragraphs, and standard operating procedures are referenced where necessary. Monitoring well installation, soil and groundwater sampling procedures, and associated equipment decontamination procedures were conducted in general conformance with USEPA Region IV standard operating procedures (USEPA, 1991a).

Soil Sample Collection Procedure. Surface and subsurface soil sampling was accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991), and Subsection 2.1.1, Soil Sampling, of the GIR (ABB-ES, 1995b).

Monitoring Well Installation Procedure. Drilling and well installation were accomplished as described in the NAVSTA Mayport RFI (ABB-ES, 1991), and Subsection 2.1.1, Monitoring Well and Piezometer Installation, of the GIR (ABB-ES, 1995b).

Groundwater Sample Collection Procedure. Groundwater sampling was accomplished as described in Subsection 2.1.4, Groundwater Sampling, of the GIR (ABB-ES, 1995b).

Laboratory Analyses. Soil and groundwater samples were analyzed for the same target analytes including VOCs, SVOCs, pesticides, PCBs, metals, and cyanide selected from the groundwater monitoring list contained in Appendix IX, 40 CFR 264, and USEPA Contract Laboratory Program target compound list and target analyte list. The environmental samples were analyzed using methods from Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW 846) (USEPA, 1986). A list of the target analytes is provided in Appendix A and analytical results are provided in Appendix B.

7.3 FINDINGS. The following presents a brief description of the results of the RFA SV sampling activities at SWMU 28. The findings include site geologic and hydrogeologic conditions and results of the analyses of surface and subsurface soil samples and groundwater samples.

Site Geology Lithologic information in the vicinity of SWMU 28 is obtained from one soil boring drilled in June 1994 at SWMU 28 for the installation of a shallow monitoring well (monitoring well with screen placed across the water table) and four monitoring wells (MPT-8-MW01S, MPT-8-MW05S, MPT-10-P01, and MPT-15-P01) located near SWMU 28 (Figure 2-1). Boring logs are found in the GIR, Appendix A, Boring Logs (ABB-ES, 1995b).

Subsurface soils encountered during installation of other monitoring wells near SWMU 28 had minimal variation over the lateral distance between each location. The following is a description of the subsurface soils encountered at each of the five locations.

- Boring MPT-8-MW05S (located on the southeastern side of SWMU 28) encountered a sand from the land surface to the explored depth of approximately 15.0 feet. A 3-inch thick seam of organic rich sand was encountered at a depth of approximately 10.0 feet bls.

- Boring MPT-8-MW01S (northeastern side of SWMU 28) encountered sand from the land surface to an explored depth of approximately 17.0 feet.

- Boring MPT-10-P01 (north central side of SWMU 28) encountered sand from the land surface to an explored depth of approximately 15.0 feet.

- Boring MPT-15-P01 (western central side of SWMU 28) encountered sand from the land surface to an explored depth of approximately 15.0 feet.

- Boring MPT-28-MW01S (located near the northwestern corner of SWMU 28) encountered a silty sand to the explored depth of 18.5 feet bls. A 2-foot-thick layer of clayey sand was encountered at a depth of approximately 4.0 feet bls.

Geologic cross sections provided in the NAVSTA Mayport GIR (see Figures 3-5 and 3-6, ABB-ES, 1995b) depict subsurface geologic conditions in the vicinity of SWMU 28.

Site Hydrogeology. The groundwater levels at the SWMU 28 monitoring well and for other RFI and RFA SV sites at NAVSTA Mayport were measured within a 7-hour period on August 30, 1994. The depth to the groundwater level at each monitoring well location was measured relative to a notch or mark on the north side of each monitoring well surveyed to the NGVD of 1929 (commonly referred to as msl). The depths to groundwater measured at each monitoring well adjacent to SWMU 28 are provided in Table 7-1 and Appendix G has groundwater data for other monitoring wells in the vicinity of the site. Also shown on the table are values for the water level measurements relative to the NGVD datum. The elevation data were used to prepare a map of the potentiometric surface (lines that represent altitudes of equal height above the reference datum) of the water table zone of the surficial aquifer. The potentiometric surface map of the water table is used to infer that groundwater flow is from higher to lower altitudes in a direction perpendicular to the equipotential lines. Based on the equipotential lines shown on Figure 7-2, the groundwater flow direction at SWMU 28 is generally toward the northwest.

Table 7-1
Summary of SWMU 28 Water Level Data

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

Well/Piezometer	Elev. (msl)	Water Level 08/30/94		
		Time (EST)	Depth (TOC)	Elev. (msl)
MPT-8-MW01S	10.19	12:03 p.m.	10.01	0.18
MPT-8-MW05S	13.00	10:07 a.m.[1]	8.67	4.33
MPT-10-P01	10.68	17:10 p.m.	8.71	1.97
MPT-15-P01	13.28	17:10 p.m.	9.45	3.83
MPT-28-MW01S	11.85	17:15 p.m.	9.93	1.92

[1] Water level recorded by a programmable electronic monitor.

Notes: SWMU = solid waste management unit.
Elev. = elevation, National Geodetic Vertical Datum, 1929.
msl = mean sea level.
EST = Eastern Standard Time.
TOC = top of casing as datum.

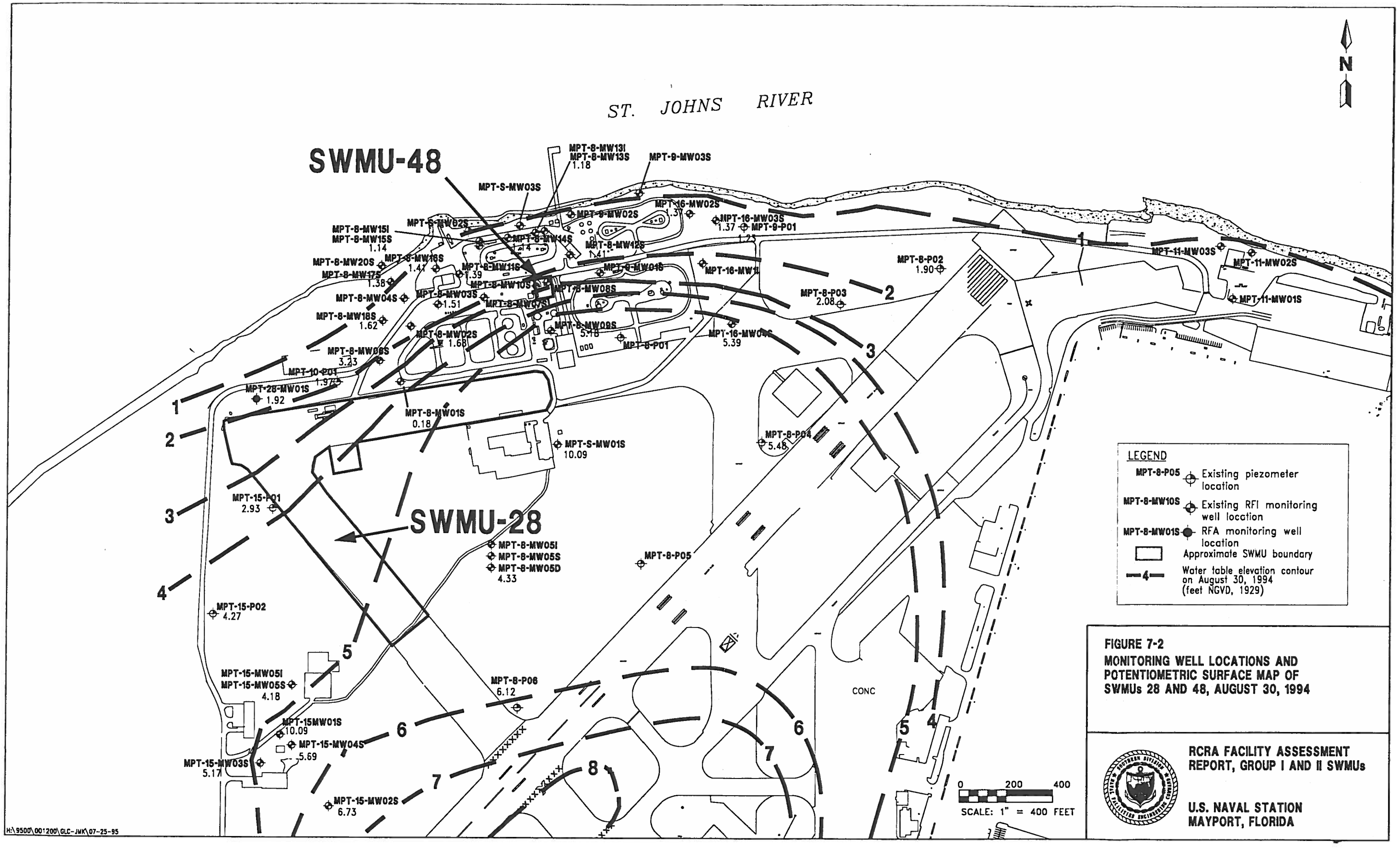


FIGURE 7-2
MONITORING WELL LOCATIONS AND POTENTIOMETRIC SURFACE MAP OF SWMUs 28 AND 48, AUGUST 30, 1994

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

The hydraulic position of the monitoring wells relative to SWMU 28 also is based on the equipotential lines shown on Figure 7-2. Monitoring well MPT-8-MW05S is located hydraulically upgradient of SWMU 28 (Table 7-2). Piezometer MPT-15-P01 is along a similar hydraulic equipotential line as the western part of SWMU 28. Monitoring wells MPT-8-MW01S, MPT-10-P01S, and MPT-28-MW01S are located on a hydraulic downgradient side of SWMU 28.

An approximation of the horizontal linear velocity of groundwater flow in the water table zone of the surficial aquifer in the vicinity of SWMU 28 is based on the potentiometric surface (hydraulic gradient) of the water table, estimates of radial hydraulic conductivities at monitoring well locations, and an estimate of the porosity (ratio of the volume of voids to total volume of the soil) of the saturated subsurface soil. The horizontal linear velocity was calculated from a modified form of Darcy's equation and represents the ratio of linear travel distance to travel time between two points (Freeze and Cherry, 1979). The horizontal linear velocity is expressed as V_D/N_e, where V_D is the Darcy velocity ($V_D = KI$, where K is radial hydraulic conductivity and I is hydraulic gradient) and N_e is the effective porosity of the saturated geologic stratum. An effective porosity of 0.35 is used in calculations. (See Section 3.2.3, Physical Characteristics of Soil, in the NAVSTA Mayport GIR, ABB-ES, 1995b).

In-situ radial hydraulic conductivity values for monitoring wells in the vicinity of SWMU 28 are presented in Table 7-3. The range of *in-situ* radial hydraulic conductivity values in the vicinity of SWMU 28 are approximately 1.2 feet per day (MPT-8-MW05S) to 5.5 feet per day (MPT-15-P02). The hydraulic gradient is not uniform over SWMU 28 and a value of 0.006 ft/ft near the central part of SWMU 28 was used in the computation of the horizontal linear velocity. An approximation of the horizontal linear velocity of the groundwater ranges from approximately 0.02 to 0.09 foot per day.

Based on the values for horizontal linear velocity and assuming no dilution, dispersion, or retardation, a contaminant in the water table zone of the surficial aquifer may travel at rates of 7 to 34 feet per year (Table 7-3).

Surface and Subsurface Soil Analytical Results. Tables 7-4 and 7-5 summarize the validated analytical results for organic and inorganic target analytes, respectively, detected in surface soil samples collected at SWMU 28. Tables 7-6 and 7-7 summarize the validated analytical results for organic and inorganic target analytes detected in subsurface soil samples collected at SWMU 28. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Tables 7-8 and 7-9 for surface and subsurface soil samples, respectively. Bench mark comparison values consist of background screening values computed from station-wide surface and subsurface soil samples (ABB-ES, 1995b), the USEPA soil screening guidance values (USEPA, 1994), USEPA Region III RBC (USEPA, 1995) and the State of Florida cleanup goals (FDEP, 1995). The State of Florida cleanup goals consist of residential values for surface soil and industrial worker values for subsurface soil.

Each of the bench mark criteria provided in Tables 7-8 and 7-9 are human health based and represent the lower of either a noncarcinogenic HI where values of less than 1 represent a concentration where noncarcinogenic effects are not likely or a lifetime excess cancer risk of 10^{-6}, which represents a chance of 1 in

Table 7-2
Summary of Monitoring Well Installations Near SWMU 28

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

SWMU Number	Monitoring Well No.	Hydraulic Position	Diameter (inches)	Total Depth (feet)	Screened Interval (ft bls)
8	MPT-8-MW01S	D	2	10	6 to 16
8	MPT-8-MW05S	U	2	10	5 to 15
10	MPT-10-P01	D	2	15	10 to 15
15	MPT-15-P01	S	2	15	10 to 15
28	MPT-28-MW01S	D	2	12.5	8 to 18

Notes: SWMU = solid waste management unit.
ft bls = feet below land surface.
D = Hydraulically downgradient from SWMU 28.
U = Hydraulically upgradient from SWMU 28.
S = Along a similar hydraulic gradient.

Table 7-3
Average Groundwater Velocities at SWMU 28

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

Location	Estimated Effective Porosity	Radial Hydraulic Conductivity[2] (feet per day)	Hydraulic Gradient[1] (feet per feet)	Estimated Linear Velocity (feet per day)	Estimated Linear Velocity (feet per year)
MPT-8-MW05S	0.35	1.22	0.006	0.02	7
MPT-8-MW06S	0.35	1.82	0.006	0.03	11
MPT-15-P02S	0.35	5.52	0.006	0.09	34

[1] Based on estimated synoptic water table elevations on August 30, 1994
[2] Estimated from in-situ conductivity measurements conducted during February 1993.

Table 7-4
Organic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7675	M7675	M7675	M7675	M7675	M7675	M7675	M767
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS01	MPT-28-SS02	MPT-28-SS02	MPT-28-SS03	MPT-28-SS04	MPT-28-SS05	MPT-28-SS06	MPT-28-SS07
Sample Number:	28SS00101	28SS00201	28SS00201Dup	28SS00301	28SS00401	28SS00501	28SS00601	28SS00701
Sample Date:	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
VOCs (µg/kg)								
Methylene chloride	--	--	--	--	--	--	--	--
Acetone	--	--	--	--	--	--	--	--
Xylenes (total)	--	--	--	--	--	6	--	--
SVOCs (µg/kg)								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	43 J	--	--	--	--	--
Di-n-Butylphthalate	--	--	41 J	--	--	--	--	75 J
Fluoranthene	--	--	--	--	--	--	--	--
Pyrene	--	--	37 J	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--

See notes at end of table.

Table 7-4 (Continued)
Organic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7684	M7684	M7684	M7684	M7684	M7684	M7684	M7684
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS08	MPT-28-SS09	MPT-28-SS10	MPT-28-SS11	MPT-28-SS12	MPT-28-SS13	MPT-28-SS14	MPT-28-SS14
Sample Number:	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301	28SS01401	28SS01401Dup
Sample Date:	10-AUG-94	05-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
VOCs (µg/kg)								
Methylene chloride	--	--	--	--	--	--	--	--
Acetone	--	97 J	--	--	--	--	--	--
Xylenes (total)	--	1 J	--	1 J	--	2 J	--	--
SVOCs (µg/kg)								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	--	--	--	--
Di-n-Butylphthalate	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	49 J	--	--	--	--
Pyrene	--	--	--	39 J	--	--	--	--
Butylbenzylphthalate	--	--	86 J	100 J	83 J	--	--	--
Benzo(a)anthracene	--	--	--	46 J	--	--	--	--
Chrysene	--	--	--	42 J	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	95 J	41 J	--	--	--
Di-n-octylphthalate	--	--	--	40 J	--	--	--	--
Benzo(b)fluoranthene	--	--	--	50 J	--	--	--	--
Benzo(k)fluoranthene	--	--	--	48 J	--	--	--	--
Benzo(a)pyrene	--	--	--	50 J	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	48 J	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	52 J	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	50 J	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--

See notes at end of table.

Table 7-4 (Continued)
Organic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7684	M7684	M7684	M7684	M7684	M7684	M7675	M7675
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS15	MPT-28-SS16	MPT-28-SS17	MPT-28-SS18	MPT-28-SS19	MPT-28-SS20	MPT-28-SS21	MPT-28-SS21
Sample Number:	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101Dup
Sample Date:	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	05-AUG-94	05-AUG-94
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
VOCs (µg/kg)								
Methylene chloride	--	--	--	--	--	--	--	--
Acetone	--	--	--	--	--	--	--	--
Xylenes (total)	--	--	2 J	--	--	--	--	--
SVOC (µg/kg)								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	--	--	--	--
Di-n-Butylphthalate	92 J	160 J	--	--	--	--	--	52 J
Fluoranthene	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	37 J	--	--	--	--	--	--	44 J
Di-n-octylphthalate	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	--

See notes at end of table.

Table 7-4 Continued)
Organic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7675	M7675	M7675	M7675	M7675	M7675	M7675	M7675
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS22	MPT-28-SS23	MPT-28-SS24	MPT-28-SS25	MPT-28-SS26	MPT-28-SS27	MPT-28-SS28	MPT-28-SS29
Sample Number:	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901
Sample Date:	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94
Sample Depth (ft bls)	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
VOCs (µg/kg)								
Methylene chloride	--	--	--	--	--	--	--	--
Acetone	--	--	--	--	110 J	--	--	--
Xylenes (total)	--	--	--	--	--	--	--	--
SVOCs (µg/kg)								
4-Chloro-3-methylphenol	--	--	--	--	--	--	--	55 J
Diethylphthalate	--	--	--	--	--	--	--	--
Di-n-Butylphthalate	--	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--	62 J
Butylbenzylphthalate	--	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--	89 J

See notes at end of table.

Table 7-4 (Continued)
Organic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7675	M7675	M7683	M7683	M7683	M7698	M7698
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS30	MPT-28-SS30	MPT-28-SS31	MPT-28-SS32	MPT-28-SS33	MPT-28-SS34	MPT-28-SS35
Sample Number:	28SS03001	28SS03001Dup	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
Sample Date:	05-AUG-94	05-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	10-AUG-94	10-AUG-94
Sample Depth (ft bls)	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
VOCs (µg/kg)							
Methylene chloride	--	--	--	--	--	4 J	--
Acetone	--	--	--	--	--	--	--
Xylenes (total)	--	--	--	--	--	--	--
SVOCs (µg/kg)							
4-Chloro-3-methylphenol	--	--	--	--	--	--	--
Diethylphthalate	--	--	--	--	--	--	--
Di-n-Butylphthalate	--	--	--	--	--	--	--
Fluoranthene	--	--	--	--	--	--	--
Pyrene	--	--	--	--	--	--	--
Butylbenzylphthalate	--	--	--	--	--	--	--
Benzo(a)anthracene	--	--	--	--	--	--	--
Chrysene	--	--	--	--	--	--	--
bis(2-Ethylhexyl)phthalate	--	--	--	--	--	--	--
Di-n-octylphthalate	--	--	--	--	--	--	--
Benzo(b)fluoranthene	--	--	--	--	--	--	--
Benzo(k)fluoranthene	--	--	--	--	--	--	--
Benzo(a)pyrene	--	--	--	--	--	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	--	--	--
Dibenz(a,h)anthracene	--	--	--	--	--	--	--
Benzo(g,h,i)perylene	--	--	--	--	--	--	--
2-Chlorophenol	--	--	--	--	--	--	--

Notes: Suffix Dup = a duplicate sample to the corresponding environmental sample.
SWMU = solid waste management system.
ft bls = feet below land surface.
VOCs = volatile organic compounds.
µg/kg = micrograms per kilogram.
-- = analyte not detected.
SVOCs = semivolatile organic compounds.
"J" = estimated value.

Table 7-5
Inorganic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7675	M7675	M7675	M7675	M7675	M7675	M7675	M7675
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS01	MPT-28-SS02	MPT-28-SS02	MPT-28-SS03	MPT-28-SS04	MPT-28-SS05	MPT-28-SS06	MPT-28-SS07
Sample Number:	28SS00101	28SS00201	28SS00201DUP	28SS00301	28SS00401	28SS00501	28SS00601	28SS00701
Sample Date:	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94
Sample Depth (ft bls):	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0
Inorganics (mg/kg)								
Antimony	--	--	--	--	--	--	--	--
Arsenic	0.74 J	0.85 J	1.6 J	1.2 J	0.61 J	1.6 J	0.79 J	1.5 J
Barium	5 J	4.1 J	6.2 J	7.1 J	4 J	7.4 J	4.3 J	17.4 J
Beryllium	--	0.06 J	0.28 J	0.08 J	0.09 J	0.13 J	0.05 J	0.14 J
Chromium	2 J	2 J	2.4	3.6	2 J	3.5	1.8 J	3.6
Cobalt	--	--	--	--	--	--	--	0.59 J
Copper	--	--	--	1.2 J	--	1.5 J	--	4.5 J
Lead	1.5	2	2.8	--	--	--	--	--
Mercury	--	0.12	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--	--
Silver	--	--	--	0.54 J	--	--	--	0.56 J
Tin	2.5 J	2.4 J	2.1 J	3.4 J	3.8 J	2.3 J	2.4 J	2.8 J
Vanadium	1.7 J	1.8 J	1.9 J	3.9 J	2 J	4.1 J	1.7 J	3.2 J
Zinc	2.5 J	1.4 J	2.2 J	--	--	--	--	--
Cyanide	--	--	--	--	--	--	--	--

See notes at end of table.

Table 7-5 (Continued)
Inorganic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7684	M7684	M7684	M7684	M7684	M7684	M7684	M7684
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS08	MPT-28-SS09	MPT-28-SS10	MPT-28-SS11	MPT-28-SS12	MPT-28-SS13	MPT-28-SS14	MPT-28-SS14
Sample Number:	28SS00801	28SS00901	28SS01001	28SS01101	28SS01201	28SS01301	28SS01401	28SS01401DUP
Sample Date:	10-AUG-94	05-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94
Sample Depth (ft bls):	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0
Inorganics (mg/kg)								
Antimony	--	--	--	--	--	--	--	--
Arsenic	1.1 J	0.59 J	0.71 J	1.1 J	0.66 J	0.74 J	0.59 J	0.71 J
Barium	4.1 J	2.7 J	3.2 J	6.2 J	3.7 J	2.2 J	2.2 J	2.5 J
Beryllium	0.05 J	0.09 J	--	0.08 J	0.07 J	0.06 J	0.04 J	0.06 J
Chromium	1.4 J	1.9 J	1.2 J	2.3	2 J	1.6 J	1.6 J	1.2 J
Cobalt	--	0.73 J	--	--	--	--	--	--
Copper	--	1 J	--	0.99 J	--	1.3 J	--	--
Lead	1.3	0.45 J	--	--	--	2	--	--
Mercury	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--
Selenium	0.47 J	--	--	--	--	--	--	--
Silver	--	--	--	--	--	--	--	--
Tin	--	3.7 J	--	3.2 J	2.2 J	--	3.6 J	2.3 J
Vanadium	1.5 J	1.6 J	1.1 J	2.3 J	1.7 J	1.3 J	0.97 J	0.88 J
Zinc	--	--	1.1 J	8.6	1.7 J	3.7 J	1.7 J	1.2 J
Cyanide	--	--	--	--	--	--	--	--

See notes at end of table.

Table 7-5 (Continued)
Inorganic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7684	M7684	M7684	M7684	M7684	M7684	M7675	M7675
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS15	MPT-28-SS16	MPT-28-SS17	MPT-28-SS18	MPT-28-SS19	MPT-28-SS20	MPT-28-SS21	MPT-28-SS21
Sample Number:	28SS01501	28SS01601	28SS01701	28SS01801	28SS01901	28SS02001	28SS02101	28SS02101DUP
Sample Date:	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	05-AUG-94	05-AUG-94
Sample Depth (ft bls):	0 to 1.0 ft	0 to 1.0 ft	0 to 1.0 ft	0 to 1.0 ft	0 to 1.0 ft	0 to 1.0 ft	0 to 1.0 ft	0 to 1.0 ft
Inorganics (mg/kg)								
Antimony	--	--	.89 J	--	--	--	--	--
Arsenic	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	5.6 J	4.3 J	9.5 J	6 J	4.3 J	6.4 J	2.9 J	5.4 J
Beryllium	0.08 J	0.1 J	0.13 J	0.12 J	--	0.5 J	0.12 J	0.13 J
Chromium	2.1 J	2 J	2.6	2.4	1.3 J	2.3	2.6	2.7
Cobalt	--	--	--	--	--	--	0.67 J	--
Copper	--	1.3 J	1.2 J	--	1.5 J	--	--	--
Lead	2.6	--	--	--	2.1	--	3 J	1.2 J
Mercury	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--
Selenium	--	--	--	--	0.29 J	--	--	--
Silver	--	--	--	--	--	--	--	--
Tin	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	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	3.9 J	2 J	2.3 J	2.2 J	2.9 J	1.8 J	--	--
Cyanide	--	--	0.05 J	--	--	--	--	--

See notes at end of table.

Table 7-5 (Continued)
Inorganic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7675	M7675	M7675	M7675	M7675	M7675	M7675	M7675
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS22	MPT-28-SS23	MPT-28-SS24	MPT-28-SS25	MPT-28-SS26	MPT-28-SS27	MPT-28-SS28	MPT-28-SS29
Sample Number:	28SS02201	28SS02301	28SS02401	28SS02501	28SS02601	28SS02701	28SS02801	28SS02901
Sample Date:	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94	05-AUG-94
Sample Depth (ft bls)	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0
Inorganics (mg/kg)								
Antimony	--	--	--	--	--	--	--	--
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
Barium	4 J	4.6 J	7.1 J	6.5 J	3.5 J	4.8 J	5.8 J	4.2 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
Chromium	3.1	1.9 J	3.9	2.1 J	2.4	2.6	3.1	2 J
Cobalt	--	--	0.95 J	0.59 J	--	0.58 J	0.61 J	--
Copper	--	1.2 J	2.2 J	0.87 J	--	1 J	4.1 J	--
Lead	0.87 J	--	0.83 J	0.51 J	0.92 J	1.5 J	0.9 J	1 J
Mercury	--	--	--	--	--	--	--	--
Nickel	--	--	--	--	--	--	--	--
Selenium	--	--	--	--	--	--	--	--
Silver	--	--	--	0.48 J	--	--	0.61 J	--
Tin	2.3 J	3.3 J	3.5 J	2.7 J	3.8 J	4.5 J	3.3 J	3 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
Zinc	--	--	--	--	--	--	3.4 J	--
Cyanide	--	--	--	--	--	--	--	--

See notes at end of table.

Table 7-5 (Continued)
Inorganic Analytes Detected in Surface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7675	M7675	M7683	M7683	M7683	M7698	M7698
Sample Matrix:	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil	Surface Soil
Sample Location:	MPT-28-SS30	MPT-28-SS30	MPT-28-SS31	MPT-28-SS32	MPT-28-SS33	MPT-28-SS34	MPT-28-SS35
Sample Number:	28SS03001	28SS03001DUP	28SS03101	28SS03201	28SS03301	28SS03401	28SS03501
Sample Date:	05-AUG-94	05-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	10-AUG-94	10-AUG-94
Sample Depth (ft bls)	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0	0 to 1.0
Inorganics (mg/kg)							
Antimony	--	--	--	--	--	--	--
Arsenic	0.77 J	0.6 J	0.55 J	3.2 J	0.9 J	1.2 J	1.2 J
Barium	5.4 J	6.2 J	7.9 J	5.3 J	8.9 J	6.6 J	7.5 J
Beryllium	0.1 J	0.15 J	--	--	--	0.8 J	0.2 J
Chromium	2.4	3 J	2.7	2.2	2.5	3.5	5
Cobalt	--	--	--	--	--	--	1 J
Copper	1.8 J	2.6 J	--	--	--	6.8	--
Lead	--	--	1.7 J	2.4 J	5.6 J	6.1	3.2
Mercury	--	1 J	--	--	--	--	--
Nickel	--	--	--	--	--	--	1.6 J
Selenium	--	--	--	--	--	--	--
Silver	--	--	0.48 J	--	0.78	--	--
Tin	3.5 J	3.2 J	27.5 J	4.3 J	3 J	--	--
Vanadium	1.8 J	1.8 J	2.1 J	1.6 J	2.2 J	6 J	5 J
Zinc	--	--	17.2	--	--	16.7	15
Cyanide	--	--	--	--	--	--	--

Notes: SWMU = solid waste management unit.
ft bls = feet below land surface.
mg/kg = milligrams per kilogram.
-- = analyte not detected.
"J" = estimated value.

Table 7-6
Organic Analytes Detected in Subsurface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Laboratory Batch No.:	M7684	M7684	M7684	M7684	M7684	M7683	M7683
Sample Location:	MPT-28-BS01	MPT-28-BS05	MPT-28-BS10	MPT-28-BS17	MPT-28-BS22	MPT-28-BS031	MPT-28-BS031
Sample No.:	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104D	28BS03104D
Sample Date:	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94
Sample Depth (ft bls)	5 - 6	4 - 5	3 - 4	3 - 4	3 - 4	3 - 4	3 - 4
VOCs (8240) (μg/kg)							
Acetone	--	200 J	88 J	59 J	--	--	--
Carbon disulfide	--	24	2 J	--	3 J	--	--
2-Butanone	--	21 J	--	--	--	--	--
Xylenes (total)	--	--	1 J	2 J	--	--	--
SVOCs (8270) (μg/kg)							
Di-n-Butylphthalate	--	--	--	50 J	--	--	--
Fluoranthene	--	--	--	--	280 J	--	--
Pyrene	--	--	--	--	280 J	--	--
Butylbenzylphthalate	--	--	--	--	230 J	--	--
Benzo(a)anthracene	--	--	--	--	210 J	--	--
Chrysene	--	--	--	--	270 J	--	--
Benzo(b)fluoranthene	--	--	--	--	310 J	--	--
Indeno(1,2,3-cd)pyrene	--	--	--	--	290 J	--	--
Dibenz(a,h)anthracene	--	--	--	--	180 J	--	--
Benzo(g,h,i)perylene	--	--	--	--	200 J	--	--

Notes: SWMU = solid waste management unit.
ft bls = feet below land surface.
VOCs = volatile organic compounds.
μg/kg = micrograms per kilogram.
-- = analyte not detected.
SVOCs = semivolatile organic compounds.
"J" = estimated value.

Table 7-7
Inorganic Analytes Detected in Subsurface Soil Samples Collected at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Laboratory Batch No.:	M7684	M7684	M7684	M7684	M7684	M7683	M7683
Sample Location:	MPT-28-BS01	MPT-28-BS05	MPT-28-BS10	MPT-28-BS17	MPT-28-BS22	MPT-28-BS31	MPT-28-BS031
Sample No.:	28BS00106	28BS00504	28BS01004	28BS01704	28BS02204	28BS03104	28BS03104D
Sample Date:	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94	06-AUG-94
Sample Depth (ft bls)	5 - 6	3 - 4	3 - 4	3 - 4	3 - 4	3 - 4	3 - 4
Inorganics (mg/kg)							
Antimony	--	--	--	.67 J	--	--	--
Arsenic	.56 J	8.3 J	1.6 J	.83 J	4 J	.34 J	.43 J
Barium	2.1 J	26.9 J	3.9 J	5.9 J	8.4 J	8.9 J	5.2 J
Beryllium	--	1.3 J	.15 J	.11 J	.28 J	--	--
Cadmium	--	--	--	--	--	--	1.1
Chromium	1 J	38.7	4	2.3 J	8.1	1.8 J	1.7 J
Cobalt	--	7.4 J	.87 J	--	1.3 J	--	--
Copper	--	7.1 J	1.3 J	--	2 J	--	--
Lead	--	11.3	1.7	--	6.4	2 J	1.3 J
Mercury	--	1	--	--	.32	--	--
Nickel	--	10.6 J	--	--	2.2 J	--	--
Selenium	--	--	.36 J	.39 J	--	--	--
Tin	3.8 J	4.3 J	3.7 J	2.9 J	3.8 J	4.4 J	4.6 J
Vanadium	.85 J	38	3.3 J	2 J	8.5 J	1.5 J	1.4 J
Zinc	1.7 J	46	3.6 J	2 J	21.4	--	--
Cyanide	--	--	--	--	--	--	.06 J

Notes: SWMU = solid waste management unit.
ft bls = feet below land surface.
VOCs = volatile organic compounds.
mg/kg = milligrams per kilogram.
-- = analyte not detected.
SVOCs = semivolatile organic compounds.
"J" = estimated value.

1,000,000 for an adverse carcinogenic effect for a continuous lifetime exposure. The concentrations listed for the USEPA Region III RBCs correspond to an HI of0.1, whereas the USEPA Superfund SSL and the State of Florida cleanup goals are based on an HI of 1. The Federal NCP final rule (40 CFR, Part 300) states that for carcinogens a lifetime excess cancer risk within the range of 10^{-4} (a chance of 1 in 10,000 for an adverse carcinogenic effect for a continuous lifetime exposure) to 10^{-6} represents concentrations that are considered by USEPA to be protective of human health.

Surface Soils. Target analytes detected in surface soil samples collected in Section 1 of SWMU 28 consisted of 2 VOCs (acetone and xylenes), 3 SVOCs (diethylphthalate, di-n-butylphthalate, and pyrene) and 13 inorganics (arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, selenium, silver, tin, vanadium, and zinc).

Target analytes detected in surface soil samples collected in Section 2 of SWMU 28 consisted of 1 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, dibenz(a,h)anthracene, and benzo(g,h,i)perylene) and 13 inorganics (antimony, arsenic, barium, beryllium, chromium, cobalt, copper, lead, selenium, tin, vanadium, zinc, and cyanide).

Target analytes detected in surface soil samples collected in Section 3 of SWMU 28 consisted of 1 VOC (acetone), 5 SVOCs (di-n-butylphthalate, bis(2-ethylhexyl)-phthalate, 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).

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).

Pesticides and PCBS were not detected in any of the surface soil samples from Sections 1, 2, or 3 of SWMU 28.

Subsurface Soil. Target analytes detected in the subsurface soil samples collected at Section 1 of SWMU 28 consisted of 3 VOCs (acetone, carbon disulfide, and 2-butanone) and 12 inorganics (arsenic, barium, beryllium, chromium, cobalt, copper, lead, mercury, nickel, tin, vanadium, and zinc). SVOCs, pesticides and PCBs were not detected in subsurface soil samples collected at Section 1.

Target analytes detected in subsurface soil samples collected at Section 2 of SWMU 28 consisted of 3 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). Pesticides and PCBs were not detected in subsurface soil samples collected at Section 2.

Target analytes detected in subsurface soil samples collected in Section 3 of SWMU 28 consisted of 1 VOC (carbon disulfide), 9 SVOCs (fluoranthene, pyrene, butylbenzyl-phthalate, benzo(a)anthracene, chrysene, benzo(b)fluoranthene, indeno(1,2,3-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). Pesticides and PCBs were not detected in the soil samples collected at Section 3.

Table 7-8
Chemicals of Potential Concern in Surface Soil at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations (*)[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Volatiles (µg/kg)										
Acetone	2/35	10 to 12	97 to 110	104	ND	780,000	7,800,000	130,000	No	S, P, G
Methylene chloride	1/35	5 to 6	4	4	ND	85,000	85,000	9,300	No	S, P, G
Xylenes (total)	5/35	5 to 6	1 to 6	2.4	ND	16,000,000	160,000,000	6,400,000	No	S, P, G
Semivolatiles (µg/kg)										
2-Chlorophenol	1/35	340 to 3,600	89	89	ND	39,000	NA	220	No	S, G
4-Chloro-3-methylphenol	1/35	340 to 3,600	55	55	ND	NA	NA	NA	Yes	
Benzo(a)anthracene	1/35	340 to 3,600	46	46	ND	880	900	1,400	No	S, P, G
Benzo(a)pyrene	1/35	340 to 3,600	50	50	ND	88	90	140	No	S, P, G
Benzo(b)fluoranthene	1/35	340 to 3,600	50	50	ND	880	900	1,400	No	S, P, G
Benzo(g,h,i)perylene	1/35	340 to 3,600	50	50	ND	NA	NA	14,000	No	G
Benzo(k)fluoranthene	1/35	340 to 3,600	48	48	ND	8,800	9,000	14,000	No	S, P, G
Butylbenzylphthalate	3/35	340 to 3,600	83 to 100	89.7	ND	1,600,000	16,000,000	15,000,000	No	S, P, G
Chrysene	1/35	340 to 3,600	42	42	ND	88,000	88,000	140,000	No	S, P, G
Di-n-butylphthalate	5/35	340 to 3,600	75 to 203.5*	128	ND	780,000	7,800,000	7,500,000	No	S, P, G
Di-n-octylphthalate	1/35	340 to 3,600	40	40	ND	160,000	1,600,000	1,500,000	No	S, P, G
Dibenz(a,h)anthracene	1/35	340 to 3,600	52	52	ND	88	90	140	No	S, P, G
Diethylphthalate	1/35	340 to 3,600	111.5*	112	ND	6,300,000	63,000,000	51,000,000	No	S, P, G
Fluoranthene	1/35	340 to 3,600	49	49	ND	310,000	3,100,000	2,800,000	No	S, P, G
Indeno(1,2,3-cd)pyrene	1/35	340 to 3,600	48	48	ND	880	900	1,400	No	S, P, G
Pyrene	3/35	340 to 3,600	39 to 108.5*	69.8	ND	230,000	2,300,000	2,200,000	No	S, P, G
bis(2-Ethylhexyl)phthalate	4/35	340 to 3,600	37 to 199.5*	93.1	ND	46,000	46,000	45,000	No	S, P, G

See notes at end of table.

Table 7-8 (Continued)
Chemicals of Potential Concern in Surface Soil at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations (*)[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Pesticides/PCBs (µg/kg)										
No analytes detected										
Inorganics (mg/kg)										
Antimony	1/35	1.04 to 1.12	0.89	0.89	ND	3.1	31	26	No	S, P, G
Arsenic	35/35	2.075 to 2.25	0.49* to 3.2	0.97	ND	[9]0.37	0.4	0.7	Yes	
Barium	35/35	41.515 to 44.99	2.2 to 17.4	5.6	5.6	550	5,500	5,000	No	S, P, G
Beryllium	29/35	1.04 to 1.12	0.05 to 0.2	0.1	0.16	0.15	0.1	0.1	Yes	
Chromium	35/35	2.075 to 2.25	1.2 to 5	2.4	2.6	[10]39	390	[10]150	No	S, P, G
Cobalt	8/35	10.375 to 11.25	0.58 to 3.0125*	1	ND	470	NA	4,700	No	S, G
Copper	16/35	5.19 to 5.62	0.87 to 6.8	2.1	2.2	290	NA	2,900	No	S, G
Lead	21/35	0.62 to 0.67	0.45 to 6.1	1.9	ND	[11]400	[11]400	500	No	S, P, G
Mercury	1/35	0.04 to 0.04	0.07*	0.07	ND	2.3	23	23	No	S, P, G
Nickel	1/35	8.305 to 9	1.6	1.6	ND	160	1,600	1,500	No	S, P, G
Selenium	2/35	1.04 to 1.12	0.29 to 0.47	0.38	ND	39	390	390	No	S, P, G
Silver	6/35	2.075 to 2.25	0.48 to 0.78	0.58	ND	39	390	380	No	S, P, G
Tin	30/35	10.375 to 11.25	2.2 to 27.5	3.9	5.4	4,700	NA	44,000	No	S, G
Vanadium	35/35	10.375 to 11.25	0.925* to 6	2.2	4	55	550	480	No	S, P, G
Zinc	17/35	4.15 to 4.5	1.1 to 17.2	5.2	2.6	2,300	23,000	23,000	No	S, P, G
Cyanide	1/35	2.075 to 2.25	0.05	0.05	ND	160	1,600	1,600	No	S, P, G

See notes on next page.

Table 7-8 (Continued)
Chemicals of Potential Concern in Surface Soil at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations (*)[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III RBC tables dated February 1995, and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.
[7] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the aggregate resident based on a cancer risk of 10^{-6} and the child resident based on a hazard quotient of 1.
[8] Analytes were included or excluded from the risk assessment for the following reasons:
- S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
- G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
- B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
- F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
- C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
- M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
- P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.

[9] The value is based on arsenic as a carcinogen.
[10] The value is based on chromium hexavalent form.
[11] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) sites.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include:
Background sample locations include: MPT-B-SS01; MPT-B-SS02; MPT-B-SS03; MPT-B-SS04; MPT-B-SS05; MPT-B-SS06
Duplicate background sample locations include: MPT-B-SS01Dup

SWMU = solid waste management unit.
CPC = chemicals of potential concern.
μg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilograms.

Table 7-9
Chemicals of Potential Concern in Subsurface Soil at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Volatiles (µg/kg)										
2-Butanone	1/6	11 to 21	21	21	ND	4,700,000	NA	17,000,000	No	S, G
Acetone	3/6	11 to 21	59 to 200	116	ND	780,000	7,800,000	890,000	No	S, P, G
Carbon disulfide	3/6	5 to 11	2 to 24	9.7	ND	780,000	7,800,000	18,000	No	S, P, G
Xylenes (total)	2/6	5 to 11	1 to 2	1.5	ND	16,000,000	160,000,000	44,000,000	No	S, P, G
Semivolatiles (µg/kg)										
Benzo(a)anthracene	1/6	350 to 1,700	210	210	ND	880	900	4,900	Yes	C
Benzo(b)fluoranthene	1/6	350 to 1,700	310	310	ND	880	900	4,900	Yes	C
Benzo(g,h,i)perylene	1/6	350 to 1,700	200	200	ND	NA	NA	50,000	No	G
Butylbenzylphthalate	1/6	350 to 1,700	230	230	ND	1,600,000	16,000,000	300,000,000	No	S, P, G
Chrysene	1/6	350 to 1,700	270	270	ND	88,000	88,000	490,000	Yes	C
Di-n-butylphthalate	1/6	350 to 1,700	50	50	ND	780,000	7,800,000	150,000,000	No	S, P, G
Dibenz(a,h)anthracene	1/6	350 to 1,700	180	180	ND	88	90	500	Yes	C
Fluoranthene	1/6	350 to 1,700	280	280	ND	310,000	3,100,000	44,000,000	No	S, P, G
Indeno(1,2,3-cd)pyrene	1/6	350 to 1,700	290	290	ND	880	900	5,000	Yes	C
Pyrene	1/6	350 to 1,700	280	280	ND	230,000	2,300,000	37,000,000	No	S, P, G
Pesticides/PCBs (µg/kg)										
No Analytes detected										

See notes at end of table.

Table 7-9 (Continued)
Chemicals of Potential Concern in Subsurface Soil at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Inorganics (mg/kg)										
Antimony	1/6	1.06 to 1.89	0.67	0.67	ND	3.1	31	210	No	S, P, G
Arsenic	6/6	2.12 to 3.78	0.385* to 8.3	2.6	0.9	[9]0.37	0.4	3.	Yes	
Barium	6/6	42.42 to 75.61	2.1 to 26.9	9	7.2	550	5,500	74,000	No	S, P, G
Beryllium	4/6	1.06 to 1.89	0.11 to 1.3	0.46	0.14	0.15	0.1	0.2	Yes	
Cadmium	1/6	1.06 to 1.89	0.82*	0.82	ND	3.9	39	600	No	S, P, G
Chromium	6/6	2.12 to 3.78	1 to 38.7	9.3	3.4	[10]39	390	[10]220	No	S, P, G
Cobalt	3/6	10.6 to 18.9	0.87 to 7.4	3.2	1.04	470	NA	110,000	No	S, G
Copper	3/6	5.3 to 9.45	1.3 to 7.1	3.5	3.6	290	NA	72,000	No	S, G
Lead	4/6	0.64 to 1.13	1.65* to 11.3	5.3	2.8	[11]400	400	1,000	No	S, P, G
Mercury	2/6	0.04 to 0.08	0.32 to 1	0.66	0.06	2.3	23	480	No	S, P, G
Nickel	2/6	8.48 to 15.12	2.2 to 10.6	6.4	ND	160	1,600	11,000	No	S, P, G
Selenium	2/6	1.06 to 1.89	0.36 to 0.39	0.38	ND	39	390	9,900	No	S, P, G
Tin	6/6	10.6 to 18.9	2.9 to 4.5*	3.8	5.4	4,700	NA	660,000	No	B
Vanadium	6/6	10.6 to 18.9	0.85 to 38	9	3.2	55	550	4,800	No	S, P, G
Zinc	5/6	4.24 to 7.56	1.7 to 46	14.9	4.8	2,300	23,000	550,000	No	S, P, G
Cyanide	1/6	2.12 to 3.78	0.57*	0.57	0.66	160	1600	40,000	No	B

See notes on next page.

Table 7-9 (Continued)
Chemicals of Potential Concern in Subsurface Soil at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III RBC tables dated February 1995, and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.
[7] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the Industrial Worker based on a cancer risk of 10^{-6} and the general worker based on a hazard quotient of 1.
[8] Analytes were included or excluded from the risk assessment for the following reasons:
S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.
[9] The value is based on arsenic as a carcinogen.
[10] The value is based on chromium hexavalent form.
[11] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) sites.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 28BS00106, 28BS00504, 28BS01004, 28BS01704, 28BS002204, 28BS03104,
Duplicate sample locations include: 28BS03104D
Background sample locations include: MPT-B-BS01; MPT-B-BS04; MPT-B-BS05; MPT-B-BS06
Duplicate background sample locations include: MPT-B-BS1Dup

SWMU = solid waste management unit.
CPC = chemicals of potential concern.
μg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilograms.

Groundwater Analytical Results. A summary of groundwater quality parameters is provided in Table 7-10 and Table 7-11 summarizes the validated analytical results for organic and inorganic analytes detected in groundwater samples collected at SWMU 28. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Table 7-12. Bench mark comparison values consist of background screening values computed from station wide background groundwater samples (ABB-ES, 1995b), USEPA Region III RBCs (USEPA, 1995), and Florida groundwater guidance values (FDEP, 1994).

Each of the bench mark criteria provided in Table 7-12 are human health based and represent the lower of either a noncarcinogenic HI of 1 or a lifetime excess cancer risk of 10^{-6}. Bench mark values for a noncarcinogenic HI of 1 or less represent a concentration where noncarcinogenic effects are not likely. A bench mark value for a lifetime excess cancer risk of 10^{-6} represents a chance of 1 in 1,000,000 for an adverse carcinogenic effect for a continuous lifetime exposure.

The water quality parameters for the SWMU 28 groundwater monitoring wells were compared to the State of Florida secondary water quality criteria (Table 7-10). Values determined for color met or exceeded the State of Florida secondary water quality criteria for six of the groundwater samples. Values determined for Hardness as $CaCo_3$ suggest that the groundwater would be considered very hard (greater than 180 mg/ℓ for the groundwater sample collected from the monitoring wells [Durfor and Becker, 1964]). The values determined for total dissolved solids suggest that the groundwater would be considered fresh. The range for classifying water as fresh is 0 to 1,000 mg/ℓ (Freeze and Cherry, 1979).

Target analytes detected in monitoring well MPT-8-MW05S, which is hydraulically upgradient from SWMU 28, consist of one SVOC 3- and 4-methylphenol (2) and nine inorganics (arsenic, barium, calcium, chromium, iron, magnesium, manganese, vanadium, and zinc). VOCs, pesticides, and PCBs were not detected in the groundwater samples collected from monitoring well MPT-8-MW05S.

Target analytes detected in the monitoring wells and piezometers hydraulically downgradient from SWMU 28 consisted of 1 VOC (methylene chloride), 1 SVOC (bis(2-ethylhexyl)phthalate), and 15 inorganics (arsenic, barium, calcium, cadmium, chromium, iron, magnesium, manganese, nickel, sodium, tin, thallium, vanadium, zinc, and cyanide).

Groundwater samples collected for inorganic analysis from MPT-8f-MW01S on July 11, 1994, consisted of an unfiltered (08MW001S) and filtered (45 micron) sample (08MW001SF). The filtered sample contained lower concentrations of arsenic, calcium, iron, magnesium, manganese, and magnesium, and similar concentrations for sodium and thallium. The filtered sample did not contain barium. The difference in the two samples may be due to the removal of colloidal size material in the filtered sample. The filtered sample is a reference sample to assess the low flow sampling methodology, which appears to effectively obtain a groundwater sample that is representative of the aquifer.

7.4 PRELIMINARY RISK EVALUATION. The following presents a preliminary risk evaluation of the target analytes detected in surface and subsurface soil samples. The preliminary risk evaluation assesses the detected concentrations in the environmental samples against background screening and bench mark values. The evaluation includes surface soil samples collected at Sections 1, 2, and 3 and the

Table 7-10
Water Quality Parameters for SWMU 28 Groundwater Samples

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:		23921	M7505	23887	M7505	R8405	
Sample Matrix:		Groundwater	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Location:		MPT-8-MW01S	MPT-8-MW01S	MPT-8-MW05S	MPT-8-MW05S	MPT-28-MW01S	Secondary [1] Water Quality Criteria
Sample No.:		8MW1	08MW001S	8MW5S	08MW005S	28MW001S	
Date Sampled:		01-FEB-94	11-JUL-94	1-27-93	26-JUL-94	11-JULY-94	
Common Name	Units	Conc.	Conc.	Conc.	Conc.	Conc.	Conc.
Alkalinity as $CaCO_3$	mg/ℓ	163	150	250	242	332	--
Ammonia-N	mg/ℓ	0.2	0.7	--	1.3	--	--
Chloride	mg/ℓ	14.9	5.6	8.5	31.7	17.1	250,000
Color	APHA	15	70	15	30	50	15
Hardness as $CaCO_3$	mg/ℓ	220	180	288	262	251	--
Nitrate/Nitrite-N	mg/ℓ	NA	NA	NA	NA	0.26	10,000
Oil and Grease	mg/ℓ	324	0.1	1.5	NA	--	--
Phosphorous-P, Total	mg/ℓ	0.75	1.0 8	0.24	0.81	1.6	--
Sulfate	mg/ℓ	25.5	33.2	45.2	36.4	71.4	250,000
Sulfide	mg/ℓ	0.5	--	--	6.0	--	--
Total Dissolved Solids	mg/ℓ	324	422	388	417	442	500
Total Kjeldahl Nitrogen	mg/ℓ	0.8	1.3	0.6	3.4	8.3	--
Total Organic Carbon	mg/ℓ	4.1	4.6	4.7	5.2	5.3	--
pH	SU	7.6	7.6	7.5	7.4	7.3	6.5 to 8.5

See notes at end of table.

Table 7-10 Continued)
Water Quality Parameters for SWMU 28 Groundwater Samples

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch:		R8609	R8609	
Sample Matrix:		Groundwater	Groundwater	Groundwater
Sample Location:		MPT-10-P01	MPT-15-P01	Secondary [1] Water Quality Criteria
Sample No.:		10OP001	15OP001	
Date Sampled:		24-AUG-94	24-AUG-94	
Common Name	Units	Conc.	Conc.	Conc.
Alkalinity as $CaCO_3$	mg/ℓ	207	291	--
Ammonia nitrogen	mg/ℓ	--	0.8	--
Chloride	mg/ℓ	9.1	43.7	250,000
Color	APHA	20	5.0	15
Hardness as $CaCO_3$	mg/ℓ	252	326	--
Nitrate = nitrite nitrogen	mg/ℓ	0.26	--	10,000
Oil and grease	mg/ℓ	NA	NA	--
Phosphorous P, total	mg/ℓ	0.63	0.45	--
Sulfate	mg/ℓ	48	62.9	250,000
Sulfide	mg/ℓ	1.4	--	--
Total dissolved solids	mg/ℓ	349	503	500
Total Kjeldahl nitrogen	mg/ℓ	1.7	1.2	--
Total organic carbon	mg/ℓ	36.1	8.2	--
pH	SU	7.4	7.1	6.5 to 8.5

[1] Secondary Water Quality Criteria Chapter 17-550.320, Florida Administrative Code (FAC).

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
SWMU = solid waste management unit.
Conc. = concentration.
$CaCO_3$ = calcium carbonate.
mg/ℓ = milligrams per liter.
-- = analyte not detected.
APHA = American Public Health Association.
NA = not analyzed.
SU = standard units.

Table 7-11
Organic and Inorganic Analytes Detected in Groundwater Samples At SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Laboratory Batch No.:	23918	M7504	M7504	23886	R8403
Matrix	Groundwater	Groundwater	Groundwater	Groundwater	Groundwater
Sample Location:	MPT-8-MW01S	MPT-8-MW01S	MPT-8-MW01S	MPT-8-MW05	MPT-8-MW05
Sample No.:	8MW1	08MW001S	08MW001SF	MPT8MW5S	08MW005S
Sample Date	2-FEB-93	11-JUL-94	11-JUL-94	27-JAN-93	26-JUL-94
VOCs (8240) (µg/ℓ)					
Methylene chloride	5 J	--	--	--	--
SVOCs (8270) (µg/ℓ)					
bis(2-Ethylhexyl)phthalate	5 J	--	--	--	--
3- & 4-Methylphenol (2)	--	--	--	--	29
Inorganics (µg/ℓ)					
Arsenic	3.2 J	1.1 J	.95 J	2.9 J	--
Barium	9.7 J	3.9 J	--	6.5 J	--
Calcium	--	57,900	58,800	89,500	84,500 J
Cadmium	3.0 J	--	--	--	--
Chromium	4.5 J	--	--	6.6 J	--
Iron	--	710 J	450	2,760 J	--
Magnesium	--	6,180	5,730	15,400	--
Manganese	--	43.6 J	39.3 J	39.9	--
Nickel	--	--	--	--	--
Sodium	--	4,980 J	4,940 J	--	--
Tin	13.2 J	--	--	--	--
Thallium	--	1.5 J	1.5 J	--	--
Vanadium	6.3 J	--	--	7.2 J	--
Zinc	31	--	--	23.9 J	--
Cyanide	--	--	--	--	--

See notes at end of table.

Table 7-11 (Continued)
Organic and Inorganic Analytes Detected in Groundwater Samples At SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Laboratory Batch No.:	M7505	R8609	R8607
Matrix	Groundwater	Groundwater	Groundwater
Sample Location:	MPT-28-MW01S	MPT-10-PO1	MPT-15-P01
Sample No.:	28MW001S	10OP001	15OP001
Sample Date	11-JUL-94	24-AUG-94	24-AUG-94
VOCs (8240) (μg/ℓ)			
Methylene chloride	--	--	--
SVOCs (8270) (μg/ℓ)			
bis(2-Ethylhexyl)phthalate	--	--	--
3- & 4-Methylphenol (2)	--	--	--
Inorganics (μg/ℓ)			
Arsenic	4.3 J	1.4 J	1.0 J
Barium	7.0 J	4.7 J	3.1 J
Calcium	97,700	77,900	129,000
Cadmium	--	--	--
Chromium	--	--	--
Iron	173 J	46.7 J	130
Magnesium	10,800	11,400	4,800 J
Manganese	42.9 J	4.5 J	33.4
Nickel	7.6 J	--	-
Sodium	12,400	8,190	30,800
Tin	--	--	--
Thallium	--	--	--
Vanadium	4.8	4.4 J	1.9 J
Zinc	--	3.6 J	5.4 J
Cyanide	--	3.6 J	3.0 J

Notes: SWMU = solid waste management unit.
VOCs = volatile organic compounds.
μg/ℓ = micrograms per liter.
"J" = estimated value.
-- = analyte not detected.
SVOCs = semivolatile organic compounds.

Table 7-12
Chemicals of Potential Concern in Groundwater at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Concentration[4]	Risk Based Screening Concentration[5]	Florida Guidance Concentration[6]	Analyte CPC? (Yes/No)	Reason[7]
Volatiles (µg/ℓ)									
No Analytes Detected									
Semivolatiles (µg/ℓ)									
No Analytes Detected									
Pesticides/PCBs (µg/ℓ)									
No Analytes Detected									
Inorganics (µg/ℓ)									
Arsenic	4/4	0.6 to 10	1 to 4.3	2	11.4	[8]0.038	50	No	B
Barium	4/4	0.4 to 200	3.1 to 7	4.7	10.2	260	2,000	No	B
Calcium	4/4	41.7 to 5,000	57,900 to 129,000	90,625	170,450	1,055,398	NA	No	B
Iron	4/4	9.1 to 100	46.7 to 710	265	2,076	13,267	300	No	B
Magnesium	4/4	31.4 to 5,000	4,800 to 11,400	8,295	21,234	118,807	NA	No	B
Manganese	4/4	0.6 to 15	4.5 to 43.6	31.1	185.8	18	50	No	B
Nickel	1/4	5.9 to 40	7.6	7.6	ND	73	100	No	S, G
Sodium	4/4	14.4 to 5,000	4,980 to 30,800	14,237	18,624	396,022	160,000	No	S, G
Thallium	1/4	0.6 to 10	1.5	1.5	ND	[9]0.29	2	Yes	
Vanadium	3/4	1.5 to 50	1.9 to 4.8	3.7	10.6	26	49	No	B
Zinc	2/4	1 to 20	3.6 to 5.4	4.5	50	1,100	5000	No	B
Cyanide	2/4	2.7 to 10	3 to 3.6	3.3	1.9	73	200	No	S, G

See notes on next page.

Table 7-12 (Continued)
Chemicals of Potential Concern in Groundwater at SWMU 28

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Concentration[4]	Risk Based Screening Concentration[5]	Florida Guidance Concentration[6]	Analyte CPC? (Yes/No)	Reason[7]

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U," or "UJ" qualifier) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for tap water per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from RBC Table dated February 1995, and are based on a cancer risk of 10^{-6} or an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Florida Department of Environmental Protection Groundwater Guidance Concentrations (June 1994).
[7] Analytes were included or excluded from the risk assessment for the following reasons:
S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
C = the analyte is a member of a chemical class that contains other human health chemicals of potential concern (HHCPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
M = the analyte was detected at less than 5 percent and is a HHCPC in more than one media.
P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.
[8] The value is based on arsenic as a carcinogen.
[9] The values is based on thallium as thallium sulfate.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include: 08MW001S, 100P001, and 150P001.

Background sample locations include: 01MW001, 08MW005S, 08MW001S, 0SMW001R, 8MW5S, MPT-1-MW1-1, MPT-S-1-1, and S1.

CPCs = chemicals of potential concern.
$\mu g/\ell$ = micrograms per liter.
PCBs = polychlorinated biphenyls.
NA = not available.
ND = not detected in any background samples.

recycling center at SWMU 28; subsurface soil collected at Sections 1, 2, and 3; and groundwater samples collected from monitoring wells and piezometers located hydraulically downgradient from SWMU 28.

Surface Soil. Chemicals of potential concern consist of one SVOC (4-chloro-3-methylphenol and two inorganics (arsenic and beryllium). VOCs were not determined to be chemicals of potential concern, and pesticides and PCBs were not detected in the surface soil samples collected at SWMU 28.

Section 1 surface soil samples did not contain detectable concentrations of the SVOCs 4-chloro-3-methylphenol and benzo(g,h,i)perylene. Arsenic was detected in nine samples and a duplicate and beryllium was detected in eight surface soil samples and a duplicate at Section 1.

Arsenic was not detected in background surface soil samples. The concentrations of arsenic detected in the Section 1 surface soil samples exceeded the USEPA Region III RBC (0.37 mg/kg), the proposed Superfund SSL (0.4 mg/kg), and the FDEP cleanup goal (0.7 mg/kg).

The concentrations of beryllium detected in the Section 1 surface soil samples exceeded the background screening value (0.16 mg/kg) in one sample. The USEPA Region III RBC (0.15 mg/kg) was exceeded in one sample and the proposed Superfund SSL and Florida cleanup goal of 0.1 mg/kg was exceeded in three samples.

Section 2 surface soil samples did not contain detectable concentrations of the SVOC 4-chloro-3-methylphenol. Arsenic was detected in nine samples and a duplicate and beryllium was detected in eight surface soil samples and a duplicate at Section 2.

The concentrations of arsenic detected in the Section 2 surface soil samples exceeded the USEPA Region III RBC, the proposed Superfund SSL, and the FDEP cleanup goal. The concentrations of beryllium detected in the Section 2 surface soil samples did not exceed the background screening value. The USEPA Region III RBC was not exceeded and the proposed superfund SSL and Florida cleanup goal was exceeded in three samples.

Section 3 surface soil samples contained 4-chloro-3-methylphenol in 1 of 15 samples at a concentration of 55 mg/kg. Arsenic was detected in 15 samples and 2 duplicates and beryllium was detected in 11 surface soil samples and 2 duplicate surface soil samples.

4-Chloro-3-methylphenol was determined to be a chemical of potential concern because there are no bench mark values to assess this organic compound.

The concentrations of arsenic detected in the Section 3 surface soil samples exceeded the USEPA Region III RBC, the proposed Superfund SSL and Florida cleanup goal. The FDEP cleanup goal was exceeded in eight surface soil samples.

The concentrations of beryllium detected in the Section 3 surface soil samples exceeded the background screening value in three surface soil samples. The USEPA Region III RBC was exceeded in 3 surface soil samples and the proposed superfund SSL and Florida cleanup goal was exceeded in 13 samples.

Surface soil samples collected at the recycling center part of SWMU 28 did not contain detectable concentrations of the SVOC 4-chloro-3-methylphenol. Arsenic and beryllium were detected in both of the surface soil samples collected at this location. The concentrations of arsenic exceeded the USEPA Region III RBC, the proposed Superfund SSL, and the FDEP cleanup goal. The concentrations of beryllium exceeded the background screening value, the USEPA Region III RBC, the proposed Superfund SSL and the Florida cleanup goal.

Subsurface Soil. The subsurface soil samples did not contain VOCs at concentrations that exceeded bench mark values. Pesticides and PCBS were not detected in the subsurface soil samples. Organic target analytes that exceeded bench mark values were five SVOCs (benzo(a)anthracene, benzo(b)perylene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene). Inorganic target analytes that exceeded background screening values and bench mark values were arsenic and beryllium.

The subsurface soil samples collected in Section 1 of SWMU 28 did not contain detectable concentrations of the SVOCs. Arsenic was detected in both of the Section 1 subsurface soil samples and beryllium was detected in only one of the samples.

Only one of the samples contained arsenic at a concentration (8.3 mg/kg) that exceeded the background screening value (0.9 mg/kg). Both of the subsurface soil samples collected at Section 1 contained arsenic at concentrations that exceeded the USEPA Region III RBC (0.37 mg/kg) and the proposed Superfund SSL (0.37 mg/kg). One subsurface soil sample contained arsenic at a concentration that exceeded the FDEP cleanup goal (3 mg/kg) for an industrial worker.

The concentration of beryllium detected in the Section 1 subsurface soil sample (1.3 mg/kg) exceeded the background screening value (0.14 mg/kg), the USEPA Region III RBC (0.15 mg/kg), and the proposed Superfund SSL and the Florida cleanup goal 0.1 mg/kg.

The subsurface soil samples collected in Section 2 of SWMU 28 did not contain detectable concentrations of the SVOC. Arsenic and beryllium were detected in both of the Section 2 subsurface soil samples.

Arsenic was detected in one of the subsurface soil samples at a concentration (1.9 mg/kg) that exceeded the background screening value. Both of the section 2 subsurface soil samples contained arsenic at concentrations that exceeded the USEPA Region III RBC and the proposed Superfund SSL, but not the FDEP cleanup goal for an industrial worker.

Beryllium was detected in one of the subsurface soil samples at a concentration (1.9 mg/kg) that exceeded the background screening value. One of the samples contained beryllium at a concentration that equaled the USEPA Region III RBC and both of the section 2 subsurface samples contained beryllium at concentrations that exceeded the proposed Superfund SSL.

One of the subsurface soil samples from Section 3 contained the SVOC dibenz(a,h)anthracene at a concentration (180 μg/kg) that exceeded the USEPA Region III RBC (88 μg/kg) and the proposed Superfund SSL (90 μg/kg). Because PAH compounds like dibenz(a,h)anthracene may have additive adverse carcinogenic effects, the other PAH compounds (benzo(a)anthracene, benzo(b)perylene, chrysene,

and indeno(1,2,3-cd)pyrene) were also indicated to exceed the bench mark values. However, none of the PAH compounds were detected at concentrations that exceed the FDEP cleanup goals.

Arsenic was detected in one of the subsurface soil samples at a concentration (4 mg/kg) that exceeded the background screening value. One subsurface soil sample and the corresponding duplicate to the other subsurface soil sample contained arsenic at concentrations that exceeded the USEPA Region III RBC and the proposed Superfund SSL. One of the samples contained arsenic at concentrations that exceeded the FDEP cleanup goal for an industrial worker.

Beryllium was detected as a single occurrence in the Section 3 subsurface soil samples at a concentration (0.28 mg/kg) that exceeded the background screening value, the USEPA Region III RBC, and the proposed Superfund SSL and the Florida cleanup goal.

Groundwater. Four of the groundwater samples collected in 1994 from monitoring wells MPT-8-MW01S and MPT-28-MW01S, and piezometers MPT-10-P01 and MPT-15-P01 were used to assess CPCs for SWMU 28 groundwater samples. Monitoring well MPT-8-MW05S was excluded because it is hydraulically upgradient from SWMU 28. Data collected in 1992 from monitoring well MPT-8-MW01S was excluded because the sampling method produced a turbid sample that was not as representative of the groundwater produced from the well as data collected in 1994 using low flow sampling methodology. The difference between the samples is illustrated by the detection of different analytes, with the exceptions of arsenic and barium, in the samples from 1993 and 1994.

Only one target analyte, thallium, was determined to be a chemical of potential concern. Thallium was detected as a single occurrence in the groundwater sample from monitoring well MPT-8-MW01 at a concentration of 1.5 $\mu g/\ell$. It should be noted that the filtered sample contained thallium at the same concentration. Thallium was not detected in the background groundwater samples. The concentration of thallium exceeded the USEPA Region III RBC (0.29 $\mu g/\ell$), but not the FDEP guidance concentration (2 $\mu g/\ell$). The FDEP guidance concentration is a promulgated standard.

7.5 CONCLUSIONS AND RECOMMENDATIONS.

7.5.1 Conclusions

Surface Soil Samples. 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 bench mark values. Pesticides and PCBs were not detected in the surface soil samples. One SVOC (4-chloro-3-methylphenol) and two inorganics (arsenic and beryllium) were determined to be chemicals of potential concern.

The SVOC 4-chloro-3-methylphenol was determined to be a chemical of potential concern because, currently, there is not a bench mark criteria for this compound.

The inorganic analytes, arsenic and beryllium, exceeded both background screening and bench mark values. Arsenic is considered to exceed background screening

values because it was not detected in surface soil background samples. Concentrations of arsenic exceeded the USEPA Region III RBC (0.37 mg/kg), the proposed Superfund SSL (0.4 mg/kg), and the FDEP cleanup goal (0.7).

Beryllium was detected at concentrations that exceeded the background screening value (0.16 mg/kg), the USEPA Region III RBC (0.15 mg/kg), and the proposed Superfund SSL and Florida cleanup goal of 0.1 mg/kg.

Arsenic and beryllium were detected in surface soil samples at concentrations that exceeded bench mark values, which are based on values for a lifetime excess cancer risk of 10^{-6}. However, the potential risk associated with concentrations of arsenic and beryllium that were detected is within a range (10^{-4} to 10^{-6}) that is considered by USEPA to be protective of human health (40 CFR 300, 1990) (see Table C-1, Appendix C).

Subsurface Soil Samples. 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 bench mark values. Pesticides and PCBs were not detected in the surface soil samples. Five SVOCs (benzo(a)anthracene, benzo(b)perylene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene) and two inorganics (arsenic and beryllium) were determined to be chemicals of potential concern.

One of the subsurface soil samples from Section 3 contained the SVOC dibenz(a,h)anthracene at a concentration (180 μg/kg) that exceeded the USEPA Region III RBC (88 μg/kg) and the proposed Superfund SSL (90 μg/kg). Because PAH compounds like dibenz(a,h)anthracene may have additive adverse carcinogenic effects, the other PAH compounds (benzo(a)anthracene, benzo(b)perylene, chrysene, and indeno(1,2,3-cd)pyrene) were also indicated to exceed the bench mark values. However, none of the PAH compounds were detected at concentrations that exceed the FDEP cleanup goals.

Arsenic and beryllium were detected in subsurface soil samples at concentrations that exceeded bench mark values, which are based on values for a lifetime excess cancer risk of 10^{-6}. However, the potential risk associated with concentrations of arsenic and beryllium that were detected is within a range (10^{-4} to 10^{-6}) that is considered by USEPA to be protective of human health (40 CFR Part 300) (see Table C-7, Appendix C).

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. Only one target analyte, thallium, was determined to be a chemical of potential concern. Thallium was detected as a single occurrence and exceeded the USEPA Region III RBC (0.29 μg/ℓ), but not the FDEP guidance concentration (2 μg/ℓ) (see Table C-8, Appendix C). The FDEP guidance concentration is a promulgated standard. Also, thallium was not detected in surface or subsurface soil samples, therefore, SWMU 28 is not likely the source for this analyte in groundwater.

7.5.2 Recommendations SWMU 28 is recommended for no further investigation at this time based on the following rationale.

- No pesticides or PCBs were detected in surface or subsurface soil samples.

- 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 bench mark values.

- 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 bench mark values.

- None of the PAH compounds were detected at concentrations that exceed the FDEP cleanup goals.

- Arsenic and beryllium were detected in surface and subsurface soil samples at concentrations that exceeded bench mark values, which are based on values for a lifetime excess cancer risk of 10^{-6}. However, the potential risk associated with concentrations of arsenic and beryllium that were detected is within a range (10^{-4} to 10^{-6}) that is considered by USEPA to be protective of human health (40 CFR Part 300).

- Thallium was detected as a single occurrence and exceeded the USEPA Region III RBC, but not the FDEP guidance concentration, which is a promulgated standard. Thallium was not detected in the surface or subsurface soil samples at SWMU 28. SWMU 28 is not likely the source of the thallium detected in the groundwater samples.

- The only extenuating factor is the SVOC 4-chloro-3-methylphenol, which was detected as a single occurrence in a surface soil sample and was determined to be a chemical of potential concern. Currently there are no bench mark criteria to evaluate this compound. Because this analyte was detected in 1 of 35 samples (approximately 2.8 percent) and was not detected in subsurface or groundwater samples, USEPA guidance allows 4-chloro-3-methylphenol not to be considered a chemical of potential concern. (USEPA, 1989b).

- The default assumptions used in estimating risk based bench mark concentrations may not be representative and likely overstate the specific exposure present at the site (i.e., underestimate the concentration that would result in a lifetime excess cancer risk of 10^{-6}). Because the chemicals were detected in only one or two media (i.e., soil and or groundwater) all of the exposure pathways and assumptions used to estimate the bench mark concentrations are not relevant. Therefore, the concentrations may exceed the bench mark values (USEPA, 1994, USEPA, 1995, and FDEP, 1995) but actually result in a lower excess cancer risk than 10^{-6}.

8.0 SWMU 48, FORMER CHEMISTRY LABORATORY ACCUMULATION AREA

8.1 SITE DESCRIPTION AND BACKGROUND. SWMU 48 was identified from photographs obtained from FDEP, formerly the Florida Department of Environmental Regulation (FDER), files (FDER, 1981) during preparation of the RFA (A.T. Kearney, 1989). The photographs showed numerous plastic and steel containers labeled "mercury waste" stored outside in a grassy field near a fence, ten 55-gallon drums, and approximately 50 smaller plastic containers. Visible in one of the photographs was a half-buried storage tank (believed to be Tank 1432, SWMU 51-S), with an underground, above-grade tank behind it, and a road and fence in front.

It is believed that SWMU 48 is located behind (northwest) the current Chemistry Laboratory at the OWTP (Building 1346, formerly Building 1442), approximately 400 feet from the St. Johns River (Figure 8-1). This agrees with the captions on the photographs, which read "Waste Behind Chemistry Lab" and "Mercury Waste." At the time of the VSI, no drums or containers were observed in the area. The area was not specifically identified during the IAS (ESE, 1986) nor had it been examined for evidence of releases to the environment.

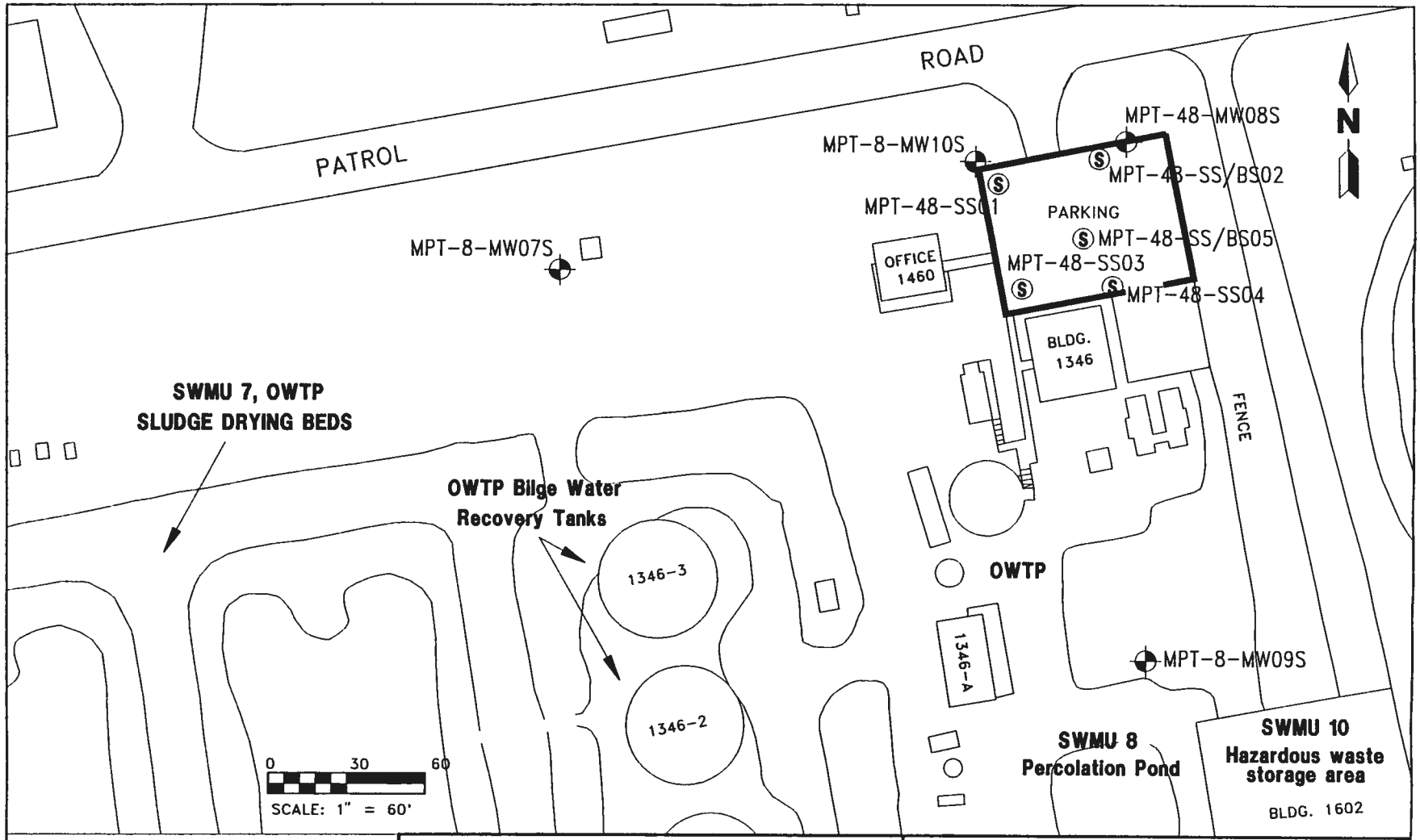
The RFA recommended that the location and areal extent in which these wastes were stored be verified. The RFA also recommended that soil and groundwater samples be collected and analyzed to confirm the presence or absence of any releases of hazardous constituents to the environment. Based on previous site activities, it was recommended that the soil and groundwater samples be analyzed for mercury, other heavy metals, and select volatile and semivolatile organic compounds.

8.2 RFA SV FIELD INVESTIGATIONS. RFA SV field investigations at SWMU 48 included collection of surface soil, subsurface soil, and groundwater samples. Soil sampling was conducted on August 8, 1994. Groundwater sampling occurred between June and August 1994. Soil and groundwater sampling was conducted to assess the potential release of hazardous constituents at the site and to obtain sufficient surface soil, subsurface soil, and groundwater samples to evaluate potential exposure pathways and conduct a preliminary risk screening.

Five surface soil samples and two subsurface soil samples were collected at SWMU 48 (Figure 8-1). The surface soil samples were collected from 0 to 1 foot bls and the subsurface soil samples were collected at 4 to 5 feet bls.

Groundwater samples were collected from two existing monitoring wells (MPT-8-MW07S and MPT-8-MW08S) and two newly installed monitoring wells (MPT-8-MW09S and MPT-8-MW10S) (Figure 8-1). Monitoring wells MPT-8-MW07S and MPT-8-MW08S were sampled previously in 1993. Monitoring well MPT-8-MW07S was not sampled in 1994 due to the presence of floating free-phase hydrocarbons. The floating free-phase hydrocarbons in monitoring well MPT-8-MW07S are believed to be related to a release from SWMUs 6 and 7 (Figure 8-1).

Because many field activities are common to all NAVSTA Mayport SWMUs, the sampling procedures for RFI and RFA SV (confirmatory sampling) events are described in Section 2.1, Summary of Exploration and Sampling Program, of the NAVSTA Mayport GIR (ABB-ES, 1995b). Site-specific elements and deviations from sampling procedures, if any, particular to SWMU 48 are discussed in subsequent paragraphs, and standard operating procedures are referenced where necessary. Monitoring well installation, soil and groundwater sampling procedures,



LEGEND

- 1994 RFA monitoring well location
- RFA soil sample location
- Approximate SWMU location
- OWTP Oily waste treatment plant

H:\9500\000300\MJ-GLC-NAB\7-17-95

FIGURE 8-1
1994 SOIL AND GROUNDWATER SAMPLING LOCATIONS
SWMU 48, FORMER CHEMISTRY LABORATORY ACCUMULATION AREA

RCRA FACILITY ASSESSMENT REPORT, GROUP I AND II SWMUs

U.S. NAVAL STATION MAYPORT, FLORIDA

and associated equipment decontamination procedures were conducted in general conformance with USEPA Region IV standard operating procedures (USEPA, 1991a).

Soil Sample Collection Procedure. Surface and subsurface soil sampling was accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991), and Subsection 2.1.1, Soil Sampling, of the GIR (ABB-ES, 1995b).

Monitoring Well Installation Procedure. Drilling and well installation were accomplished as described in the NAVSTA Mayport RFI workplan (ABB-ES, 1991), and Subsection 2.1.1, Monitoring Well and Piezometer Installation, of the GIR (ABB-ES, 1995b).

Groundwater Sample Collection Procedure. Groundwater sampling was accomplished as described in Subsection 2.1.4, Groundwater Sampling, of the GIR (ABB-ES, 1995b).

Laboratory Analyses. Soil and groundwater samples were analyzed for the same target analytes including VOCs, SVOCs, pesticides, PCBs, metals, and cyanide selected from the groundwater monitoring list contained in Appendix IX, 40 CFR 264 and USEPA Contract Laboratory Program target compound list and target analyte list. Environmental samples were analyzed using methods from Test Methods for Evaluating Solid Waste, Physical/Chemical Methods (SW 846) (USEPA, 1986). A list of the target analytes is provided in Appendix A and complete analytical results are provided in Appendix B.

8.3 FINDINGS. The following presents a brief description of the results of the RFA SV sampling activities at SWMU 48. The results include site geologic and hydrogeologic conditions and results of the analyses of surface and subsurface soil samples and groundwater samples.

Site Geology. Subsurface soil samples were collected to determine the lithology of sediments beneath SWMU 48. During the installation of monitoring wells MPT-8-MW07S, MPT-8-MW08S, MPT-8-MW09S, and MPT-8-MW10S (Figure 8-1) soil samples were collected at discrete 2-foot intervals down to the explored depth of 15.5 feet (Figure 8-1). Soil samples for lithologic information were not submitted for laboratory analyses because these wells were installed outside the SWMU boundary. The shallow monitoring wells were installed with the screens placed across the water table (Table 8-1).

Boring logs for monitoring wells are found in the GIR Appendix A, Boring Logs (ABB-ES, 1995b). The following is a description of the subsurface soils encountered at the boring locations.

- Boring MPT-8-MW07S (located approximately 160 feet west of SWMU 48) encountered a dark brown sand with shells from the land surface to a depth of 2 feet bls overlying a fine-grained sand with shells to the explored depth of 15.5 feet bls.

- Boring MPT-8-MW08S (located at the northeast corner of SWMU 48) encountered a dark brown sand to 2 foot bls beneath a surficial asphalt layer, which was overlying fine-grained sands to the explored depth of 15.5 feet bls. A thin seam of silty sand also was encountered from 7 to 8 feet bls.

Table 8-1
Monitoring Well Installations Near SWMU 48

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

SWMU Number	Monitoring Well No.	Diameter (inches)	Total Depth (feet)	Screened Interval (feet bls)
8	MPT-8-MW07S	2	15	5 to 15
8	MPT-8-MW08S	2	15	5 to 15
8	MPT-8-MW09S	2	15	5 to 15
8	MPT-8-MW18S	2	15	5 to 15

Notes: SWMU = solid waste management unit.
bls = below land surface.

- Boring MPT-8-MW09S (located approximately 150 feet south of SWMU 48) encountered surficial seams of sands with medium-sized gravel and silty clay to 1 foot bls overlying silty fine- to medium-grained sands with shells to the explored depth of 15.5 feet bls.

- Boring MPT-8-MW10S (located at the northwest corner of SWMU 48) encountered a silty fine- to medium-grained sand with shells from the land surface to the explored depth of 15.5 feet bls.

Geologic cross sections provided in the NAVSTA Mayport GIR (see Figures 3-5 and 3-6, ABB-ES, 1995b) depict subsurface geologic conditions in the vicinity of SWMU 48.

Site Hydrogeology. The groundwater levels at each monitoring well in the vicinity of SWMU 48 and for other RFI and RFA SV sites at NAVSTA Mayport were measured within a 7-hour period on August 30, 1994. The depth to the groundwater at each location was measured relative to a notch or mark on the north side of each well surveyed to the NGVD of 1929 (commonly referred to as msl). The depths to groundwater measured at each of the SWMU 48 monitoring wells are provided in Appendix G, along with other monitoring wells in the vicinity of the site. Also shown on the table are values for the water level measurements relative to the NGVD datum. The elevation data were used to prepare a map of the potentiometric surface (lines that represent altitudes of equal height above the reference datum) of the water table zone of the surficial aquifer. The potentiometric surface map of the water table is used to infer that groundwater flow is from higher to lower altitudes in a direction perpendicular to the equipotential lines. Based on the equipotential lines shown on Figure 7-2, the groundwater flow direction at SWMU 48 is generally toward the north, toward the St. Johns River.

The hydraulic position of the monitoring wells relative to SWMU 48 also is based on the equipotential lines shown on Figure 7-2. Monitoring well MPT-8-MW09S is located hydraulically upgradient from SWMU 48. Monitoring wells MPT-8-MW08S and MPT-8-MW10S are located on a hydraulic downgradient side of SWMU 48. Monitoring well MPT-8-MW07S is along a similar hydraulic equal potential line as the

northern part of SWMU 48. Therefore, monitoring well MPT-8-MW07S is not in the flow path of groundwater beneath SWMU 48.

An approximation of the horizontal linear velocity of groundwater flow in the water table zone of the surficial aquifer in the vicinity of SWMU 48 is based on the potentiometric surface (hydraulic gradient) of the water table, estimates of radial hydraulic conductivities at monitoring well locations, and an estimate of the porosity (ratio of the volume of voids to total volume of the soil) of the saturated subsurface soil. The horizontal linear velocity was calculated from a modified form of Darcy's equation and represents the ratio of linear travel distance to travel time between two points (Freeze and Cherry, 1979). The horizontal linear velocity is expressed as V_D/N_e, where V_D is the Darcy velocity ($V_D = KI$, where K is radial hydraulic conductivity and I is hydraulic gradient) and N_e is the effective porosity of the saturated geologic stratum. An effective porosity of 0.35 is used in calculations. (See Section 3.2.3, Physical Characteristics of Soil, in the NAVSTA Mayport GIR, ABB-ES, 1995b).

In-situ radial hydraulic conductivity values for monitoring wells in the vicinity of SWMU 48 are presented in Table 8-2. The range of *in-situ* radial hydraulic conductivity values in the vicinity of SWMU 48 are approximately 1 foot per day (MPT-8-MW08S) to 2.1 feet per day (MPT-8-MW07S). The hydraulic gradient appears to be relatively uniform over SWMU 48 (0.008 ft/ft on August 30, 1994) and an approximation of the horizontal linear velocity of the groundwater ranges from approximately 0.02 to 0.05 foot per day.

Based on the values for horizontal linear velocity and assuming no dilution, dispersion, or retardation, a contaminant in the water table zone of the surficial aquifer may travel at rates of 8 to 17 feet per year (Table 8-2).

Table 8-2
Average Groundwater Velocities at SWMU 48

Groups I and II RFA SV Report
U. S. Naval Station
Mayport, Florida

Location	Estimated Effective Porosity	Hydraulic Conductivity (feet per day)	Estimated Gradient[1] (feet per feet)	Estimated Linear Velocity (feet per day)	Estimated Linear Velocity (feet per year)
MPT-2-MW07S	0.35	2.1[2]	0.008	0.05	17
MPT-2-MW08S	0.35	1.0[2]	0.008	0.02	8

[1] Based on synoptic water table elevations, August 30, 1994.
[2] In-situ conductivity measurement at MPT-2-MW8S during December 1994.

Note: SWMU = solid waste management unit.

Surface and Subsurface Soil Analytical Results. Tables 8-3 and 8-4 summarize the validated analytical results for target analytes detected in surface and subsurface soil samples collected at SWMU 48. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Tables 8-5 and 8-6 for surface and subsurface soil samples, respectively. Bench mark comparison values consist of background screening values computed from station wide surface and subsurface soil samples (ABB-ES, 1995b), the USEPA soil screening guidance values (USEPA, 1994), USEPA Region III RBC (USEPA, 1995) and the State of Florida

cleanup goals (FDEP, 1995). The state of Florida cleanup goals consist of residential values for surface soils and industrial worker values for subsurface soil.

Each of the bench mark criteria provided in Tables 2-6 and 2-7 is human health based and represents the lower of either a noncarcinogenic HI of 1, where values of less than 1 represent a concentration where noncarcinogenic effects are not likely or a lifetime excess cancer risk of 10^{-6}, which represents a chance of 1 in 1,000,000 for an adverse carcinogenic effect for a continuous lifetime exposure. The concentrations listed for the USEPA Region III RBCs correspond to an HI of 0.1, whereas the USEPA Superfund SSLs and the State of Florida cleanup goals are based on an HI of 1. The NCP (40 CFR, Part 300) states that for carcinogens a lifetime excess cancer risk in the range of 10^{-4} (a chance of 1 in 10,000 for an adverse carcinogenic effect for a continuous lifetime exposure) to 10^{-6} represents concentrations that are considered by USEPA to be protective of human health.

Target analytes detected in the surface soil samples consist of 2 VOCs (carbon disulfide and xylenes), 7 SVOCs (fluoranthene, pyrene, benzo(a)anthracene, chrysene, di-n-octylphthalate, benzo(b)fluoranthene, and benzo(k)fluoranthene), and 14 inorganics (antimony, arsenic, barium, chromium, cobalt, copper, lead, mercury, nickel, thallium, tin, vanadium, zinc, and cyanide) (Table 8-3). Pesticides and PCBs were not detected in the surface soil samples.

Target analytes detected in the subsurface soil samples consisted of 10 inorganics (arsenic, barium, chromium, copper, lead, mercury, nickel, tin, vanadium, and zinc). No VOCs, SVOCs, pesticides, or PCBs were detected in the subsurface soil samples.

Groundwater Analytical Results. A summary of groundwater quality parameters is provided in Table 8-7 and Tables 8-8 and 8-9 summarize the validated analytical results for organic and inorganic target analytes detected in groundwater samples collected at SWMU 48. A summary of frequencies of detection, range of detection limits, range of detected concentrations, arithmetic mean, and bench mark comparison values are provided in Table 8-10. Bench mark comparison values consist of background screening values computed from station wide background groundwater samples (ABB-ES, 1995b), USEPA Region III RBCs (USEPA, 1995), and Florida Groundwater guidance values (FDEP, 1994).

Each of the bench mark criteria provided in Table 8-10 is human health based and represents the lower of either a noncarcinogenic HI of 1 or a lifetime excess cancer risk of 10^{-6}. Bench mark values for a noncarcinogenic HI of 1 represent a concentration where noncarcinogenic effects are not likely. A bench mark value for a lifetime excess cancer risk of 10^{-6} represents a chance of 1 in 1,000,000 for an adverse carcinogenic effect for a continuous lifetime exposure.

The water quality parameters for the SWMU 48 groundwater monitoring wells were compared to the State of Florida secondary water quality criteria (Table 8-7). Values determined for color exceeded the State of Florida secondary water quality criteria for two of the groundwater samples and equaled the criteria in one of the samples. These criteria are used to assess potable water from a water supply system and may not be directly applicable to a groundwater sample collected from a monitoring well. Values determined for hardness as $CaCo_3$ suggest that the groundwater would be considered very hard (greater than 180 mg/ℓ for the

Table 8-3
Organic and Inorganic Analytes Detected in Surface Soil Samples at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7705	M7705	M7705	M7705	M7705	M7705
Sample Location:	MPT-48-SS01	MPT-SS-SS02	MPT-48-SS03	MPT-48-SS04	MPT-48-SS04	MPT-48-SS05
Sample No.:	8SS00101	48SS00201	48SS00301	48SS00401	48SS00401Dup	48SS00501
Date Sampled	08-AUG-94	08-AUG-94	08-AUG-94	08-AUG-94	08-AUG-94	08-AUG-94
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
VOCs (8240) (µg/kg)						
Carbon disulfide	--	--	--	--	2 J	--
Xylenes (total)	--	2 J	2 J	8	9	1 J
SVOCs (8270) (µg/kg)						
Fluoranthene	--	--	--	--	32 J	--
Pyrene	--	--	--	--	32 J	--
Benzo(a)anthracene	--	--	--	--	26 J	--
Chrysene	--	--	--	--	30 J	--
Benzo(k)fluoranthene	--	--	--	--	18 J	--
Benzo(b)fluoranthene	--	--	--	--	21 J	--
Di-n-octylphthalate	--	22 J	--	--	--	--
Inorganics (mg/kg)						
Antimony	--	.78 J	--	--	--	--
Arsenic	.31 J	.23 J	.28 J	.48 J	.54 J	0.7 J
Barium	5 J	5.2 J	6.1 J	8.8 J	7.7 J	5.1 J
Chromium	2.4	2.8	3.1	5.2	4	3.0 J
Cobalt	--	--	--	.57 J	--	--
Copper	--	--	--	--	16.1 J	--
Lead	--	3.8 J	--	7.5 J	--	--

See notes at end of table.

Table 8-3 (Continued)
Organic and Inorganic Analytes Detected in Surface Soil Samples at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	M7705	M7705	M7705	M7705	M7705	M7705
Sample Location:	MPT-48-SS01	MPT-SS-SS02	MPT-48-SS03	MPT-48-SS04	MPT-48-SS04	MPT-48-SS05
Sample No.:	8SS00101	48SS00201	48SS00301	48SS00401	48SS00401Dup	48SS00501
Date Sampled	08-AUG-94	08-AUG-94	08-AUG-94	08-AUG-94	08-AUG-94	08-AUG-94
Sample Depth (ft bls):	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1	0 to 1
Mercury	--	--	--	--	--	0.8 J
Nickel	--	--	--	--	3.6 J	--
Thallium	--	.29 J	--	--	--	--
Tin	2.8 J	2.7 J	2.7 J	--	3 J	2.5 J
Vanadium	2.1 J	2.2 J	2.6 J	4.7 J	2.9 J	3.0 J
Zinc	--	--	7.1 J	8.1 J	14 J	--
Cyanide	--	.04 J	.04 J	--	--	--

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = duplicate of the environmental sample.

SWMU = solid waste management unit.
ft bls = sample collection depth in feet below land surface
VOCs = volatile organic compounds.
μg/kg = micrograms per kilogram.
-- = analyte not detected.
"J" = estimated value.
SVOCs = semivolatile organic compounds.
mg/kg = milligram per kilogram.

Table 8-4
Inorganic Analytes Detected in Subsurface Soil Samples at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch	M7705	M7705
Sample Location:	MPT-48-BS02	MPT-BS-BS05
Sample No.:	48BS00205	48BS00505
Date Sampled	08-AUG-94	08-AUG-94
Sample Depth (ft bls):	4 - 5	4 - 5
Inorganics (mg/kg)		
Arsenic	2.5 J	0.68 J
Barium	10.1 J	7.0 J
Chromium	6.8	3.7
Copper	0.95 J	15.6 J
Lead	4.0 J	3.5 J
Mercury	0.15 J	--
Nickel	2.0 J	2.3 J
Tin	3.0 J	2.6 J
Vanadium	6.4 J	2.0 J
Zinc		10 J

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = duplicate of the environmental sample.

SWMU = solid waste management unit.
ft bls = sample collection depth in feet below land surface.
mg/kg = milligram per kilogram.
"J" = estimated value.
-- = analyte not detected.

Table 8-5
Chemicals of Potential Concern in Surface Soil at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Volatiles (µg/kg)										
Carbon disulfide	1/5	5 to 5	2.25**	2.3	ND	780,000	7,800,000	2,600	No	S, P, G
Xylenes (total)	4/5	5 to 5	1 to 8.5*	3.4	NA	16,000,000	160,000,000	6,400,000	No	S, P, G
Semivolatiles (µg/kg)										
Benzo(a)anthracene	1/5	350 to 1,800	100.5*	101	ND	880	900	1,400	No	S, P, G
Benzo(b)fluoranthene	1/5	350 to 1,800	98*	98	ND	880	900	1,400	No	S, P, G
Chrysene	1/5	350 to 1,800	102.5*	103	ND	88,000	88,000	140,000	No	S, P, G
Di-n-octylphthalate	1/5	350 to 1,800	22	22	ND	160,000	1,600,000	1,500,000	No	S, P, G
Fluoranthene	1/5	350 to 1,800	103.5*	104	ND	310,000	3,100,000	2,800,000	No	S, P, G
Pyrene	1/5	350 to 1,800	103.5*	104	ND	230,000	2,300,000	2,200,000	No	S, P, G
Pesticides/PCBs (µg/kg)										
No analytes detected										
Inorganics (mg/kg)										
Antimony	1/5	1.04 to 1.06	0.78	0.78	ND	3.1	31	26	No	S, P, G
Arsenic	5/5	2.08 to 2.12	0.23 to 0.7	0.41	ND	[9]0.37	0.4	[9]0.7	Yes	
Barium	5/5	41.58 to 42.33	5 to 8.25*	5.9	5.6	550	5,500	5,000	No	S, P, G
Chromium	5/5	2.08 to 2.12	2.4 to 4.6*	3.2	2.6	[10]39	390	150	No	S, P, G
Cobalt	1/5	10.395 to 10.58	2.88*	2.9	ND	470	NA	4,700	No	S, G
Copper	1/5	5.195 to 5.29	9.35*	9.4	2.2	290	NA	2,900	No	S, G
Lead	2/5	0.62 to 0.63	3.8 to 3.905*	3.9	ND	[11]400	400	500	No	S, P, G
Mercury	1/5	0.04 to 0.04	0.08	0.08	ND	2.3	23	23	No	S, P, G
Nickel	1/5	8.315 to 8.47	3.88*	3.9	ND	160	1,600	1,500	No	S, P, G
Thallium	1/5	2.08 to 2.12	0.29	0.29	1.8	[12]0.63	NA	NA	No	B
Tin	5/5	10.395 to 10.58	2.5 to 4.1025*	3	ND	4,700	NA	44,000	No	S, G
Vanadium	5/5	10.395 to 10.58	2.1 to 3.8*	2.7	4	55	550	480	No	B
Zinc	2/5	4.155 to 4.23	7.1 to 11.05*	9.1	2.6	2,300	23,000	23,000	No	S, P, G
Cyanide	2/5	2.08 to 2.12	0.04	0.04	ND	160	1,600	1,600	No	S, P, G

See notes on next page.

Table 8-5 (Continued)
Chemicals of Potential Concern in Surface Soil at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Notes from previous pages.

1 Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
2 Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
3 The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).
4 The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
5 For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III RBC tables dated February 1995, and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
6 Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.
7 Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the aggregate resident based on a cancer risk of 10^{-6} and the child resident based on a hazard quotient of 1.
8 Analytes were included or excluded from the risk assessment for the following reasons:
   S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
   G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
   B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
   F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
   C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
   M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
   P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.
9 The value is based on arsenic as a carcinogen.
10 The value is based on chromium hexavalent form.
11 USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) sites.
12 The value is based on thallium as thallium sulfate.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include:
Background sample locations include: MPT-B-SS1; MPT-B-SS2; MPT-B-SS3; MPT-B-SS4; MPT-B-SS5; MPT-B-SS6
Duplicate background sample locations include: MPT-B-SS1DUP

SWMU = solid waste management unit.
CPC = chemicals of potential concern.
μg/kg = micrograms per kilograms.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilograms.

Table 8-6
Chemicals of Potential Concern in Subsurface Soil at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Value[4]	Risk Based Screening Concentration[5]	Superfund Proposed Soil Screening Levels[6]	Cleanup Goals for the Military Sites in Florida[7]	Analyte CPC? (Yes/No)	Reason[8]
Volatiles (µg/kg)										
No analytes detected										
Semivolatiles (µg/kg)										
No analytes detected										
Pesticides/PCBs (µg/kg)										
No analytes detected										
Inorganics (mg/kg)										
Arsenic	2/2	2.12 - 2.56	0.68 - 2.5	1.6	0.9	[9]0.37	0.4	3.	Yes	
Barium	2/2	42.46 - 51.15	7 - 10.1	8.6	7.2	550	5,500	74,000	No	S, P, G
Chromium	2/2	2.12 - 2.56	3.7 - 6.8	5.3	3.4	[10]39	390	[10]220	No	S, P, G
Cobalt	1/2	10.62 - 12.79	0.95	0.95	1.04	470	NA	110,000	No	B
Copper	1/2	5.31 - 6.39	15.6	15.6	3.6	290	NA	72,000	No	S, G
Lead	2/2	0.64 - 0.77	3.5 - 4	3.8	2.8	[11]400	400	1,000	No	S, P, G
Mercury	1/2	0.04 - 0.05	0.15	0.15	0.06	2.3	23	480	No	S, P, G
Nickel	2/2	8.49 - 10.23	2 - 2.3	2.2	ND	160	1,600	11,000	No	S, P, G
Tin	2/2	10.62 - 12.79	2.6 - 3	2.8	5.4	4,700	NA	660,000	No	B
Vanadium	2/2	10.62 - 12.79	2 - 6.4	4.2	3.2	55	550	4,800	No	S, P, G
Zinc	1/2	4.25 - 5.12	10	10	4.8	2,300	23,000	550,000	No	S, P, G

See notes on next page.

Table 8-6 (Continued)
Chemicals of Potential Concern in Subsurface Soil at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For duplicate samples having one nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples. Organic values are one times the mean of detected concentration. Organic values are included for comparison purposes only.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for residential surface soil exposure per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening. Actual values are taken from the USEPA Region III RBC tables dated February 1995, and are based on a cancer risk of 10^{-6} and an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Source: USEPA. December, 1994. Soil Screening Guidance, Review Draft, USEPA, Office of Solid Waste and Emergency Response, Washington, D.C., EPA/540/R-94/101.
[7] Values are taken from the Florida Department of Environmental Protection memorandum, Cleanup Goals for Military Sites in Florida, dated April 5, 1995. The values are for the Industrial Worker based on a cancer risk of 10^{-6} and the general worker based on a hazard quotient of 1.
[8] Analytes were included or excluded from the risk assessment for the following reasons:
S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.
[9] The value is based on arsenic as a carcinogen.
[10] The value is based on chromium hexavalent form.
[11] USEPA Office of Solid Waste and Emergency Response (OSWER) Directive No. 9355.4-12 revised interim recommended soil cleanup for Comprehensive Environmental Response, Compensation, and Liability Act (CERCLA) and Resource Conservation and Recovery Act (RCRA) sites.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include:
Duplicate sample locations include:
Background sample locations include: MPT-B-BS01; MPT-B-BS04; MPT-B-BS05; MPT-B-BS06
Duplicate background sample locations include: MPT-B-BS1DUP

SWMU = solid waste management unit.
CPC = chemicals of potential concern.
μg/kg = micrograms per kilograms.
PCBs = polychlorinated biphenyls.
mg/kg = milligrams per kilograms.
NA = not available.
ND = not detected in any background samples.

Table 8-7
Water Quality Parameters for Groundwater at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analytical Batch No.:		M7505	M7515	M7492	
Sample Matrix:		Groundwater	Groundwater	Groundwater	
Sample Location:		MPT-8-MW08S	MPT-8-MW09S	MPT-8-MW10S	Secondary [1] Water Quality Criteria
Sample No.:		08MW008S	08MW009S	08MW010S	
Date Sampled:		09-JUL-94	09-JUL-94	09-JUL-94	
Common Name	Units	Conc.	Conc.	Conc.	Conc.
Alkalinity as $CaCO_3$	mg/ℓ	224	3,390	238	–
Ammonia nitrogen	mg/ℓ	–	7.6	–	–
Chloride	mg/ℓ	906	3,790	29.6	250,000
Color	APHA	25	70	15	15
Hardness as $CaCO_3$	mg/ℓ	224	7,180	300	–
Nitrate + nitrite nitrogen	mg/ℓ	0.52	0.38	3.69	10,000
Oil and Grease	mg/ℓ	NA	NA	NA	–
Phosphorous P, total	mg/ℓ	0.21	NA	0.58	–
Sulfate	mg/ℓ	167	–	54.5	250,000
Sulfide	mg/ℓ	–	15.1	–	–
Total dissolved solids	mg/ℓ	NA	NA	NA	500
Total Kjeldahl nitrogen	mg/ℓ	–	15.2	1.3	–
Total organic carbon	mg/ℓ	NA	NA	NA	–
pH	SU	7	6.2	7.47	6.5 to 8.5

[1] Secondary Water Quality Criteria, Chapter 62-550.320, Florida Administrative Code (FAC).

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.

SWMU = solid waste management unit.
Conc. = concentration.
$CaCO_3$ = calcium carbonate.
mg/ℓ = milligrams per liter.
– = analyte not detected.
APHA = American Public Health Association.
NA = not available.
SU = standard units.

Table 8-8
Organic Analytes Detected in Groundwater Samples at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	23921	23918	R8710	R8710	R8710	R8710
Sample Location:	MPT-8-MW07S	MPT-8-MW08S	MPT-8-MW08S	MPT-8-MW09S	MPT-8-MW10S	MPT-8-MW10S
Sample No.:	MPT8MW7S	MPT8MW8S	08MW008S	08MW009S	08MW010S	08MW010SDup
Date Sampled	01-FEB-93	01-FEB-93	09-JUL-94	26-AUG-94	09-SEP-94	09-SEP-94
VOCs (8240) (μg/ℓ)						
2-Butanone	--	--	--	230 J	--	--
Acetone	--	--	--	330 J	--	--
Benzene	2 J	--	--	--	--	--
Carbon disulfide	2 J	--	--	4 J	--	--
Ethylbenzene	21	--	--	--	--	--
Methylene Chloride	--	4 J	--	--	--	--
Toluene	--	--	--	3 J	--	--
SVOCs (8270) (μg/ℓ)						
Fluorene	5 J	--	--	--	--	--
2-Methylnaphthalene	120	--	--	--	--	--
Naphthalene	130	--	--	--	--	--
2-Methylphenol	--	--	--	180	--	--
2,4-Dimethylphenol	--	--	--	180	--	--
3- & 4-Methylphenol (2)	--	--	--	480	--	--
Diethylphthalate	--	--	--	20 J	--	--

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = duplicate of environmental sample.
SWMU = solid waste management unit.
VOCs = volatile organic compounds.
μg/ℓ = micrograms per liter.
-- = analyte not detected.
"J" = estimated value.
SVOCs = semivolatile organic compounds.

Table 8-9
Inorganic Analytes Detected in Groundwater Samples at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte Batch No.:	23921	23918	R8710	R8710	R8710	R8710
Sample Location:	MPT-8-MW07S	MPT-8-MW08S	MPT-8-MW08S	MPT-8-MW09S	MPT-8-MW10S	MPT-8-MW10S
Sample No.:	MPT8MW7S	MPT8MW8S	08MW008S	08MW009S	08MW010S	08MW010SDup
Date Sampled	01-FEB-93	01-FEB-93	09-JUL-94	26-AUG-94	09-SEP-94	09-SEP-94
Inorganics (μg/ℓ)						
Arsenic	41.2	20.7	5.6 J	.6 J	1.8 J	1.1 J
Barium	67.6 J	28.1	8.4 J	112 J	6.2 J	6.3 J
Beryllium	1.6 J	0.98 J	--	--	--	--
Calcium	--	--	33,800	1,830,000	79,600	77,100
Chromium	40.9	36.8	--	--	--	--
Cobalt	11.7 J	7.1 J	--	--	--	--
Copper	15.4 J	3.4 J	--	--	--	--
Iron	--	--	88 J	4,820	--	--
Lead	45.9	10.4	--	--	--	--
Magnesium	--	--	28,100	401,000	17,100	16,500
Manganese	--	--	12 J	2,260	21.5	19.2
Mercury	0.29	--	--	--	--	--
Nickel	19.9 J	--	--	--	--	--
Selenium	--	--	--	--	1.9 J	1.2 J
Silver	2.1 J	--	--	--	--	--
Sodium	NA	NA	675,000	1,810,000	24,100	23,100
Tin	--	--	--	--	--	--
Vanadium	60.3	48.0 J	--	8.3 J	3 J	2 J
Zinc	127	52.2	--	16.5 J	--	--
Cyanide	12.8	--	--	--	--	--

Notes: Laboratory data validated at Naval Energy and Environmental Support Activity (NEESA) Level C.
Suffix Dup = duplicate of environmental sample.
SWMU = solid waste management unit.
μg/ℓ = micrograms per liter.
"J" = estimated value.
-- = analyte not detected.
NA = target analyte note analyzed.

Table 8-10
Chemicals of Potential Concern in Groundwater at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Concentration[4]	Risk Based Screening Concentration[5]	Florida Guidance Concentration[6]	Analyte CPC? (Yes/No)	Reason[7]
Volatiles (µg/ℓ)									
2-Butanone	1/3	10 - 20	230 - 230	230	ND	190	4200	Yes	
Acetone	1/3	10 - 20	330 - 330	330	ND	370	700	No	S,G
Carbon disulfide	1/3	5 - 10	4 - 4	4	1	2.1	700	Yes	
Toluene	1/3	5 - 10	3 - 3	3	ND	1,600	40	No	S, G
Semivolatiles (µg/ℓ)									
2,4-Dimethylphenol	1/3	10 - 80	180 - 180	180	ND	73	400	Yes	
2-Methylphenol	1/3	10 - 80	180 - 180	180	ND	180	350	No	S, G
3- & 4-Methylphenol	1/3	10 - 80	480 - 480	480	29	18	35	Yes	
Diethylphthalate	1/3	10 - 80	20 - 20	20	ND	2,900	5,600	No	S, G
Pesticides/PCBs (µg/ℓ)									
No Analytes Detected									
Inorganics (µg/ℓ)									
Arsenic	3/3	0.6 - 10	0.6 - 5.6	2.6	11.4	[8]0.038	50	No	B
Barium	3/3	0.4 - 200	6.25* - 112	42.2	10.2	260	2,000	No	S, G
Calcium	3/3	41.7 - 5,000	33,800 - 1,830,000	647,383	170,450	1,055,398	NA	Yes	
Iron	2/3	9.1 - 100	88 - 4,820	2,454	2,076	13,267	300	Yes	
Magnesium	3/3	31.4 - 5,000	16,800* - 401,000	148,633	21,234	118,807	NA	Yes	
Manganese	3/3	0.6 - 15	12 - 2,260	764	185.8	18	50	Yes	
Selenium	1/3	0.6 - 30	1.55*	1.5	11.8	18	NA	No	B
Sodium	3/3	14.4 - 5,000	23,600* - 1,810,000	836,200	18,624	396,022	160,000	Yes	
Vanadium	2/3	1.5 - 50	2.5* - 8.3	5.4	10.6	26	49	No	B
Zinc	1/3	1 - 20	16.5	16.5	50	1,100	5,000	No	B

See notes on next page.

Table 8-10 (Continued)
Chemicals of Potential Concern in Groundwater at SWMU 48

Groups I and II RFA SV Report
U.S. Naval Station
Mayport, Florida

Analyte	Frequency of Detection[1]	Range of Reporting Limits	Range of Detected Concentrations[2]	Mean of Detected Concentrations[3]	Background Screening Concentration[4]	Risk Based Screening Concentration[5]	Florida Guidance Concentration[6]	Analyte CPC? (Yes/No)	Reason[7]

[1] Frequency of detection is the number of samples in which the analyte was detected divided by the total number of samples analyzed (excluding rejected values).
[2] Value indicated by asterisk is the average of a sample and its duplicate. For nondetected values, 1/2 the contract required quantitation limit or contract required detection limit (CRDL) is used as a surrogate.
[3] The mean of detected concentrations is the arithmetic mean of all samples in which the analyte was detected including values qualified with a "J"; it does not include those samples where the analyte was not detected ("U" or "UJ" qualifiers) and rejected ("R" qualifier).
[4] The background screening value is twice the average of detected concentrations for inorganic analytes in background samples.
[5] For all chemicals except the essential nutrients (calcium, iron, magnesium, potassium, and sodium), U.S. Environmental Protection Agency (USEPA) Region III risk based concentrations (RBC) for tap water per January 1993 guidance (Selecting Exposure Routes and Contaminants of Concern by Risk-Based Screening, EPA/903/R-93-001) was used for screening Actual values are taken from RBC Table dated February 1995, and are based on a cancer risk of 10^{-6} or an adjusted hazard quotient of 0.1. For the essential nutrients, screening values were derived based on recommended daily allowances (RDAs).
[6] Florida Department of Environmental Protection Groundwater Guidance Concentrations (June 1994).
[7] Analytes were included or excluded from the risk assessment for the following reasons:
S = the maximum detected concentration did not exceed the screening concentration and will not be considered further.
G = the maximum detected concentration did not exceed the Florida cleanup goals and will not be considered further.
B = the maximum detected concentration did not exceed twice the arithmetic mean of detected concentrations at background locations.
F = the frequency of detection was less than 5 percent and professional judgment was used to exclude analyte from further study.
C = the analyte is a member of a chemical class that contains other chemicals of potential concern (CPCs) (i.e., carcinogenic polynuclear aromatic hydrocarbons [PAHs]).
M = the analyte was detected at less than 5 percent and is a CPC in more than one media.
P = the maximum detected concentration did not exceed the USEPA proposed soil screening levels (SSLs), 9355.4-14FS, dated December 1994.
[8] The value is based on arsenic as a carcinogen.
[9] The value is based on chromium hexavalent form.
[10] Treatment technology action limit for drinking water distribution systems per "National Primary Drinking Water Regulations" 40 CFR 141 as amended in 57 FR 41345, August 3, 1993.
[11] The values is based on thallium as thallium sulfate.

Notes: The average of a sample and its duplicate is used for all table calculations.

Sample locations include:
Duplicate samples include:
Background sample locations include: 01MW001, 08MW005S, 08MW001S, 0SMW001R, 8MW5S, MPT-1-MW1-1, MPT-S-1-1, AND S1

CPCs = chemicals of potential concern.
$\mu g/\ell$ = micrograms per liter.
ND = not detected in any background samples.
NA = not available.
PCBs = polychlorinated biphenyls.

groundwater collected from the monitoring wells [Durfor and Becker, 1964]). The highest value obtained for hardness was for the groundwater sample from monitoring well MPT-8-MW09S, which is hydraulically upgradient of SWMU 48 (Figure 7-2).

Target analytes detected in the groundwater samples consisted of 7 VOCs (2-butanone, acetone, benzene, carbon disulfide, ethylbenzene, methylene chloride, and toluene), 7 SVOCs (fluorene, 2-methylnaphthalene, naphthalene, 2-methylphenol, 2,4-dimethylphenol, 3- and 4-methylphenol (2), and diethylphthalate) (Table 8-8), and 20 inorganics (arsenic, barium, beryllium, calcium, chromium, cobalt, copper, iron, lead, magnesium, manganese, mercury, nickel, selenium, silver, sodium, tin, vanadium, zinc and cyanide) (Table 8-9).

VOCs and SVOCs detected in monitoring wells MPT-8-MW07S and MPT-8-MW09S are not related to a release from SWMU 48. Monitoring well MPT-8-MW07S is hydraulically side gradient to SWMU 48 and not in a flow path that would intercept contaminants from this SWMU. Monitoring well MPT-8-MW09S is hydraulically upgradient from SWMU 48.

Nine of the inorganic analytes (beryllium, chromium, cobalt, copper, lead, mercury, nickel, silver, and cyanide) detected in groundwater samples collected in 1993 were not detected in samples collected in 1994. This may be a result of using different sampling methods. The groundwater sampling event in 1993 used bailers to purge stagnant water within the well casing and collect a groundwater sample. This method generally produces water samples that are turbid and contain silt or clay materials. Preserving the samples with nitric acid to a pH of 2 Standard Units leaches metals from the sediment. The inorganic target analytes detected in 1993 that were not detected in 1994 are likely attributable to turbid groundwater samples.

The purging and sampling methodology used in the 1994 sampling event was a low flow method that generally does not produce a turbid groundwater sample. Samples produced by this method are generally more representative of the groundwater in an aquifer zone.

8.4 PRELIMINARY RISK EVALUATION.

Surface Soil. None of the VOCs or SVOCs detected in the surface soil samples exceeded the bench mark values. Only one inorganic analyte, arsenic, exceeded the bench mark values. Arsenic was not detected in surface soil background samples. Concentrations of arsenic exceeded the USEPA Region III RBC (0.37 mg/kg) and the proposed Superfund SSL (0.4 mg/kg) in two samples and a duplicate. One of the samples (MPT-48-SS05) contained arsenic at a concentration of 0.7 mg/kg which is the same as the Florida cleanup goal.

Subsurface Soil. VOCs, SVOCs, pesticides, and PCBs were not detected in the subsurface soil samples. One of two samples exceeded the background screening value (0.9 mg/kg) for arsenic. Concentrations of arsenic exceeded the USEPA Region III RBC and the proposed Superfund SSL in the two subsurface soil samples. The FDEP cleanup goal (3 mg/kg) for an industrial worker was not exceeded.

Groundwater. Analytical results from 1993 were not used in the preliminary risk evaluation for the following reasons: monitoring well MPT-8-MW07S is not in a

hydraulically downgradient position relative to SWMU 48, the methylene chloride detected in the 1993 groundwater sample from monitoring well MPT-8-MW08S is likely a laboratory derived contaminant, and the inorganic results from this sampling event are biased high because of turbid groundwater samples.

Two VOCs (2-butanone and carbon disulfide) and two SVOCs (2,4-dimethylphenol and 3- & 4-methylphenol) detected in monitoring well MPT-8-MW09S exceeded bench mark values. Concentrations of 2-butanone (280 μg/ℓ) and carbon disulfide (4 μg/ℓ) exceeded their respective USEPA Region III RBC (190 and 2.1 μg/ℓ), but not the FDEP guidance values (4,200 and 700 μg/ℓ). One of the SVOCs (2,4-dimethylphenol, 180 μg/ℓ) exceeded the USEPA Region III RBC (73 μg/ℓ), but not the FDEP Guidance value (400 μg/ℓ) and the other SVOC (3- & 4-methylphenol, 480 μg/ℓ) exceeded the USEPA Region III RBC (18 μg/ℓ) and the FDEP guidance value (35 μg/ℓ). It should be noted that these organic compounds were detected in samples from monitoring well MPT-8-MW09S, which is hydraulically upgradient from SWMU 48; therefore, these analytes are not attributable to a release from SWMU 48.

Five of the inorganic analytes (calcium, iron, magnesium, manganese, and sodium) exceeded background screening values and bench mark values in the groundwater sample collected from monitoring well MPT-8-MW09S. Only samples from one other monitoring well, MPT-8-MW08S, contained concentrations of magnesium and sodium that exceeded the background screening values and bench mark values.

The concentrations of calcium, iron, magnesium, manganese, and sodium detected in the groundwater sample from monitoring well MPT-8-MW09S and background and bench mark values exceeded are as follows.

Analyte	Concentration (μg/ℓ)	Background Screening Value (μg/ℓ)	USEPA Region III RBC (μg/ℓ)	FDEP Cleanup Goal (μg/ℓ)
Calcium	1,830,000	170,450	1,055,398	NA
Iron	4,820	2,076	13,267	300
Magnesium	401,000	21,234	118,807	NA
Manganese	2,260	185.8	18	50
Sodium	1,810,000	18,624	396,022	160,000

Notes: μg/ℓ = micrograms per liter.
NA = no bench mark value established.

Magnesium was detected in the groundwater sample collected from monitoring well MPT-8-MW08S at a concentration (28,100 μg/ℓ) that exceeded the background screening value, but not the USEPA Region III RBC. The concentration of sodium detected in the groundwater sample collected from monitoring well MPT-8-MW08S exceeded the background screening value and the USEPA Region III RBC.

It should be noted that the inorganic analytes detected in groundwater samples collected from monitoring well MPT-8-MW09S, which is hydraulically upgradient from SWMU 48, are not attributable to a release from SWMU 48. The concentration of magnesium and sodium detected in the groundwater sample collected from monitoring well MPT-8-MW08S is likely attributable to the proximity of the well to the St. Johns River or is due to the well being hydraulically downgradient

from the same source of contaminants detected in monitoring well MPT-8-MW09S samples.

8.5 CONCLUSIONS AND RECOMMENDATIONS.

8.5.1 Conclusions

Surface and Subsurface Soil. None of the VOCs or SVOCs detected in the surface soil samples exceeded the bench mark values. VOCs, SVOCs, pesticides, and PCBs were not detected in the subsurface soil samples. Only one inorganic analyte, arsenic, exceeded the bench mark values in both the surface and subsurface soil samples. Concentrations of arsenic in the surface soil samples exceeded the USEPA Region III RBC and proposed Superfund SSL and was equal to the FDEP cleanup goal. One of the subsurface soil samples contained arsenic at a concentration that exceeded the background screening value. Concentration of arsenic in the subsurface soil samples also exceeded the USEPA Region III RBC and the proposed Superfund SSL, but not the FDEP cleanup goal for an industrial worker.

Arsenic was detected in surface and subsurface soil samples at concentrations that exceeded bench mark values, which are based on a lifetime excess cancer risk of 10^{-6}. However, the potential risk associated with concentrations of arsenic that were detected is within a range (10^{-4} to 10^{-6}) that is considered by USEPA to be protective of human health (40 CFR Part 300) (see Tables C-9 and C-10, Appendix C).

Groundwater. VOCs and SVOCs were detected in a monitoring well (MPT-8-MW09S) located hydraulically upgradient from SWMU 48; therefore, these analytes are not attributable to a release from SWMU 48. However, these analytes did exceed bench mark values. Five inorganic analytes (calcium, iron, magnesium, manganese, and sodium) also exceeded background screening values and bench mark values in the groundwater sample collected from monitoring well MPT-8-MW09S. Only samples from one other monitoring well, MPT-8-MW08S, contained concentrations of magnesium and sodium that exceeded the background screening values and benchmark values. The inorganic analytes detected in monitoring well MPT-8-MW09S, which is hydraulically upgradient from SWMU 48, are not attributable to a release from SWMU 48. The concentrations of magnesium and sodium detected in the groundwater sample collected from monitoring well MPT-8-MW08S is likely attributable to the proximity of the well to the St. Johns River or is due to its location hydraulically downgradient from the same source of contaminants detected in monitoring well MPT-8-MW09S samples.

8.5.2 Recommendations

SWMU 48 is recommended for no further investigation at this time based on the following rationale.

- None of the VOCs or SVOCs detected in the surface soil samples exceeded the bench mark values.
- Pesticides and PCBs were not detected in the surface soil samples.
- VOCs, SVOCs, pesticides, and PCBs were not detected in the subsurface soil samples.
- Only one inorganic analyte, arsenic, exceeded the bench mark values in both the surface and subsurface soil samples.

- The concentrations of arsenic detected in surface and subsurface soil samples exceeded human health based risk bench mark values, which represent a lifetime excess cancer risk of 10^{-6}. However, the potential risk associated with the concentrations of arsenic that were detected is within a range (10^{-4} to 10^{-6}) that is considered by USEPA to be protective of human health (40 CFR 300, 1990).

- VOCs, SVOCs, and inorganics were detected in a sample from monitoring well (MPT-8-MW09S) located hydraulically upgradient from SWMU 48; therefore, these analytes are not attributable to a release from SWMU 48. However, these analytes did exceed bench mark values.

- The concentrations of magnesium and sodium detected in the groundwater sample collected from monitoring well MPT-8-MW08S are likely attributable to the proximity of the well to the St. Johns River or are due to its location hydraulically downgradient from the same source of contaminants detected in monitoring well MPT-8-MW09S samples.

- The default assumptions used in estimating risk based bench mark concentrations may not be representative and likely overstate the specific exposure present at the site (i.e., underestimate the concentration that would result in a lifetime excess cancer risk of 10^{-6}). Because the chemicals were detected in only one or two media (i.e., soil and or groundwater) all of the exposure pathways and assumptions used to estimate the bench mark concentrations are not relevant. Therefore, the concentrations may exceed the bench mark values (USEPA, 1994, USEPA, 1995, and FDEP, 1995) but actually result in a lower excess cancer risk than 10^{-6}.

9.0 SUMMARY

9.1 GROUP I SWMUS.

9.1.1 SWMU 26, Landfill C SWMU 26 is recommended for no further investigation at this time based on analytical results of soil and groundwater samples.

Soil Samples. Pesticides and PCBs were not detected in surface or subsurface soil samples at SWMU 26. VOCs (acetonitrile, chloroform, 2-butanone, toluene, and xylenes) and SVOCs (di-n-butylphthalate and bis(2-ethylhexyl)phthalate) were detected in surface and subsurface soil samples at concentrations less than human health risk based benchmark values. Inorganic analytes (arsenic and beryllium) were detected in surface and subsurface soil samples at concentrations within a range of potential risk considered by USEPA to be protective of human health.

Groundwater Samples. VOCs, pesticides, PCBs, or cyanide were not detected in the groundwater samples collected from the SWMU 26 monitoring wells. The SVOCs detected in groundwater samples do not exceed human health based benchmark values. Inorganic analytes (antimony, magnesium, manganese, sodium, and thallium) were detected in groundwater samples at concentrations that exceed human health benchmark values; however, these same analytes, with the exception of thallium, were detected in groundwater samples collected from monitoring wells located hydraulically upgradient from the SWMU. SWMU 26 does not appear to be the source of the detected analytes (antimony, magnesium, manganese, sodium, and thallium). Groundwater in the vicinity of SWMU 26 is being assessed as part of the NAVSTA Mayport RFI for Group I landfill SWMUs 2, 3, 4, and 5.

9.1.2 SWMU 49, Flight Line Retention Ponds An RFI focused toward ecological risk assessment or interim measures to remove sediment in the ponds is recommended for SWMU 49. The focused RFI should include ecological diversity and aquatic and sediment toxicity testing to assess whether to place SWMU 49 on the no further action list, or establish a monitoring program to assess whether continued discharge from the industrial area is adversely affecting the ecology of the two ponds or conduct a corrective measures study. SWMU 49 is a stormwater retention pond that discharges to a Class III marine water body. SWMU 49 has restricted access and is not likely to be used for recreational fishing. However, it is common to see birds foraging at SWMU 49.

The following provides the rationale for this decision based on analytical results of surface water and sediment samples.

Surface Water Samples. VOCs, SVOCs, pesticides, and PCBs were not detected in surface water samples collected from SWMU 49. Eight inorganic analytes were detected at concentrations that exceeded background screening criteria. Concentrations of six inorganic analytes (arsenic, beryllium, lead, mercury, nickel, and zinc) exceeded AWQC for protection of aquatic life (acute). The Class III marine surface water standard was exceeded by concentrations of five inorganic analytes (beryllium, lead, mercury, nickel, and zinc).

Sediment Samples. PCBS have not been detected in sediment samples collected at SWMU 49. VOCs, SVOCs, pesticides, and inorganic analytes have been detected in the sediment samples. Currently, there are no ecological benchmark criteria to assess four of the VOCs (acetone, acetonitrile, 2-butanone, and carbon disulfide), the SVOC butylbenzylphthalate and pesticide heptachlor detected in the sediment samples.

The SVOCs bis(2-ethylhexyl)phthalate, pyrene, fluoranthene, 2-methylnaphthalene and naphthalene were detected at concentrations that exceed ecological bench mark criteria. The pesticides chlordane, 4,4'-DDD, and 4,4'-DDE were detected at concentrations that exceed ecological bench marks. The inorganics arsenic, cadmium, copper, lead, mercury, nickel, silver, and zinc also exceeded ecological bench marks.

Comparison of organic compounds and metals detected in the sediment samples to the background screening and bench mark values suggests that sediment in the SWMU 49 western and eastern ponds may be adversely impacted by discharge of stormwater runoff from the industrial areas served by the stormwater retention ponds. This is based on the detection of multiple organic and inorganic target analytes at concentrations where adverse biological effects are beginning to be observed (i.e., at concentrations greater than the ER-M and PEL).

9.1.3 SWMU 50, East and West Dredge Spoil Disposal Areas

Based on the analytical results, ecological diversity measurements and aquatic and sediment toxicity testing appear to be warranted as part of an RFI focused towards conducting an ecological risk assessment. However, before a commitment is made to the focused ecological risk assessment, the SWMU 50 analytical results should be assessed along with the results of the RFI being conducted for the Landfill SWMUs 2, 3, 4, and 5 which are located beneath and adjacent to SWMU 50. Recommendations pertaining to the need for a focused ecological risk assessment at SWMU 50 will be made in the RFI report for the Group I SWMUs

The Navy plans to remove some of the dredge material to provide capacity for future maintenance dredging of Mayport Turning Basin. Existing data and data obtained from a focused ecological risk assessment, if required, and corrective measures study, if required, could provide an adequate basis to evaluate use, if any, of the dredge material such as for asphalt or concrete mix for roads.

The possible need for a focused ecological risk assessment is based on the following rationale.

Because bench mark values have not been established by Long and others (1993) and MacDonald (1994) for benzo(k)fluoranthene, butylbenzylphthalate, di-n-octylphthalate, antimony, beryllium, selenium, and cyanide, they were considered CPCs.

Target analytes that exceeded the TEL were benzo(a)anthracene, benzo(a)pyrene, chrysene, and pyrene. Target analytes that exceeded the ER-L and TEL were fluoranthene, cadmium, and lead. None of the target analytes exceeded values for the ER-M or PEL.

Concentrations of benzo(a)pyrene and antimony exceed FDEP residential soil cleanup goals and concentrations of beryllium exceeded residential and industrial worker soil cleanup goals.

9.1.4 SWMU 56, Building 1552 Accumulation Area SWMU 56 is recommended for no further investigation at this time based on analytical results of soil and groundwater samples.

Soil Samples. PCBs were not detected in surface or subsurface soil samples. Eight VOCs (acetone, acetonitrile, carbon disulfide, trichlorofluoromethane, chloroform, 2-butanone, 4-methyl-2-butanone, and toluene), two SVOCs (di-n-butyl-phthalate and bis(2-ethylhexyl)phthalate), and one pesticide (4,4'-DDE) were detected in surface soil samples at concentrations less than human health benchmark values. One VOC (acetone) and one pesticide (4,4'-DDE) were detected in subsurface soil samples at concentrations less than human health benchmark values.

Inorganic analytes (arsenic, beryllium, cadmium, and chromium) were detected in surface soil samples at concentrations within a range of potential risk considered by USEPA to be protective of human health. Inorganic analytes (arsenic, barium, lead, vanadium, and zinc) detected in subsurface soil samples did not exceed the human health benchmark values.

Groundwater Samples. The VOC (acetone) detected in the groundwater sample from SWMU 56 did not exceed human health benchmark values. Acetone is a contaminant that may be related to decontamination of the sampling equipment or the analytical laboratory. Magnesium and sodium were detected at concentrations that exceeded their respective background screening values; however, the concentrations were less than their USEPA Region III RBCs. The concentration of sodium exceeded the FDEP guidance concentration.

9.2 GROUP II SWMUS.

9.2.1 SWMU 19, Naval Aviation Depot (NADEP) Blasting Area SWMU 19 is recommended for no further investigation at this time. The following provides the rationale for this decision based on analytical results of soil and sediment samples and a sample of the Black Beauty™ sand blasting media.

Soil Samples. PCBs were not detected in either the surface or subsurface soil samples. VOCs were not detected in the surface soil samples and SVOCs were not detected in the subsurface soil samples.

Target analytes detected in the surface soil samples consist of 2 SVOCs, 2 pesticides, and 11 inorganic analytes. Target analytes detected in the subsurface soil samples consist of 1 VOC, 3 pesticides, and 10 inorganic analytes.

None of the VOCs, SVOCs, or pesticides detected in the surface or subsurface soil samples exceeded the human health benchmark values. Inorganic analytes (arsenic and beryllium) were detected in surface and subsurface soil samples at concentrations within a range of potential risk considered by USEPA to be protective of human health. None of the inorganic analytes detected in the subsurface soil samples exceeded the benchmark values.

Sediment Samples. VOCs, SVOCs, pesticides, and PCBs were not detected in the sediment samples. None of the eight inorganic analytes detected in the two sediment samples exceeded background screening values.

Black Beauty™ Samples. The result of the TCLP analysis indicate that the Black Beauty™ sand blasting media does not meet the definition of an RCRA-characteristic hazardous waste.

9.2.2 SWMU 28, Defense Reutilization and Marketing Office Yard SWMU 28 is recommended for no further investigation at this time. The following provides the rationale for this decision based on analytical results of soil and groundwater samples.

Soil Samples. Pesticides and PCBs were not detected in surface or subsurface soil samples. The three VOCs (acetone, methylene chloride, and xylenes) detected in the surface soil samples did not exceed human health based screening values.

The SVOC 4-chloro-3-methylphenol was determined to be a chemical of potential concern in surface soil samples, because human health benchmark criteria are not currently available. None of the other PAH compounds detected in the surface soil samples exceeded human health benchmark values.

Six SVOCs (benzo(a)anthracene, benzo(b)perylene, benzo(g,h,i)perylene, chrysene, dibenz(a,h)anthracene, and indeno(1,2,3-cd)pyrene) were determined to be chemicals of potential concern in subsurface soil samples. However, none of the PAH compounds were detected in the surface or subsurface soil samples at concentrations that exceed the FDEP cleanup goals.

Inorganic analytes (arsenic and beryllium) were detected in surface and subsurface soil samples at concentrations within a range of potential risk considered by USEPA to be protective of human health.

Groundwater Samples. Only one inorganic target analyte, thallium, was determined to be a chemical of potential concern. Thallium was detected as a single occurrence and exceeded the USEPA Region III RBC, but not the FDEP Guidance Concentration. Thallium was not detected in the surface and subsurface soil samples, therefore, SWMU 28 is not likely the source of thallium in the groundwater sample.

9.2.3 SWMU 48 Former Chemistry Laboratory Accumulation Area SWMU 48 is recommended for no further investigation at this time. The following provides the rationale for this decision based on analytical results of soil and groundwater samples.

Soils. Pesticides and PCBs were not detected in surface soil samples. None of the VOCs or SVOCs detected in the surface soil samples exceeded human health benchmark values. VOCs, SVOCs, pesticides, and PCBs were not detected in subsurface soil samples. One inorganic analyte (arsenic) was detected in surface and subsurface soil samples at concentrations within a range of potential risk considered by USEPA to be protective of human health.

Groundwater. VOCs and SVOCS were detected in a sample from a monitoring well (MPT-8-MW09S) located hydraulically upgradient from SWMU 48. These analytes are not attributable to a release from SWMU 48.

Five of the inorganic analytes (calcium, iron, magnesium, manganese, and sodium) exceeded background screening values and benchmark values in the groundwater

sample collected from monitoring well MPT-8-MW09S. Only samples from one other monitoring well, MPT-8-MW08S, contained concentrations of magnesium and sodium that exceeded the background screening values and benchmark values. The concentrations of magnesium and sodium detected in the groundwater sample collected from monitoring well MPT-8-MW08S is likely attributable to the proximity of the site to the St. Johns River or its location hydraulically downgradient from the same source of contaminants detected in monitoring well MPT-8-MW09S samples.

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APPENDIX A

TARGET ANALYTE LIST

APPENDIX A: ANALYTICAL PROGRAM

The analytical program for the RCRA Corrective Action Program at NAVSTA Mayport addresses analytes selected from both the 40 CFR 264, Appendix IX, groundwater monitoring list and the USEPA Contract Laboratory Program target compound list and target analyte list (Tables A-1 through A-4). Tables A-1 through A-4 provide a summary of target analytes in both lists, current target analytes, and target analytes that have been detected in previous investigations at NAVSTA Mayport. Gas chromatography and mass spectroscopy (GC/MS) methods are used for analyses of environmental and QA/QC samples. Specifically, USEPA Method 8240 is used to analyze for VOCs (Table A-1) and USEPA Method 8270 is used to analyze for SVOCs (Table A-2). USEPA Method 8080 is used to analyze for chlorinated pesticides and PCBs (Table A-3). Organophosphorus pesticides (USEPA 8140) and chlorinated herbicides (USEPA Method 8150) are target analytes only at sites known to be used for pesticide storage, handling, and mixing. Selected metals are analyzed by inductively coupled plasma (ICP), graphite furnace atomic absorption (GFAA), or cold vapor atomic absorption (CVAA), as appropriate (e.g., USEPA Methods 6010, 7420, or 7470) (Table A-4). USEPA Method 9010 is used to analyze for cyanide.

The analytical data packaging for reporting VOCs, SVOCs, pesticides, PCBs, and inorganics is NEESA Level C.

The number of field and laboratory QA/QC samples collected is in accordance with the generic Quality Assurance Program Plan (QAPP), Appendix A, Volume II, of the NAVSTA Mayport RFI Workplan (ABB-ES, 1991). Field and laboratory QA/QC samples are analyzed by the same analytical methods as the associated environmental samples. The following presents a brief description of field QA/QC samples.

- Duplicates. Duplicates of soil, waste, groundwater, surface water, and sediment samples are submitted for analyses at a rate of 10 percent of the samples analyzed, or a minimum of 1 per event for each media sampled.

- Trip Blanks. A trip blank is included with each shipment of samples scheduled for VOC analysis and analyzed with other VOC samples.

- Equipment Rinsate Blanks. A minimum of one equipment rinsate (sampler) blank per week per media is collected from each piece of equipment used in the sampling event (bailers, sampling pumps, and/or tubing). If equipment is decontaminated in the field, then a minimum of two equipment rinsate blanks are collected each day. One is collected at the initiation of daily sampling activities and the other at the completion.

- Field Blanks. A field blank or source water blank is collected at a rate of at least one blank per field event or every 10 days, whichever is greater. The source blank monitors water used by the field operations for daily operations.

Table A-1
Gas Chromatograph and Mass Spectrometer Volatiles
Comparison of Target Analytes From Resource Conservation and Recovery Act Appendix IX Groundwater Monitoring List and U.S. Environmental Protection Agency Contract Laboratory Program Target Compound List

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Volatile Organic Compounds	Appendix IX	CLP TCL	Currently A Target Analyte	Detected at NAVSTA Mayport
Chloromethane		✓	✓	
Bromomethane		✓	✓	
Vinyl chloride	✓	✓	✓	
Chloroethane	✓	✓	✓	
Methylene chloride	✓	✓	✓	✓
Acetone	✓	✓	✓	✓
Carbon disulfide	✓	✓	✓	✓
Trichlorofluoromethane	✓		✓	✓
1,1-Dichloroethene	✓	✓	✓	
1,1-Dichloroethane	✓	✓	✓	✓
1,2-Dichloroethene (total)	✓	✓	✓	
Chloroform	✓	✓	✓	✓
1,2-Dichloroethane	✓	✓	✓	
2-Butanone	✓	✓	✓	✓
1,1,1-Trichloroethane	✓	✓	✓	
Carbon tetrachloride	✓	✓	✓	
Bromodichloromethane	✓	✓	✓	✓
1,2-Dichloropropane	✓	✓	✓	
cis-1,3-Dichloropropene	✓	✓	✓	
Trichloroethene	✓	✓	✓	✓
Benzene	✓	✓	✓	✓
Dibromochloromethane	✓	✓	✓	✓
1,1,2-Trichloroethane	✓	✓	✓	
trans-1,3-Dichloropropene	✓	✓	✓	
2-Chloroethylvinylether			✓	
Bromoform	✓	✓	✓	
2-Hexanone	✓	✓	✓	
Tetrachloroethene	✓	✓	✓	
1,1,2,2-Tetrachloroethane	✓	✓	✓	✓
Toluene	✓	✓	✓	✓
Chlorobenzene	✓	✓	✓	✓
Ethylbenzene	✓	✓	✓	✓

See notes at end of table.

Table A-1 (Continued)
Gas Chromatograph and Mass Spectrometer Volatiles
Comparison of Target Analytes From Resource Conservation and Recovery Act Appendix IX Groundwater Monitoring List and U.S. Environmental Protection Agency Contract Laboratory Program Target Compound List

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Volatile Organic Compounds	Appendix IX	CLP TCL	Currently A Target Analyte	Detected at NAVSTA Mayport
Styrene	✓	✓	✓	
Xylenes (total)				
4-Methyl-2-pentanone	✓	✓	✓	
1,3-Dichlorobenzene	✓		✓	
1,4-Dichlorobenzene	✓		✓	✓
1,2-Dichlorobenzene	✓		✓	
Acetonitrile	✓		✓	✓
Acrolein	✓		✓	✓
Acrylonitrile	✓		✓	
Chloroprene	✓		✓	
3-Chloropropene	✓		✓	
1,2-Dibromo-3-chloropropane	✓		✓	✓
1,2-Dibromoethane	✓		✓	
Dibromomethane	✓		✓	
1,4-Dioxane	✓		✓	
Propionitrile	✓		✓	
Ethyl Methacrylate	✓		✓	
Iodomethane	✓		✓	
Isobutyl alcohol	✓		✓	
Methacrylonitrile	✓		✓	
Methyl methacrylate	✓		✓	
Vinyl acetate	✓		✓	
Trans-1,4-dichloro-2-butene	✓		✓	
Dichlorodifluoromethane	✓		✓	
Pentachloroethane	✓		✓	
1,1,1,2-Tetrachloroethane	✓		✓	
1,2,3-Trichloropropane	✓		✓	

Notes: ✓ = Target analytes for environmental and quality control samples collected at each Solid Waste Management Unit.

Appendix IX = 40 Code of Federal Regulations Part 264, Appendix IX, Ground Water Monitoring List. Analytical Methodology for Appendix IX is Test Methods for Evaluation of Solid Wastes, US EPA, SW 846, Third Edition, November, 1986. (And Proposed Update Package, 1989.)

CLP TCL = U.S. Environmental Protection Agency Contract Laboratory Program, Statement of Work for Organic Analysis, Multi-Media, Multi-Concentration, Exhibit C, Target Compound List and Contract Required Quantitation Limits, OLM01.0, July 1993.

Table A-2
Gas Chromatograph and Mass Spectrometer Semivolatiles
Comparison of Target Analytes From Resource Conservation and Recovery Act Appendix IX Groundwater Monitoring List and U.S. Environmental Protection Agency Contract Laboratory Program Target Compound List

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Semivolatile Organic Compounds	Appendix IX	CLP TCL	Currently A Target Analyte	Detected at NAVSTA Mayport
Acid Extractables				
Phenol	✓	✓	✓	✓
2-Chlorophenol	✓	✓	✓	
2-Methylphenol	✓	✓	✓	✓
4-Methylphenol	✓	✓	✓	✓
2-Nitrophenol	✓	✓	✓	
2,4-Dimethylphenol	✓	✓	✓	✓
2,4-Dichlorophenol	✓	✓	✓	
4-Chloro-3-methylphenol	✓	✓	✓	
2,4,6-Trichlorophenol	✓	✓	✓	
2,4,5-Trichlorophenol	✓	✓	✓	
2,4-Dinitrophenol	✓	✓	✓	
4-Nitrophenol	✓	✓	✓	
2-Methyl-4,6-dinitrophenol	✓	✓	✓	
Pentachlorophenol	✓	✓	✓	✓
2,3,4,6-Tetrachlorophenol	✓		✓	
2,6-Dichlorophenol	✓		✓	
Benzoic Acid			✓	✓
Base-Neutral Compounds				
1,3-Dichlorobenzene[1]	✓	✓	✓	
1,4-Dichlorobenzene[1]	✓	✓	✓	
1,2-Dichlorobenzene[1]	✓	✓	✓	
Hexachloroethane	✓	✓	✓	
1,2,4-Trichlorobenzene	✓	✓	✓	
Naphthalene[2]	✓	✓	✓	✓
Hexachlorobutadiene	✓	✓	✓	
Hexachlorocyclopentadiene	✓	✓	✓	
See notes at end of table.				

Table A-2 (Continued)
Gas Chromatograph and Mass Spectrometer Semivolatiles
Comparison of Target Analytes From Resource Conservation and Recovery Act Appendix IX Groundwater Monitoring List and U.S. Environmental Protection Agency Contract Laboratory Program Target Compound List

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Semivolatile Organic Compounds	Appendix IX	CLP TCL	Currently A Target Analyte	Detected at NAVSTA Mayport
2-Chloronaphthalene	✓	✓	✓	
Acenaphthylene[2]	✓	✓	✓	
Acenaphthene[2]	✓	✓	✓	✓
Dibenzofuran	✓	✓	✓	✓
Fluorene[2]	✓	✓	✓	✓
4-Chlorophenyl-phenylether	✓	✓	✓	
4-Bromophenyl-phenylether				
Hexachlorobenzene	✓	✓	✓	
Phenanthrene[2]	✓	✓	✓	✓
Anthracence[2]	✓	✓	✓	✓
Fluoranthene[2]	✓	✓	✓	✓
Pyrene[2]	✓	✓	✓	✓
Benzo(a)anthracene[2]	✓	✓	✓	✓
Chrysene[2]	✓	✓	✓	✓
Benzo(b)fluoranthene[2]	✓	✓	✓	✓
Benzo(k)fluoranthene[2]	✓	✓	✓	
Benzo(a)pyrene[2]	✓	✓	✓	✓
Indeno(1,2,3-cd)pyrene[2]	✓	✓	✓	
Dibenzo(a,h)anthracene[2]	✓	✓	✓	
Benzo(g,h,i)perylene[2]	✓	✓	✓	✓
bis(2-Chloroethyl)ether	✓		✓	
n-Nitroso-di-n-propylamine	✓	✓	✓	
Nitrobenzene	✓	✓	✓	
Isophorone	✓	✓	✓	
bis(2-Chloroethoxy)methane	✓	✓	✓	
Dimethylphthalate	✓	✓	✓	
2,6-Dinitrotoluene	✓	✓	✓	
2,4-Dinitrotoluene	✓	✓	✓	
Diethylphthalate	✓	✓	✓	✓
n-Nitrosodiphenylamine	✓	✓	✓	
di-n-Butylphthalate	✓	✓	✓	✓
Butylbenzylphthalate	✓	✓	✓	✓
3,3'-Dichlorobenzidine	✓	✓	✓	
bis(2-Ethylhexyl)phthalate	✓	✓	✓	✓
di-n-Octylphthalate	✓	✓	✓	✓

Table A-2 (Continued)
Gas Chromatograph and Mass Spectrometer Semivolatiles
Comparison of Target Analytes From Resource Conservation and Recovery Act Appendix IX Groundwater Monitoring List and U.S. Environmental Protection Agency Contract Laboratory Program Target Compound List

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Semivolatile Organic Compounds	Appendix IX	CLP TCL	Currently A Target Analyte	Detected at NAVSTA Mayport
n-Nitrosodimethylamine	✓		✓	✓
2-Picoline	✓		✓	
Diphenylamine	✓		✓	
4-Nitroaniline	✓	✓	✓	
Benzyl alcohol	✓		✓	
n-Nitrosopiperidine	✓		✓	
n-Nitrosomethylethylamine	✓		✓	
4-Chloroaniline	✓	✓	✓	
p-Phenylenediamine	✓		✓	
3- and 4-Methylphenol				
bis(2-Chloroisopropyl)ether	✓	✓	✓	
Pyridine	✓		✓	
3,3'-Dimethylbenzidine	✓		✓	
Isosafrole	✓		✓	
Phenyl-tert-butylamine	✓		✓	
1,2-Diphenylhydrazine			✓	
1,4-Naphthoquinone	✓		✓	
1-Naphthylamine	✓		✓	
Aramite	✓		✓	
Hexachloropropene	✓		✓	
Pronamide	✓		✓	
2-Acetylaminofluorene	✓		✓	✓
n-Nitrosodiethylamine	✓		✓	
3-Methylcholanthrene	✓		✓	
4-Nitroquinoline-1-oxide	✓		✓	
7,12-Dimethylbenz(a)anthracene	✓		✓	
n-Nitrosomorpholine	✓		✓	
p-(Dimethylamino)azobenzene	✓		✓	
Pentachlorobenzene	✓		✓	
Phenacetin	✓		✓	
Ethyl methanesulfonate	✓		✓	
Aniline	✓		✓	
Methyl methanesulfonate	✓		✓	

See notes at end of table.

Table A-2 (Continued)
Gas Chromatograph and Mass Spectrometer Semivolatiles
Comparison of Target Analytes From Resource Conservation and Recovery Act Appendix IX Groundwater Monitoring List and U.S. Environmental Protection Agency Contract Laboratory Program Target Compound List

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Semivolatile Organic Compounds	Appendix IX	CLP TCL	Currently A Target Analyte	Detected at NAVSTA Mayport
Hexachlorophene	✓		✓	
Pentachloronitrobenzene	✓		✓	
2-Nitroaniline	✓	✓	✓	
2-Methylnaphthalene[2]	✓	✓	✓	✓
2-Naphthylamine	✓		✓	
Methapyrilene	✓		✓	
4-Aminobiphenyl	✓		✓	
Benzidine			✓	
n-Nitroso-di-n-butylamine	✓		✓	
n-Nitrosopyrrolidine	✓		✓	
Safrole	✓		✓	
o-Toluidine	✓		✓	
1,2,4,5-Tetrachlorobenzene	✓		✓	
Acetophenone	✓		✓	
3-Nitroaniline	✓	✓	✓	
1,3,5-Trinitrobenzene	✓		✓	
5-Nitro-o-toluidine	✓		✓	
1,3-Dinitrobenzene	✓		✓	
Carbazole		✓		

[1] Analyte is both a volatile and semivolatile target analyte.
[2] Analyte is a polynuclear aromatic hydrocarbon.

Notes: ✓ = Target analytes for environmental and quality control samples collected at each Solid Waste Management Unit.

Appendix IX = 40 Code of Federal Regulations Part 264, Appendix IX, Ground Water Monitoring List. Analytical Methodology for Appendix IX is Test Methods for Evaluation of Solid Wastes, US EPA, SW 846, Third Edition, November, 1986. (And Proposed Update Package, 1989.)

CLP TCL = U.S. Environmental Protection Agency Contract Laboratory Program, Statement of Work for Organic Analysis, Multi-Media, Multi-Concentration, Exhibit C, Target Compound List and Contract Required Quantitation Limits, OLM01.0, July 1993.

Table A-3
Gas Chromatograph Pesticides, Herbicides and Polychlorinated Biphenyls Comparison of Target Analytes From Resource Conservation and Recovery Act Appendix IX Groundwater Monitoring List and U.S. Environmental Protection Agency Contract Laboratory Program Target Compound List

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Pesticides, Herbicides and Polychlorinated Biphenyls	Appendix IX	CLP TCL	Currently A Target Analyte	Detected at NAVSTA Mayport
Organochlorine Pesticides				
alpha-Benzene hexachloride (BHC)	✓	✓	✓	✓
beta-BHC	✓	✓	✓	✓
delta-BHC	✓	✓	✓	✓
gamma-BHC (Lindane)	✓	✓	✓	
Heptachlor	✓	✓	✓	✓
Aldrin	✓	✓	✓	
Heptachlor epoxide	✓	✓	✓	✓
Endosulfan I	✓	✓	✓	
Dieldrin	✓	✓	✓	
4,4'-Dichlorodiphenyldichloroethylene (4,4'-DDE)	✓	✓	✓	✓
Endrin	✓	✓	✓	
Endosulfan II	✓	✓	✓	
4,4'-Dichlorodiphenyldichloroethane (4-4'-DDD)	✓	✓	✓	✓
Endosulfan sulfate	✓	✓	✓	
4,4'-Dichlorodiphenyltrichloroethane (4,4'-DDT)	✓	✓	✓	✓
Methoxychlor	✓	✓	✓	
Endrin keytone		✓	✓	
Endrin aldehyde	✓	✓	✓	
alpha-Chlordane	✓	✓	✓	✓
gamma-Chlordane	✓	✓	✓	✓
Toxaphene	✓	✓	✓	
Organophosphorus Pesticides				
Aspon-SS	✓		*	
Triethylphosphorothioate	✓		*	
Thionazin	✓		*	
Parathion methyl	✓		*	
Phorate	✓		*	
Disulfoton	✓		*	
Sulfotepp	✓		*	
Famphur	✓		*	
Parathion ethyl	✓		*	
Dimethoate				
See notes at end of table.				

Table A-3 (Continued)
Gas Chromatograph Pesticides, Herbicides and Polychlorinated Biphenyls Comparison of Target Analytes From Resource Conservation and Recovery Act Appendix IX Groundwater Monitoring List and U.S. Environmental Protection Agency Contract Laboratory Program Target Compound List

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Pesticides, Herbicides and Polychlorinated Biphenyls	Appendix IX		Currently A Target Analyte	Detected at NAVSTA Mayport
Chlorinated Herbicides				
2,4-Dichlorophenylacetic acid			★	
3,5-Dichlorobenzoic acid			★	
Dinoseb	✓		★	
(2,4,5-Trichlorophenoxy)-acetic acid (2,4,5-T)	✓		★	
α-(2,4,5-Trichlorophenoxy) propionic acid (2,4,5-TP) (Silvex)	✓		★	
2,4-Dichlorophenoxyacid (2,4-D)			★	
Polychlorinated Biphenyls (PCBs)				
Aroclor-1016	✓	✓	✓	
Aroclor-1221	✓	✓	✓	
Aroclor-1232	✓	✓	✓	
Aroclor-1242	✓	✓	✓	
Aroclor-1248	✓	✓	✓	✓
Aroclor-1254	✓	✓	✓	
Aroclor-1260	✓	✓	✓	✓

Notes: ✓ = Target analytes for environmental and quality control samples collected at each Solid Waste Management Unit.

★ = Target analytes for environmental and quality control samples collected at pesticide handling and storage sites.

Appendix IX = 40 Code of Federal Regulations Part 264, Appendix IX, Ground Water Monitoring List. Analytical Methodology for Appendix IX is Test Methods for Evaluation of Solid Wastes, US EPA, SW 846, Third Edition, November, 1986. (And Proposed Update Package, 1989.)

CLP TCL = U.S. Environmental Protection Agency Contract Laboratory Program, Statement of Work for Organic Analysis, Multi-Media, Multi-Concentration, Exhibit C, Target Compound List and Contract Required Quantitation Limits, 0LM01.0, July 1993.

Table A-4
Inorganics and Cyanide
Comparison of Target Analytes From Resource Conservation and Recovery Act Appendix IX Groundwater Monitoring List and U.S. Environmental Protection Agency Contract Laboratory Program Target Analyte List

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Inorganics and Cyanide	Appendix IX	CLP TAL	Currently A Target Analyte	Detected at NAVSTA Mayport
Aluminum		✓		
Antimony	✓	✓	✓	✓
Arsenic	✓	✓	✓	✓
Barium	✓	✓	✓	✓
Beryllium	✓	✓	✓	✓
Cadmium	✓	✓	✓	✓
Calcium		✓	✓	✓
Chromium	✓	✓	✓	✓
Cobalt	✓	✓	✓	✓
Copper	✓	✓	✓	✓
Iron		✓	✓	✓
Lead	✓	✓	✓	✓
Magnesium		✓	✓	✓
Manganese		✓	✓	✓
Mercury	✓	✓	✓	✓
Nickel	✓	✓	✓	✓
Potassium		✓	✓	✓
Selenium	✓	✓	✓	✓
Silver	✓	✓	✓	✓
Sodium		✓	✓	✓
Thallium	✓	✓	✓	✓
Tin	✓		✓	✓
Vanadium	✓	✓	✓	✓
Zinc	✓	✓	✓	✓
Cyanide	✓	✓	✓	✓

Notes: ✓ = Target analytes for environmental and quality control samples collected at each Solid Waste Management Unit.

Appendix IX = 40 Code of Federal Regulations Part 264, Appendix IX, Ground Water Monitoring List. Analytical Methodology for Appendix IX is Test Methods for Evaluation of Solid Wastes, US EPA, SW 846, Third Edition, November, 1986. (And Proposed Update Package, 1989.)

CLP TAL = U.S. Environmental Protection Agency Contract Laboratory Program, Statement of Work for Inorganic Analysis, Multi-Media, Multi-Concentration, Target Analyte List and Contract Required Quantitation Limits, ILM0 1.0, March 1990.

APPENDIX B

DATA SUMMARY TABLES

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7503009				M7503010				M7503011				M7513002			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		26MW001S				26MW001SD				26MW002S				26MW003S			
Collect Date:		12-JUL-94				12-JUL-94				12-JUL-94				13-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/l																
Chloromethane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Bromomethane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Vinyl chloride		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chloroethane		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Methylene chloride		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Acetone		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l	
Carbon disulfide		5	UJ	ug/l		5	UJ	ug/l		5	UJ	ug/l		5	UJ	ug/l	
1,1-Dichloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,1-Dichloroethene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloroethene (total)		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Chloroform		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
2-Butanone		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,1,1-Trichloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Carbon tetrachloride		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Bromodichloromethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloropropane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
cis-1,3-Dichloropropene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Trichloroethene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Dibromochloromethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,1,2-Trichloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Benzene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
trans-1,3-Dichloropropene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Bromoform		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
4-Methyl-2-pentanone		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Hexanone		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Tetrachloroethene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,1,2,2-Tetrachloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Toluene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Chlorobenzene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Ethylbenzene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Styrene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Xylenes (total)		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Trichlorofluoromethane		5	UJ	ug/l		5	UJ	ug/l		5	U	ug/l	5	5	U	ug/l	5
1,3-Dichlorobenzene		10	UJ	ug/l		10	U	ug/l	10	5	U	ug/l	5	10	U	ug/l	10
Acrolein		100	R	ug/l		100	R	ug/l		100	U	ug/l	100	100	R	ug/l	
Iodomethane		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l	
1,4-Dichlorobenzene		5	U	ug/l	5	10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Acrylonitrile		100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100
Dibromomethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,2-Dichlorobenzene		10	UJ	ug/l		5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
2-Chloroethylvinylether		10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l		10	UJ	ug/l	
Ethyl methacrylate		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,2,3-Trichloropropane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
trans-1,4-Dichloro-2-butene		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Isobutyl alcohol		200	R	ug/l		200	R	ug/l		200	R	ug/l		200	R	ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l		10	UJ	ug/l	
1,2-Dibromoethane		5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
1,4-Dioxane		200	R	ug/l		200	R	ug/l		200	R	ug/l		200	R	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7503009				M7503010				M7503011				M7513002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	26MW001S				26MW001SD				26MW002S				26MW003S			
Collect Date:	12-JUL-94				12-JUL-94				12-JUL-94				13-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Acetonitrile	100	UJ	ug/l		100	UJ	ug/l		100	UJ	ug/l		100	UJ	ug/l	
Chloroprene	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Methacrylonitrile	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Methyl methacrylate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachloroethane	10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l	
Propionitrile	100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100
Vinyl acetate	10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number: M7490009
Site RFADATA
Locator 26MW004S
Collect Date: 10-JUL-94

		VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/l				
Chloromethane		10	U	ug/l	10
Bromomethane		10	U	ug/l	10
Vinyl chloride		10	U	ug/l	10
Chloroethane		10	U	ug/l	10
Methylene chloride		5	U	ug/l	5
Acetone		10	UJ	ug/l	
Carbon disulfide		5	UJ	ug/l	
1,1-Dichloroethane		5	UJ	ug/l	
1,1-Dichloroethene		5	U	ug/l	5
1,2-Dichloroethene (total)		5	U	ug/l	5
Chloroform		5	U	ug/l	5
1,2-Dichloroethane		5	UJ	ug/l	
2-Butanone		10	U	ug/l	10
1,1,1-Trichloroethane		5	U	ug/l	5
Carbon tetrachloride		5	U	ug/l	5
Bromodichloromethane		5	U	ug/l	5
1,2-Dichloropropane		5	U	ug/l	5
cis-1,3-Dichloropropene		5	U	ug/l	5
Trichloroethene		5	U	ug/l	5
Dibromochloromethane		5	U	ug/l	5
1,1,2-Trichloroethane		5	U	ug/l	5
Benzene		5	U	ug/l	5
trans-1,3-Dichloropropene		5	U	ug/l	5
Bromoform		5	U	ug/l	5
4-Methyl-2-pentanone		10	UJ	ug/l	
2-Hexanone		10	UJ	ug/l	
Tetrachloroethene		5	U	ug/l	5
1,1,2,2-Tetrachloroethane		5	U	ug/l	5
Toluene		5	U	ug/l	5
Chlorobenzene		5	U	ug/l	5
Ethylbenzene		5	U	ug/l	5
Styrene		5	U	ug/l	5
Xylenes (total)		5	U	ug/l	5
Trichlorofluoromethane		5	UJ	ug/l	
1,3-Dichlorobenzene		10	U	ug/l	10
Acrolein		100	U	ug/l	100
Iodomethane		10	UJ	ug/l	
1,4-Dichlorobenzene		10	U	ug/l	10
Acrylonitrile		100	U	ug/l	100
Dibromomethane		5	U	ug/l	5

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number: M7490009
Site RFADATA
Locator 26MW004S
Collect Date: 10-JUL-94

	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	10	U	ug/l	10
2-Chloroethylvinylether	10	UJ	ug/l	
Ethyl methacrylate	5	U	ug/l	5
1,2,3-Trichloropropane	5	U	ug/l	5
trans-1,4-Dichloro-2-butene	5	U	ug/l	5
Isobutyl alcohol	200	R	ug/l	
1,1,1,2-Tetrachloroethane	5	U	ug/l	5
1,2-Dibromo-3-chloropropane	10	U	ug/l	10
1,2-Dibromoethane	5	U	ug/l	5
1,4-Dioxane	200	R	ug/l	
3-Chloropropene	5	UJ	ug/l	
Acetonitrile	100	UJ	ug/l	
Chloroprene	-		ug/l	
Methacrylonitrile	5	U	ug/l	5
Methyl methacrylate	10	U	ug/l	10
Pentachloroethane	10	UJ	ug/l	
Propionitrile	100	U	ug/l	100
Vinyl acetate	10	UJ	ug/l	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7503009				M7503010				M7503011				M7513002			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		26MW001S				26MW001SD				26MW002S				26MW003S			
Collect Date:		12-JUL-94				12-JUL-94				12-JUL-94				13-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/l																
N-Nitrosodimethylamine		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Phenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Aniline		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
bis (2-Chloroethyl) ether		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
1,3-Dichlorobenzene		10	UJ	ug/l		10	U	ug/l	10	5	U	ug/l	5	10	U	ug/l	10
1,4-Dichlorobenzene		5	U	ug/l	5	10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Benzyl Alcohol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2-Dichlorobenzene		10	UJ	ug/l		5	U	ug/l	5	5	U	ug/l	5	10	U	ug/l	10
2-Methylphenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Chloroisopropyl)ether		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
N-Nitroso-di-n-propylamine		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Hexachloroethane		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Nitrobenzene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Isophorone		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
2-Nitrophenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2,4-Dimethylphenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzoic acid		50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l	
bis(2-Chloroethoxy)methane		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
2,4-Dichlorophenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,2,4-Trichlorobenzene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Naphthalene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
4-Chloroaniline		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Hexachlorobutadiene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
4-Chloro-3-methylphenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Methylnaphthalene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Hexachlorocyclopentadiene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
2,4,6-Trichlorophenol		10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dimethylphthalate		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
2,4,5-Trichlorophenol		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2-Chloronaphthalene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
2-Nitroaniline		50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
Acenaphthylene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
2,6-Dinitrotoluene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
3-Nitroaniline		50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
Acenaphthene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
2,4-Dinitrophenol		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
4-Nitrophenol		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Dibenzofuran		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
2,4-Dinitrotoluene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Diethylphthalate		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
4-Chlorophenyl-phenylether		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Fluorene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
4-Nitroaniline		50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
4,6-Dinitro-2-methylphenol		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
N-Nitrosodiphenylamine (1)		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
1,2-Diphenylhydrazine		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
4-Bromophenyl-phenylether		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Hexachlorobenzene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Pentachlorophenol		50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Phenanthrene		10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7503009				M7503010				M7503011				M7513002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	26MW001S				26MW001SD				26MW002S				26MW003S			
Collect Date:	12-JUL-94				12-JUL-94				12-JUL-94				13-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Di-n-Butylphthalate	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		2	J	ug/l	
Fluoranthene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Pyrene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Butylbenzylphthalate	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
3,3'-Dichlorobenzidine	20	UJ	ug/l		20	U	ug/l	20	20	UJ	ug/l		20	U	ug/l	20
Benzo(a)anthracene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Chrysene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
bis(2-Ethylhexyl)phthalate	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		1	J	ug/l	
Di-n-octylphthalate	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Benzo(b)fluoranthene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Benzo(k)fluoranthene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Benzo(a)pyrene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Indeno(1,2,3-cd)pyrene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Dibenz(a,h)anthracene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Benzo(g,h,i)perylene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
2-Picoline	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
Methyl methanesulfonate	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Ethyl methanesulfonate	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Acetophenone	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
N-Nitrosopiperidine	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Phenyl-tert-butylamine	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
2,6-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
N-Nitrosodiethylamine	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
N-Nitrosopyrrolidine	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Benzidine	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
Pentachlorobenzene	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
1-Naphthylamine	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
2-Naphthylamine	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Phenacetin	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
4-Aminobiphenyl	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
Pentachloronitrobenzene	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
Pronamide	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
p-(Dimethylamino)azobenzene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
3-Methylcholanthrene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Pyridine	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
N-Nitrosomethylethylamine	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
N-Nitrosomorpholine	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
o-Toluidine	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Hexachloropropene	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
p-Phenylenediamine	500	UJ	ug/l		500	U	ug/l	500	500	UJ	ug/l		500	U	ug/l	500
Safrole	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
Isosafrole	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
1,4-Naphthoquinone	1000	UJ	ug/l		1000	U	ug/l	1000	1000	UJ	ug/l		1000	U	ug/l	1000
1,3-Dinitrobenzene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
5-Nitro-o-toluidine	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
1,3,5-Trinitrobenzene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
4-Nitroquinoline-1-oxide	500	UJ	ug/l		500	U	ug/l	500	500	UJ	ug/l		500	UJ	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7503009				M7503010				M7503011				M7513002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	26MW001S				26MW001SD				26MW002S				26MW003S			
Collect Date:	12-JUL-94				12-JUL-94				12-JUL-94				13-JUL-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
3,3'-Dimethylbenzidine	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10
Hexachlorophene	500	UJ	ug/l		500	U	ug/l	500	500	UJ	ug/l		500	R	ug/l	
Aramite	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3- & 4-Methylphenol (2)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Diphenylamine	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene	50	UJ	ug/l		50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50
2-Acetylaminofluorene	10	UJ	ug/l		10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7490009			
Site		RFADATA			
Locator		26MW004S			
Collect Date:		10-JUL-94			
		VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/l				
N-Nitrosodimethylamine		10	U	ug/l	10
Phenol		10	U	ug/l	10
Aniline		10	UJ	ug/l	
bis (2-Chloroethyl) ether		10	U	ug/l	10
1,3-Dichlorobenzene		10	U	ug/l	10
1,4-Dichlorobenzene		10	U	ug/l	10
Benzyl Alcohol		10	U	ug/l	10
1,2-Dichlorobenzene		10	U	ug/l	10
2-Methylphenol		10	U	ug/l	10
bis(2-Chloroisopropyl)ether		10	U	ug/l	10
N-Nitroso-di-n-propylamine		10	U	ug/l	10
Hexachloroethane		10	U	ug/l	10
Nitrobenzene		10	U	ug/l	10
Isophorone		10	U	ug/l	10
2-Nitrophenol		10	U	ug/l	10
2,4-Dimethylphenol		10	U	ug/l	10
Benzoic acid		50	U	ug/l	50
bis(2-Chloroethoxy)methane		10	U	ug/l	10
2,4-Dichlorophenol		10	U	ug/l	10
1,2,4-Trichlorobenzene		10	U	ug/l	10
Naphthalene		10	U	ug/l	10
4-Chloroaniline		10	UJ	ug/l	
Hexachlorobutadiene		10	U	ug/l	10
4-Chloro-3-methylphenol		10	U	ug/l	10
2-Methylnaphthalene		10	U	ug/l	10
Hexachlorocyclopentadiene		10	U	ug/l	10
2,4,6-Trichlorophenol		10	U	ug/l	10
Dimethylphthalate		10	U	ug/l	10
2,4,5-Trichlorophenol		50	U	ug/l	50
2-Chloronaphthalene		10	U	ug/l	10
2-Nitroaniline		50	U	ug/l	50
Acenaphthylene		10	U	ug/l	10
2,6-Dinitrotoluene		10	U	ug/l	10
3-Nitroaniline		50	U	ug/l	50
Acenaphthene		10	U	ug/l	10
2,4-Dinitrophenol		50	U	ug/l	50
4-Nitrophenol		50	U	ug/l	50
Dibenzofuran		10	U	ug/l	10
2,4-Dinitrotoluene		10	U	ug/l	10
Diethylphthalate		10	U	ug/l	10

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7490009			
Site	RFADATA			
Locator	26MW004S			
Collect Date:	10-JUL-94			
	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	10	U	ug/l	10
Fluorene	10	U	ug/l	10
4-Nitroaniline	50	U	ug/l	50
4,6-Dinitro-2-methylphenol	50	U	ug/l	50
N-Nitrosodiphenylamine (1)	10	U	ug/l	10
1,2-Diphenylhydrazine	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10
Pentachlorophenol	50	U	ug/l	50
Phenanthrene	10	U	ug/l	10
Anthracene	10	U	ug/l	10
Di-n-Butylphthalate	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10
Pyrene	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10
3,3'-Dichlorobenzidine	20	U	ug/l	20
Benzo(a)anthracene	10	U	ug/l	10
Chrysene	10	U	ug/l	10
bis(2-Ethylhexyl)phthalate	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10
Benzo(b)fluoranthene	10	U	ug/l	10
Benzo(k)fluoranthene	10	U	ug/l	10
Benzo(a)pyrene	10	U	ug/l	10
Indeno(1,2,3-cd)pyrene	10	UJ	ug/l	
Dibenz(a,h)anthracene	10	UJ	ug/l	
Benzo(g,h,i)perylene	10	UJ	ug/l	
2-Picoline	50	U	ug/l	50
Methyl methanesulfonate	10	U	ug/l	10
Ethyl methanesulfonate	10	U	ug/l	10
Acetophenone	10	U	ug/l	10
N-Nitrosopiperidine	10	U	ug/l	10
Phenyl-tert-butylamine	50	U	ug/l	50
2,6-Dichlorophenol	10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	U	ug/l	10
N-Nitrosodiethylamine	10	U	ug/l	10
N-Nitrosopyrrolidine	10	U	ug/l	10
Benzidine	50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50
Pentachlorobenzene	50	U	ug/l	50
1-Naphthylamine	50	U	ug/l	50
2-Naphthylamine	50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10
Phenacetin	10	U	ug/l	10
4-Aminobiphenyl	50	UJ	ug/l	
Pentachloronitrobenzene	50	U	ug/l	50
Pronamide	10	U	ug/l	10
p-(Dimethylamino)azobenzene	10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10
3-Methylcholanthrene	10	UJ	ug/l	
Pyridine	50	U	ug/l	50
N-Nitrosomethylethylamine	10	U	ug/l	10
N-Nitrosomorpholine	10	U	ug/l	10

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7490009			
Site	RFADATA			
Locator	26MW004S			
Collect Date:	10-JUL-94			
	VALUE	QUAL	UNITS	DL
o-Toluidine	10	U	ug/l	10
Hexachloropropene	50	U	ug/l	50
p-Phenylenediamine	500	U	ug/l	500
Safrole	50	U	ug/l	50
Isosafrole	50	U	ug/l	50
1,4-Naphthoquinone	1000	UJ	ug/l	
1,3-Dinitrobenzene	10	U	ug/l	10
5-Nitro-o-toluidine	10	U	ug/l	10
1,3,5-Trinitrobenzene	10	U	ug/l	10
4-Nitroquinoline-1-oxide	500	UJ	ug/l	
Methapyrilene	50	UJ	ug/l	
3,3'-Dimethylbenzidine	10	U	ug/l	10
Hexachlorophene	500	R	ug/l	
Aramite	50	U	ug/l	50
2-Chlorophenol	10	U	ug/l	10
3- & 4-Methylphenol (2)	10	U	ug/l	10
4-Methylphenol	-		ug/l	
Diphenylamine	-		ug/l	
Hexachloropropene	50	U	ug/l	50
2-Acetylaminofluorene	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7503009				M7503010				M7503011				M7513002			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		26MW001S				26MW001SD				26MW002S				26MW003S			
Collect Date:		12-JUL-94				12-JUL-94				12-JUL-94				13-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080)	ug/l																
alpha-BHC		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
beta-BHC		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
delta-BHC		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
gamma-BHC (Lindane)		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Heptachlor		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Aldrin		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Heptachlor epoxide		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Endosulfan I		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Dieldrin		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
4,4-DDE		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Endrin		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Endosulfan II		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
4,4-DDD		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Endosulfan sulfate		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
4,4-DDT		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Methoxychlor		.08	U	ug/l	.08	.08	U	ug/l	.08	.08	U	ug/l	.08	.08	U	ug/l	.08
Endrin aldehyde		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Endrin ketone		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Chlordane		.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Chlorobenzilate		.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Diallate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toxaphene		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Isodrin		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Kepone		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1016		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221		2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232		2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1242		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254		.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Aroclor-1260		.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5

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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7490009
Site	RFADATA
Locator	26MW004S
Collect Date:	10-JUL-94

		VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080)	ug/l				
alpha-BHC		.02	U	ug/l	.02
beta-BHC		.04	U	ug/l	.04
delta-BHC		.02	U	ug/l	.02
gamma-BHC (Lindane)		.02	U	ug/l	.02
Heptachlor		.02	U	ug/l	.02
Aldrin		.02	U	ug/l	.02
Heptachlor epoxide		.02	U	ug/l	.02
Endosulfan I		.02	U	ug/l	.02
Dieldrin		.02	U	ug/l	.02
4,4-DDE		.02	U	ug/l	.02
Endrin		.04	U	ug/l	.04
Endosulfan II		.04	U	ug/l	.04
4,4-DDD		.04	U	ug/l	.04
Endosulfan sulfate		.04	U	ug/l	.04
4,4-DDT		.04	U	ug/l	.04
Methoxychlor		.08	U	ug/l	.08
Endrin aldehyde		.04	U	ug/l	.04
Endrin ketone		.04	U	ug/l	.04
Chlordane		.2	U	ug/l	.2
Chlorobenzilate		.5	U	ug/l	.5
Dialiate		1	U	ug/l	1
Toxaphene		1	U	ug/l	1
Isodrin		.02	U	ug/l	.02
Kepone		1	U	ug/l	1
Aroclor-1016		1	U	ug/l	1
Aroclor-1221		2	U	ug/l	2
Aroclor-1232		2	U	ug/l	2
Aroclor-1242		1	U	ug/l	1
Aroclor-1248		1	U	ug/l	1
Aroclor-1254		.5	U	ug/l	.5
Aroclor-1260		.5	U	ug/l	.5

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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7504011				R8820014				M7504012				R8820015			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	26MW001S				26MW001S				26MW001SD				26MW001SD			
Collect Date:	12-JUL-94				28-SEP-94				12-JUL-94				28-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG WATER METALS ug/l																
Antimony	2.2	U	ug/l	2.2	-		ug/l		2.2	U	ug/l	2.2	-		ug/l	
Arsenic	1.1	J	ug/l		-		ug/l		.9	U	ug/l	.9	-		ug/l	
Barium	25.7	J	ug/l		-		ug/l		25.8	J	ug/l		-		ug/l	
Beryllium	.18	U	ug/l	.18	-		ug/l		.18	U	ug/l	.18	-		ug/l	
Cadmium	3	U	ug/l	3	-		ug/l		3	U	ug/l	3	-		ug/l	
Calcium	246000		ug/l		-		ug/l		267000		ug/l		-		ug/l	
Chromium	2.34	U	ug/l	2.34	-		ug/l		2.34	U	ug/l	2.34	-		ug/l	
Cobalt	2.7	U	ug/l	2.7	-		ug/l		2.7	U	ug/l	2.7	-		ug/l	
Copper	4.29	U	ug/l	4.29	-		ug/l		4.29	U	ug/l	4.29	-		ug/l	
Cyanide	-		ug/l		2.7	UJ	ug/l		-		ug/l		2.7	UJ	ug/l	
Iron	89.8	J	ug/l		-		ug/l		324	J	ug/l		-		ug/l	
Lead	4.7	U	ug/l	4.7	-		ug/l		6.2		ug/l		-		ug/l	
Magnesium	186000		ug/l		-		ug/l		180000		ug/l		-		ug/l	
Manganese	163	J	ug/l		-		ug/l		251	J	ug/l		-		ug/l	
Mercury	.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08	-		ug/l	
Nickel	7.3	U	ug/l	7.3	-		ug/l		7.3	U	ug/l	7.3	-		ug/l	
Selenium	13.2	UJ	ug/l		-		ug/l		2.6	J	ug/l		-		ug/l	
Silver	2.1	U	ug/l	2.1	-		ug/l		2.1	U	ug/l	2.1	-		ug/l	
Sodium	1740000	J	ug/l		-		ug/l		1620000	J	ug/l		-		ug/l	
Thallium	1.4	J	ug/l		-		ug/l		1.3	UJ	ug/l		-		ug/l	
Tin	9.4	U	ug/l	9.4	-		ug/l		9.4	U	ug/l	9.4	-		ug/l	
Vanadium	1.7	U	ug/l	1.7	-		ug/l		1.7	U	ug/l	1.7	-		ug/l	
Zinc	7.3	U	ug/l	7.3	-		ug/l		7.3	U	ug/l	7.3	-		ug/l	

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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7504013				R8820016				M7514002				M7491009			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		26MW002S				26MW002S				26MW003S				26MW004S			
Collect Date:		12-JUL-94				28-SEP-94				13-JUL-94				10-JUL-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG WATER METALS	ug/l																
Antimony		2.2	U	ug/l	2.2	-		ug/l		5.2		ug/l		22.3	UJ	ug/l	
Arsenic		.9	U	ug/l	.9	-		ug/l		.9	U	ug/l	.9	.9	UJ	ug/l	
Barium		18.3	J	ug/l		-		ug/l		15	J	ug/l		23.6	J	ug/l	
Beryllium		.18	U	ug/l	.18	-		ug/l		.18	U	ug/l	.18	.18	U	ug/l	.18
Cadmium		3	U	ug/l	3	-		ug/l		3	U	ug/l	3	3	U	ug/l	3
Calcium		183000		ug/l		-		ug/l		113000	J	ug/l		224000		ug/l	
Chromium		2.34	U	ug/l	2.34	-		ug/l		2	U	ug/l	2	2.09	U	ug/l	2.09
Cobalt		2.7	U	ug/l	2.7	-		ug/l		2.7	U	ug/l	2.7	2.7	U	ug/l	2.7
Copper		4.29	U	ug/l	4.29	-		ug/l		5.4	U	ug/l	5.4	4	U	ug/l	4
Cyanide		-		ug/l		2.7	UJ	ug/l		.81	U	ug/l	.81	.81	U	ug/l	.81
Iron		1320	J	ug/l		-		ug/l		487		ug/l		44	J	ug/l	
Lead		2.2	U	ug/l	2.2	-		ug/l		2.2	J	ug/l		2.9	U	ug/l	2.9
Magnesium		154000		ug/l		-		ug/l		355000		ug/l		330000		ug/l	
Manganese		313	J	ug/l		-		ug/l		310	J	ug/l		215		ug/l	
Mercury		.08	U	ug/l	.08	-		ug/l		.08	U	ug/l	.08	.08	U	ug/l	.08
Nickel		7.3	U	ug/l	7.3	-		ug/l		7.3	U	ug/l	7.3	7.3	U	ug/l	7.3
Selenium		13.2	UJ	ug/l		-		ug/l		13.2	UJ	ug/l		13.2	UJ	ug/l	
Silver		2.1	U	ug/l	2.1	-		ug/l		2.1	U	ug/l	2.1	2.3	U	ug/l	2.3
Sodium		1280000	J	ug/l		-		ug/l		3260000		ug/l		3240000		ug/l	
Thallium		1.3	U	ug/l	1.3	-		ug/l		1.3	UJ	ug/l		1.3	UJ	ug/l	
Tin		9.4	U	ug/l	9.4	-		ug/l		9.4	U	ug/l	9.4	9.4	U	ug/l	9.4
Vanadium		1.7	U	ug/l	1.7	-		ug/l		1.7	U	ug/l	1.7	1.7	U	ug/l	1.7
Zinc		7.3	U	ug/l	7.3	-		ug/l		5	J	ug/l		4.2	U	ug/l	4.2

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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		R8811004		
Site		RFADATA		
Locator		26MW004S		
Collect Date:		26-SEP-94		
	VALUE	QUAL	UNITS	DL
BKG WATER METALS	ug/l			
Antimony		-	ug/l	
Arsenic		-	ug/l	
Barium		-	ug/l	
Beryllium		-	ug/l	
Cadmium		-	ug/l	
Calcium		-	ug/l	
Chromium		-	ug/l	
Cobalt		-	ug/l	
Copper		-	ug/l	
Cyanide		2.7 UJ	ug/l	
Iron		-	ug/l	
Lead		-	ug/l	
Magnesium		-	ug/l	
Manganese		-	ug/l	
Mercury		-	ug/l	
Nickel		-	ug/l	
Selenium		-	ug/l	
Silver		-	ug/l	
Sodium		-	ug/l	
Thallium		-	ug/l	
Tin		-	ug/l	
Vanadium		-	ug/l	
Zinc		-	ug/l	

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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7505007			M7515002			M7492007		
Site		RFADATA			RFADATA			RFADATA		
Locator		26MW001S			26MW003S			26MW004S		
Collect Date:		12-JUL-94			13-JUL-94			10-JUL-94		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
GROUND WATER QUALITY	ug/l									
Alkalinity as CaCO3		950000	ug/l		780000	ug/l		866000	ug/l	
Ammonia-N		6200	ug/l		13700	ug/l		6900	ug/l	
Chloride		3470000	ug/l		6740000	ug/l		5660000	ug/l	
Hardness as CaCO3		1530000	ug/l		2030000	ug/l		1890000	ug/l	
Nitrate/Nitrite-N		130	ug/l		100 U	ug/l	100	100 U	ug/l	100
Oil and Grease		5000 U	ug/l	5000	580D	ug/l		5000 U	ug/l	5000
Phosphorous-P, Total		2240	ug/l		1730	ug/l		960	ug/l	
Sulfate		181000	ug/l		1000 U	ug/l	1000	87200	ug/l	
Sulfide		3500	ug/l		1000	ug/l		18500	ug/l	
Total Dissolved Solids		6310000	ug/l		10300000	ug/l		9810000	ug/l	
Total Kjeldahl Nitrogen		9700	ug/l		16300	ug/l		9700	ug/l	
Total Organic Carbon		20600	ug/l		28200	ug/l		20000	ug/l	
COLOR	APHA									
Color		70	APHA		50	APHA		50	APHA	
pH	units									
pH		6.9	units		7	units		10.4	units	
TOTAL PETROLEUM HYDROCARBONS	mg/l									
Total petroleum hydrocarbon		-	mg/l		-	mg/l		-	mg/l	

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THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		R8228001				R8215001				R8228004				R8608003			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		02MW009S				02MW010S				02MW010S				02MW013S			
Collect Date:		21-JUN-94				16-JUN-94				21-JUN-94				24-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/l																
Chloromethane		10	UJ	ug/l		-		ug/l		10	UJ	ug/l		10	U	ug/l	10
Bromomethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Vinyl chloride		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Chloroethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Methylene chloride		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Acetone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	UJ	ug/l	
Carbon disulfide		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,1-Dichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,1-Dichloroethene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloroethene (total)		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Chloroform		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloroethane		5	UJ	ug/l		-		ug/l		5	UJ	ug/l		5	U	ug/l	5
2-Butanone		10	R	ug/l		-		ug/l		10	R	ug/l		10	R	ug/l	
1,1,1-Trichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Carbon tetrachloride		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Bromodichloromethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,2-Dichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
cis-1,3-Dichloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Trichloroethene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Dibromochloromethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,1,2-Trichloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Benzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
trans-1,3-Dichloropropene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Bromoform		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
4-Methyl-2-pentanone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Hexanone		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Tetrachloroethene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,1,2,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Toluene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Chlorobenzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Ethylbenzene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Styrene		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Xylenes (total)		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Trichlorofluoromethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,3-Dichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	5	U	ug/l	5	10	U	ug/l	10
Acrolein		100	R	ug/l		-		ug/l		100	R	ug/l		100	U	ug/l	100
Iodomethane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
1,4-Dichlorobenzene		5	U	ug/l	5	10	U	ug/l	10	5	U	ug/l	5	5	U	ug/l	5
Acrylonitrile		100	U	ug/l	100	-		ug/l		100	U	ug/l	100	100	U	ug/l	100
Dibromomethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,2-Dichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	5	U	ug/l	5	10	U	ug/l	10
2-Chloroethylvinylether		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10
Ethyl methacrylate		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,2,3-Trichloropropane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
trans-1,4-Dichloro-2-butene		5	UJ	ug/l		-		ug/l		5	UJ	ug/l		5	U	ug/l	5
Isobutyl alcohol		200	R	ug/l		-		ug/l		200	R	ug/l		200	R	ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
1,2-Dibromo-3-chloropropane		10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	UJ	ug/l	
1,2-Dibromoethane		5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	UJ	ug/l	
1,4-Dioxane		200	R	ug/l		-		ug/l		200	R	ug/l		200	R	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8228001				R8215001				R8228004				R8608003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	02MW009S				02MW010S				02MW010S				02MW013S			
Collect Date:	21-JUN-94				16-JUN-94				21-JUN-94				24-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	U	ug/l	5
Acetonitrile	100	U	ug/l	100	-		ug/l		100	U	ug/l	100	100	UJ	ug/l	
Chloroprene	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Methacrylonitrile	5	U	ug/l	5	-		ug/l		5	U	ug/l	5	5	UJ	ug/l	
Methyl methacrylate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	UJ	ug/l	
Pentachloroethane	10	UJ	ug/l		-		ug/l		10	UJ	ug/l		10	UJ	ug/l	
Propionitrile	100	U	ug/l	100	-		ug/l		100	U	ug/l	100	100	UJ	ug/l	
Vinyl acetate	10	U	ug/l	10	-		ug/l		10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		R8228001				R8215001				R8228004				R8608003		
Site		RFADATA				RFADATA				RFADATA				RFADATA		
Locator		02MW009S				02MW010S				02MW010S				02MW013S		
Collect Date:		21-JUN-94				16-JUN-94				21-JUN-94				24-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/l																
N-Nitrosodimethylamine		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Aniline		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
bis (2-Chloroethyl) ether		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,3-Dichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	5	U	ug/l	5	10	U	ug/l	10
1,4-Dichlorobenzene		5	U	ug/l	5	10	U	ug/l	10	5	U	ug/l	5	5	U	ug/l	5
Benzyl Alcohol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,2-Dichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	5	U	ug/l	5	10	U	ug/l	10
2-Methylphenol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
bis(2-Chloroisopropyl)ether		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitroso-di-n-propylamine		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachloroethane		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Nitrobenzene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Isophorone		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2-Nitrophenol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dimethylphenol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzoic acid		50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
bis(2-Chloroethoxy)methane		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dichlorophenol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,2,4-Trichlorobenzene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Naphthalene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Chloroaniline		10	UJ	ug/l		10	UJ	ug/l		-		ug/l		10	U	ug/l	10
Hexachlorobutadiene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Chloro-3-methylphenol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2-Methylnaphthalene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorocyclopentadiene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4,6-Trichlorophenol		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Dimethylphthalate		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4,5-Trichlorophenol		50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Chloronaphthalene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2-Nitroaniline		50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Acenaphthylene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,6-Dinitrotoluene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3-Nitroaniline		50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Acenaphthene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrophenol		50	UJ	ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4-Nitrophenol		50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	UJ	ug/l	
Dibenzofuran		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2,4-Dinitrotoluene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Diethylphthalate		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Chlorophenyl-phenylether		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluorene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Nitroaniline		50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
4,6-Dinitro-2-methylphenol		50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
N-Nitrosodiphenylamine (1)		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,2-Diphenylhydrazine		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Bromophenyl-phenylether		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorobenzene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pentachlorophenol		50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Phenanthrene		10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8228001				R8215001				R8228004				R8608003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	02MW009S				02MW010S				02MW010S				02MW013S			
Collect Date:	21-JUN-94				16-JUN-94				21-JUN-94				24-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-Butylphthalate	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3,3'-Dichlorobenzidine	20	U	ug/l	20	20	U	ug/l	20	-		ug/l		20	U	ug/l	20
Benzo(a)anthracene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
bis(2-Ethylhexyl)phthalate	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo(b)fluoranthene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo(k)fluoranthene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo(a)pyrene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Indeno(1,2,3-cd)pyrene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Dibenz(a,h)anthracene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzo(g,h,i)perylene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
2-Picoline	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Methyl methanesulfonate	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Ethyl methanesulfonate	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Acetophenone	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopiperidine	10	UJ	ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenyl-tert-butylamine	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,6-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosodiethylamine	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosopyrrolidine	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Benzidine	50	UJ	ug/l		50	UJ	ug/l		-		ug/l		50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachlorobenzene	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1-Naphthylamine	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Naphthylamine	50	UJ	ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Phenacetin	10	UJ	ug/l		10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Aminobiphenyl	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pentachloronitrobenzene	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Pronamide	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
p-(Dimethylamino)azobenzene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3-Methylcholanthrene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Pyridine	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
N-Nitrosomethylethylamine	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
N-Nitrosomorpholine	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
o-Toluidine	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachloropropene	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
p-Phenylenediamine	500	U	ug/l	500	500	U	ug/l	500	-		ug/l		500	UJ	ug/l	
Safrole	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
Isosafrole	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
1,4-Naphthoquinone	1000	U	ug/l	1000	1000	U	ug/l	1000	-		ug/l		1000	U	ug/l	1000
1,3-Dinitrobenzene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
5-Nitro-o-toluidine	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
1,3,5-Trinitrobenzene	10	UJ	ug/l		10	U	ug/l	10	-		ug/l		10	UJ	ug/l	
4-Nitroquinoline-1-oxide	500	UJ	ug/l		500	U	ug/l	500	-		ug/l		500	R	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8228001				R8215001				R8228004				R8608003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	02MW009S				02MW010S				02MW010S				02MW013S			
Collect Date:	21-JUN-94				16-JUN-94				21-JUN-94				24-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	50	UJ	ug/l		50	U	ug/l	50	-		ug/l		50	U	ug/l	50
3,3'-Dimethylbenzidine	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
Hexachlorophene	500	R	ug/l		500	UJ	ug/l		-		ug/l		500	R	ug/l	
Aramite	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
3- & 4-Methylphenol (2)	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10
4-Methylphenol	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Diphenylamine	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene	50	U	ug/l	50	50	U	ug/l	50	-		ug/l		50	U	ug/l	50
2-Acetylaminofluorene	10	U	ug/l	10	10	U	ug/l	10	-		ug/l		10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		R8228001			R8215001			R8608003		
Site		RFADATA			RFADATA			RFADATA		
Locator		02MW009S			02MW010S			02MW013S		
Collect Date:		21-JUN-94			16-JUN-94			24-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080)	ug/l									
alpha-BHC		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
beta-BHC		.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
delta-BHC		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
gamma-BHC (Lindane)		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Heptachlor		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Aldrin		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Heptachlor epoxide		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Endosulfan I		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Dieldrin		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
4,4-DDE		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Endrin		.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Endosulfan II		.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
4,4-DDD		.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Endosulfan sulfate		.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
4,4-DDT		.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Methoxychlor		.08 U	ug/l	.08	.08 U	ug/l	.08	.08 U	ug/l	.08
Endrin aldehyde		.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Endrin ketone		.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Chlordane		.2 U	ug/l	.2	.2 U	ug/l	.2	.2 U	ug/l	.2
Chlorobenzilate		.5 U	ug/l	.5	.5 U	ug/l	.5	.5 U	ug/l	.5
Diallate		1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Toxaphene		1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Isodrin		.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Kepone		1 U	ug/l	1	1 U	ug/l	1	1 UJ	ug/l	
Aroclor-1016		1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Aroclor-1221		2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Aroclor-1232		2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Aroclor-1242		1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Aroclor-1248		1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Aroclor-1254		.5 U	ug/l	.5	.5 U	ug/l	.5	.5 U	ug/l	.5
Aroclor-1260		.5 U	ug/l	.5	.5 U	ug/l	.5	.5 U	ug/l	.5

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8229001				R8218001				R8609004			
Site	RFADATA				RFADATA				RFADATA			
Locator	02MW009S				02MW010S				02MW013S			
Collect Date:	21-JUN-94				16-JUN-94				24-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG WATER METALS ug/l												
Antimony	50	UJ	ug/l		50	UJ	ug/l		5	U	ug/l	5
Arsenic	6	UJ	ug/l		6	UJ	ug/l		.9	J	ug/l	
Barium	8.5	J	ug/l		25.2	J	ug/l		18.1	J	ug/l	
Beryllium	.3	U	ug/l	.3	.3	U	ug/l	.3	.3	U	ug/l	.3
Cadmium	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Calcium	65900		ug/l		121000		ug/l		134000		ug/l	
Chromium	2.6	U	ug/l	2.6	2.6	U	ug/l	2.6	2.6	U	ug/l	2.6
Cobalt	3.1	U	ug/l	3.1	3.1	U	ug/l	3.1	3.1	U	ug/l	3.1
Copper	.9	U	ug/l	.9	4.4	J	ug/l		.9	U	ug/l	.9
Cyanide	2.7	U	ug/l	2.7	3.2	J	ug/l		2.7	U	ug/l	2.7
Iron	655	J	ug/l		530	J	ug/l		448		ug/l	
Lead	6	UJ	ug/l		6	UJ	ug/l		6	UJ	ug/l	
Magnesium	207000		ug/l		219000		ug/l		110000		ug/l	
Manganese	85.3	J	ug/l		86.5	J	ug/l		149		ug/l	
Mercury	.1	UJ	ug/l		.1	UJ	ug/l		.5	UJ	ug/l	
Nickel	5.9	U	ug/l	5.9	8.6	J	ug/l		5.9	U	ug/l	5.9
Selenium	6	UJ	ug/l		30	UJ	ug/l		30	UJ	ug/l	
Silver	2.1	U	ug/l	2.1	2.1	U	ug/l	2.1	2.1	U	ug/l	2.1
Sodium	2040000		ug/l		2010000		ug/l		1760000		ug/l	
Thallium	6	UJ	ug/l		30	UJ	ug/l		.6	U	ug/l	.6
Tin	8	U	ug/l	8	8	U	ug/l	8	8	U	ug/l	8
Vanadium	2.9	J	ug/l		8.9	J	ug/l		4.1	J	ug/l	
Zinc	39		ug/l		4.6	U	ug/l	4.6	2.4	J	ug/l	

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		R8230001				R8217001				R8607003			
Site		RFADATA				RFADATA				RFADATA			
Locator		02MW009S				02MW010S				02MW013S			
Collect Date:		21-JUN-94				16-JUN-94				24-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
GROUND WATER QUALITY	mg/l												
Alkalinity as CaCO3		844		mg/l		708		mg/l		429		mg/l	
Ammonia-N		16.1		mg/l		19.6		mg/l		7.8		mg/l	
Chloride		3400		mg/l		4840		mg/l		2110		mg/l	
Hardness as CaCO3		-		mg/l		1615		mg/l		-		mg/l	
Nitrate/Nitrite-N		.5	U	mg/l	.5	.5	U	mg/l	.5	.1	U	mg/l	.1
Oil and Grease		10	U	mg/l	10	10	U	mg/l	10	5	U	mg/l	5
Phosphorous-P, Total		1.19		mg/l		-		mg/l		3.09		mg/l	
Sulfate		24.1		mg/l		273		mg/l		253		mg/l	
Sulfide		20	U	mg/l	20	10.6		mg/l		8		mg/l	
Total Dissolved Solids		-		mg/l		9180		mg/l		-		mg/l	
Total Kjeldahl Nitrogen		17.2		mg/l		20.2		mg/l		12		mg/l	
Total Organic Carbon		14.8		mg/l		36		mg/l		19.1		mg/l	
COLOR	APHA												
Color		30		APHA		40		APHA		30		APHA	
pH	units												
pH		7.12		units		7.47		units		7.44		units	
TOTAL PETROLEUM HYDROCARBONS	mg/l												
Total petroleum hydrocarbon		-		mg/l		-		mg/l		-		mg/l	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		M7645002			M7645001			M7645004			M7645003		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		49SW009			49SW010			49SW011			49SW012		
Collect Date:		02-AUG-94			02-AUG-94			02-AUG-94			02-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/l												
Chloromethane		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Bromomethane		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Vinyl chloride		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Chloroethane		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Methylene chloride		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Acetone		10 U	ug/l	10	13 U	ug/l	13	10 U	ug/l	10	10 U	ug/l	10
Carbon disulfide		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,1-Dichloroethane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,1-Dichloroethane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichloroethene (total)		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Chloroform		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichloroethane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
2-Butanone		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,1,1-Trichloroethane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Carbon tetrachloride		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Bromodichloromethane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichloropropane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
cis-1,3-Dichloropropene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Trichloroethene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Dibromochloromethane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,1,2-Trichloroethane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Benzene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
trans-1,3-Dichloropropene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Bromoform		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
4-Methyl-2-pentanone		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Hexanone		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Tetrachloroethene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,1,2,2-Tetrachloroethane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Toluene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Chlorobenzene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Ethylbenzene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Styrene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Xylenes (total)		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Trichlorofluoromethane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,3-Dichlorobenzene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Acrolein		100 U	ug/l	100	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Iodomethane		10 U	ug/l	10	100 U	ug/l	100	100 U	ug/l	100	100 U	ug/l	100
1,4-Dichlorobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Acrylonitrile		100 U	ug/l	100	10 U	ug/l	10	5 U	ug/l	5	10 U	ug/l	10
Dibromomethane		5 U	ug/l	5	100 U	ug/l	100	100 U	ug/l	100	100 U	ug/l	100
1,2-Dichlorobenzene		10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
2-Chloroethylvinylether		10 U	ug/l	10	10 U	ug/l	10	5 U	ug/l	5	10 U	ug/l	10
Ethyl methacrylate		5 U	ug/l	5	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2,3-Trichloropropane		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
trans-1,4-Dichloro-2-butene		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Isobutyl alcohol		200 U	ug/l	200	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,1,1,2-Tetrachloroethane		5 U	ug/l	5	200 U	ug/l	200	200 U	ug/l	200	200 U	ug/l	200
1,2-Dibromo-3-chloropropane		10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2-Dibromoethane		5 U	ug/l	5	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,4-Dioxane		200 R	ug/l		5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
					200 R	ug/l		200 R	ug/l		200 R	ug/l	

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	M7645002				M7645001				M7645004				M7645003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SW009				49SW010				49SW011				49SW012			
Collect Date:	02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Acetonitrile	100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100
Chloroprene	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Methacrylonitrile	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Methyl methacrylate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pentachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Propionitrile	100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100	100	U	ug/l	100
Vinyl acetate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Water Data

Lab Sample Number:		M7645002			M7645001			M7645004			M7645003		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		49SW009			49SW010			49SW011			49SW012		
Collect Date:		02-AUG-94			02-AUG-94			02-AUG-94			02-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/l												
N-Nitrosodimethylamine		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Phenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Aniline		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis (2-Chloroethyl) ether		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,3-Dichlorobenzene		5 U	ug/l	5	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,4-Dichlorobenzene		10 U	ug/l	10	10 U	ug/l	10	5 U	ug/l	5	10 U	ug/l	10
Benzyl Alcohol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2-Dichlorobenzene		10 U	ug/l	10	10 U	ug/l	10	5 U	ug/l	5	10 U	ug/l	10
2-Methylphenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroisopropyl)ether		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
N-Nitroso-di-n-propylamine		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachloroethane		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Nitrobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Isophorone		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitrophenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dimethylphenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Benzoic acid		50 R	ug/l		50 R	ug/l		50 R	ug/l		50 R	ug/l	
bis(2-Chloroethoxy)methane		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dichlorophenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2,4-Trichlorobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Naphthalene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloroaniline		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobutadiene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloro-3-methylphenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylnaphthalene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorocyclopentadiene		10 UJ	ug/l		10 UJ	ug/l		10 UJ	ug/l		10 UJ	ug/l	
2,4,6-Trichlorophenol		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Dimethylphthalate		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,5-Trichlorophenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2-Chloronaphthalene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitroaniline		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Acenaphthylene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,6-Dinitrotoluene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
3-Nitroaniline		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Acenaphthene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrophenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4-Nitrophenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Dibenzofuran		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrotoluene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Diethylphthalate		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chlorophenyl-phenylether		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluorene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Nitroaniline		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4,6-Dinitro-2-methylphenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
N-Nitrosodiphenylamine (1)		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2-Diphenylhydrazine		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Bromophenyl-phenylether		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobenzene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pentachlorophenol		50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Phenanthrene		10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10

NAVSTA MAYPORT
RFA Surface Water Data

Lab Sample Number:	M7645002				M7645001				M7645004				M7645003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SW009				49SW010				49SW011				49SW012			
Collect Date:	02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-Butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3'-Dichlorobenzidine	20	U	ug/l	20	20	U	ug/l	20	20	U	ug/l	20	20	U	ug/l	20
Benzo(a)anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl)phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo(b)fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo(k)fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo(a)pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno(1,2,3-cd)pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Dibenz(a,h)anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo(g,h,i)perylene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
2-Picoline	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Methyl methanesulfonate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Ethyl methanesulfonate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acetophenone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosopiperidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Phenyl-tert-butylamine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2,6-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosodiethylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosopyrrolidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzidine	50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l		50	UJ	ug/l	
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Pentachlorobenzene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
1-Naphthylamine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2-Naphthylamine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Phenacetin	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Aminobiphenyl	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Pentachloronitrobenzene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Pronamide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
p-(Dimethylamino)azobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Methylcholanthrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyridine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
N-Nitrosomethylethylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosomorpholine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
o-Toluidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloropropene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
p-Phenylenediamine	500	U	ug/l	500	500	U	ug/l	500	500	U	ug/l	500	500	U	ug/l	500
Safrole	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Isosafrole	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
1,4-Naphthoquinone	1000	U	ug/l	1000	1000	U	ug/l	1000	1000	U	ug/l	1000	1000	U	ug/l	1000
1,3-Dinitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
5-Nitro-o-toluidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3,5-Trinitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Nitroquinoline-1-oxide	500	R	ug/l		500	R	ug/l		500	R	ug/l		500	R	ug/l	

NAVSTA MAYPORT
RFA Surface Water Data

Lab Sample Number:	M7645002				M7645001				M7645004				M7645003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SW009				49SW010				49SW011				49SW012			
Collect Date:	02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
3,3'-Dimethylbenzidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachlorophene	500	R	ug/l		500	R	ug/l		500	R	ug/l		500	R	ug/l	
Aramite	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3- & 4-Methylphenol (2)	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Diphenylamine	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2-Acetylaminofluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Water Data

Lab Sample Number:	M7645002			M7645001			M7645004			M7645003		
Site	RFADATA			RFADATA			RFADATA			RFADATA		
Locator	49SW009			49SW010			49SW011			49SW012		
Collect Date:	02-AUG-94			02-AUG-94			02-AUG-94			02-AUG-94		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/l												
alpha-BHC	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
beta-BHC	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
delta-BHC	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
gamma-BHC (Lindane)	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Heptachlor	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Aldrin	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Heptachlor epoxide	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Endosulfan I	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Dieldrin	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
4,4-DDE	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Endrin	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Endosulfan II	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
4,4-DDD	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Endosulfan sulfate	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
4,4-DDT	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Methoxychlor	.08 U	ug/l	.08	.08 U	ug/l	.08	.08 U	ug/l	.08	.08 U	ug/l	.08
Endrin aldehyde	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Endrin ketone	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04	.04 U	ug/l	.04
Chlordane	.2 U	ug/l	.2	.2 U	ug/l	.2	.2 U	ug/l	.2	.2 U	ug/l	.2
Chlorobenzilate	.5 U	ug/l	.5	.5 U	ug/l	.5	.5 U	ug/l	.5	.5 U	ug/l	.5
Diallate	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Toxaphene	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Isodrin	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02	.02 U	ug/l	.02
Kepone	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Aroclor-1016	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Aroclor-1221	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Aroclor-1232	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2	2 U	ug/l	2
Aroclor-1242	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Aroclor-1248	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Aroclor-1254	.5 U	ug/l	.5	.5 U	ug/l	.5	.5 U	ug/l	.5	.5 U	ug/l	.5
Aroclor-1260	.5 U	ug/l	.5	.5 U	ug/l	.5	.5 U	ug/l	.5	.5 U	ug/l	.5

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Water Data

Lab Sample Number:	M7645002			M7645001			M7645004			M7645003		
Site	RFADATA			RFADATA			RFADATA			RFADATA		
Locator	49SW009			49SW010			49SW011			49SW012		
Collect Date:	02-AUG-94			02-AUG-94			02-AUG-94			02-AUG-94		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG WATER METALS ug/l												
Antimony	2.2 U	ug/l	2.2	2.4 J	ug/l		2.6 J	ug/l		2.2 U	ug/l	2.2
Arsenic	1.7 J	ug/l		6.8 J	ug/l		2.9 J	ug/l		1.4 J	ug/l	
Barium	18.4 J	ug/l		35.6 J	ug/l		12 J	ug/l		15 J	ug/l	
Beryllium	.18 U	ug/l	.18	.88 J	ug/l		.18 U	ug/l	.18	.18 U	ug/l	.18
Cadmium	3 UJ	ug/l		6 J	ug/l		3 UJ	ug/l		3 UJ	ug/l	
Calcium	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Chromium	2.1 J	ug/l		14.1	ug/l		2 U	ug/l	2	2 U	ug/l	2
Cobalt	2.7 UJ	ug/l		2.7 UJ	ug/l		2.7 UJ	ug/l		2.7 UJ	ug/l	
Copper	12.4 J	ug/l		18.4 J	ug/l		4 U	ug/l	4	4 U	ug/l	4
Cyanide	.32 U	ug/l	.32	.33 J	ug/l		.32 U	ug/l	.32	.32 U	ug/l	.32
Iron	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Lead	4.1 J	ug/l		34.2 J	ug/l		2 U	ug/l	2	2 U	ug/l	2
Magnesium	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Manganese	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Mercury	.16 U	ug/l	.16	.23	ug/l		.16 U	ug/l	.16	.16 U	ug/l	.16
Nickel	78.6 J	ug/l		17.6 J	ug/l		7.3 UJ	ug/l		7.3 UJ	ug/l	
Selenium	1.3 U	ug/l	1.3	1.3 U	ug/l	1.3	1.3 U	ug/l	1.3	1.3 U	ug/l	1.3
Silver	2.1 U	ug/l	2.1	2.1 U	ug/l	2.1	2.1 U	ug/l	2.1	2.1 U	ug/l	2.1
Sodium	-	ug/l		-	ug/l		-	ug/l		-	ug/l	
Thallium	1.3 U	ug/l	1.3	1.3 U	ug/l	1.3	1.3 U	ug/l	1.3	1.3 U	ug/l	1.3
Tin	9.4 U	ug/l	9.4	9.4 U	ug/l	9.4	9.4 U	ug/l	9.4	9.4 U	ug/l	9.4
Vanadium	4.8 J	ug/l		29 J	ug/l		3.4 J	ug/l		3.3 J	ug/l	
Zinc	38	ug/l		164	ug/l		7.5 U	ug/l	7.5	6 U	ug/l	6

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	M7646002				M7646001				M7646004				M7646003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SW009				49SW010				49SW011				49SW012			
Collect Date:	02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
GROUND WATER QUALITY mg/l																
Alkalinity as CaCO3	166		mg/l		150		mg/l		150		mg/l		146		mg/l	
Ammonia-N	.3		mg/l		.3	U	mg/l	.3	.3	U	mg/l	.3	.3	U	mg/l	.3
Chloride	525		mg/l		525		mg/l		512		mg/l		532		mg/l	
Hardness as CaCO3	317		mg/l		288		mg/l		308		mg/l		308		mg/l	
Nitrate/Nitrite-N	.1	U	mg/l	.1	.1	U	mg/l	.1	.1	U	mg/l	.1	.1	U	mg/l	.1
Oil and Grease	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Phosphorous-P, Total	.31		mg/l		.22		mg/l		.25		mg/l		.34		mg/l	
Sulfate	57.7		mg/l		65.1		mg/l		55.8		mg/l		61.8		mg/l	
Sulfide	24.7		mg/l		1	U	mg/l	1	1	U	mg/l	1	1	U	mg/l	1
Total Dissolved Solids	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
Total Kjeldahl Nitrogen	2.6		mg/l		3.2		mg/l		106		mg/l		2.3		mg/l	
Total Organic Carbon	-		mg/l		-		mg/l		-		mg/l		-		mg/l	
COLOR APHA																
Color	100		APHA		70		APHA		70		APHA		70		APHA	
pH units																
pH	7.8		units		8.2		units		8.5		units		8.4		units	
TOTAL PETROLEUM HYDROCARBONS mg/l																
Total petroleum hydrocarbon	-		mg/l		-		mg/l		-		mg/l		-		mg/l	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		M7645007				M7645006				M7645009				M7645008			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		49SD009				49SD010				49SD011				49SD012			
Collect Date:		02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33
Bromomethane		32	U	ug/kg	32	45	UJ	ug/kg		26	U	ug/kg	26	33	U	ug/kg	33
Vinyl chloride		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33
Chloroethane		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33
Methylene chloride		32	U	ug/kg	32	23	U	ug/kg	23	22	U	ug/kg	22	25	U	ug/kg	25
Acetone		230	J	ug/kg		240	J	ug/kg		98	U	ug/kg	98	510	J	ug/kg	
Carbon disulfide		30		ug/kg		56		ug/kg		18		ug/kg		58		ug/kg	
1,1-Dichloroethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,1-Dichloroethene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,2-Dichloroethene (total)		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Chloroform		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,2-Dichloroethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
2-Butanone		20	J	ug/kg		33	J	ug/kg		15	J	ug/kg		64	J	ug/kg	
1,1,1-Trichloroethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Carbon tetrachloride		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Bromodichloromethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,2-Dichloropropane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
cis-1,3-Dichloropropene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Trichloroethene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Dibromochloromethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,1,2-Trichloroethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Benzene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
trans-1,3-Dichloropropene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Bromoform		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
4-Methyl-2-pentanone		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33
2-Hexanone		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33
Tetrachloroethene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,1,2,2-Tetrachloroethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Toluene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Chlorobenzene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Ethylbenzene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Styrene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Xylenes (total)		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Trichlorofluoromethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,3-Dichlorobenzene		13000	U	ug/kg	13000	23	U	ug/kg	23	14000	U	ug/kg	14000	17	U	ug/kg	17
Acrolein		320	U	ug/kg	320	450	U	ug/kg	450	260	U	ug/kg	260	330	U	ug/kg	330
Iodomethane		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33
1,4-Dichlorobenzene		16	U	ug/kg	16	11000	U	ug/kg	11000	13	U	ug/kg	13	12000	U	ug/kg	12000
Acrylonitrile		320	U	ug/kg	320	450	U	ug/kg	450	260	U	ug/kg	260	330	U	ug/kg	330
Dibromomethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,2-Dichlorobenzene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	13	U	ug/kg	13	12000	U	ug/kg	12000
2-Chloroethylvinylether		32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33
Ethyl methacrylate		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,2,3-Trichloropropane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
trans-1,4-Dichloro-2-butene		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Isobutyl alcohol		640	U	ug/kg	640	910	U	ug/kg	910	510	U	ug/kg	510	670	U	ug/kg	670
1,1,1,2-Tetrachloroethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,2-Dibromo-3-chloropropane		340	U	ug/kg	340	480	U	ug/kg	480	270	U	ug/kg	270	350	U	ug/kg	350
1,2-Dibromoethane		16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
1,4-Dioxane		640	R	ug/kg		910	R	ug/kg		510	R	ug/kg		670	R	ug/kg	

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	M7645007				M7645006				M7645009				M7645008			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD009				49SD010				49SD011				49SD012			
Collect Date:	02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Acetonitrile	320	U	ug/kg	320	450	U	ug/kg	450	260	U	ug/kg	260	330	U	ug/kg	330
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	16	U	ug/kg	16	23	U	ug/kg	23	13	U	ug/kg	13	17	U	ug/kg	17
Methyl methacrylate	32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33
Pentachloroethane	32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33
Propionitrile	320	U	ug/kg	320	450	U	ug/kg	450	260	U	ug/kg	260	330	U	ug/kg	330
Vinyl acetate	32	U	ug/kg	32	45	U	ug/kg	45	26	U	ug/kg	26	33	U	ug/kg	33

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (B270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		R8730004				R8730006				R8730005				R8730003			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		49SD013				49SD014				49SD015				49SD016			
Collect Date:		12-SEP-94				12-SEP-94				12-SEP-94				12-SEP-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		13	U	ug/kg	13	14	U	ug/kg	14	13	U	ug/kg	13	14	R	ug/kg	
Bromomethane		13	U	ug/kg	13	14	U	ug/kg	14	13	U	ug/kg	13	14	R	ug/kg	
Vinyl chloride		13	U	ug/kg	13	14	U	ug/kg	14	13	U	ug/kg	13	14	R	ug/kg	
Chloroethane		13	U	ug/kg	13	14	U	ug/kg	14	13	U	ug/kg	13	14	R	ug/kg	
Methylene chloride		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Acetone		20	U	ug/kg	20	22	U	ug/kg	22	23	U	ug/kg	23	12	R	ug/kg	
Carbon disulfide		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	2	R	ug/kg	
1,1-Dichloroethane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,1-Dichloroethene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,2-Dichloroethene (total)		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Chloroform		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,2-Dichloroethane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
2-Butanone		13	R	ug/kg		14	R	ug/kg		13	R	ug/kg		14	R	ug/kg	
1,1,1-Trichloroethane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Carbon tetrachloride		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Bromodichloromethane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,2-Dichloropropane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
cis-1,3-Dichloropropene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Trichloroethene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Dibromochloromethane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,1,2-Trichloroethane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Benzene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
trans-1,3-Dichloropropene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Bromoform		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
4-Methyl-2-pentanone		13	U	ug/kg	13	14	U	ug/kg	14	13	U	ug/kg	13	14	R	ug/kg	
2-Hexanone		13	U	ug/kg	13	14	U	ug/kg	14	13	U	ug/kg	13	14	R	ug/kg	
Tetrachloroethene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,1,2,2-Tetrachloroethane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Toluene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Chlorobenzene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Ethylbenzene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Styrene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Xylenes (total)		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Trichlorofluoromethane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,3-Dichlorobenzene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Acrolein		130	U	ug/kg	130	140	U	ug/kg	140	130	U	ug/kg	130	140	R	ug/kg	
Iodomethane		13	U	ug/kg	13	14	U	ug/kg	14	13	U	ug/kg	13	14	R	ug/kg	
1,4-Dichlorobenzene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Acrylonitrile		130	U	ug/kg	130	140	U	ug/kg	140	130	U	ug/kg	130	140	R	ug/kg	
Dibromomethane		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8730004				R8730006				R8730005				R8730003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD013				49SD014				49SD015				49SD016			
Collect Date:	12-SEP-94				12-SEP-94				12-SEP-94				12-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	6	U	ug/kg	6	7	U	ug/kg	7	850	U	ug/kg	850	7	R	ug/kg	
2-Chloroethylvinylether	13	UJ	ug/kg		14	UJ	ug/kg		13	UJ	ug/kg		14	R	ug/kg	
Ethyl methacrylate	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,2,3-Trichloropropane	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
trans-1,4-Dichloro-2-butene	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Isobutyl alcohol	250	R	ug/kg		270	R	ug/kg		260	R	ug/kg		270	R	ug/kg	
1,1,1,2-Tetrachloroethane	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,2-Dibromo-3-chloropropane	13	UJ	ug/kg		14	UJ	ug/kg		13	UJ	ug/kg		14	R	ug/kg	
1,2-Dibromoethane	6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,4-Dioxane	250	R	ug/kg		270	R	ug/kg		260	R	ug/kg		270	R	ug/kg	
3-Chloropropene	6	UJ	ug/kg		7	UJ	ug/kg		6	UJ	ug/kg		7	R	ug/kg	
Acetonitrile	130	U	ug/kg	130	140	U	ug/kg	140	130	U	ug/kg	130	140	R	ug/kg	
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	6	UJ	ug/kg		7	UJ	ug/kg		6	UJ	ug/kg		7	R	ug/kg	
Methyl methacrylate	13	UJ	ug/kg		14	UJ	ug/kg		13	UJ	ug/kg		14	R	ug/kg	
Pentachloroethane	13	UJ	ug/kg		14	UJ	ug/kg		13	UJ	ug/kg		14	R	ug/kg	
Propionitrile	130	UJ	ug/kg		140	UJ	ug/kg		130	UJ	ug/kg		140	R	ug/kg	
Vinyl acetate	13	U	ug/kg	13	14	U	ug/kg	14	13	U	ug/kg	13	14	R	ug/kg	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		R8730003RE			R8730001			R8730002		
Site		RFADATA			RFADATA			RFADATA		
Locator		49SD016RE			49SD017			49SD017D		
Collect Date:		12-SEP-94			12-SEP-94			12-SEP-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg									
Chloromethane		14 U	ug/kg	14	26 U	ug/kg	26	25 U	ug/kg	25
Bromomethane		14 U	ug/kg	14	26 U	ug/kg	26	25 U	ug/kg	25
Vinyl chloride		14 U	ug/kg	14	26 U	ug/kg	26	25 U	ug/kg	25
Chloroethane		14 U	ug/kg	14	26 U	ug/kg	26	25 U	ug/kg	25
Methylene chloride		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
Acetone		24 U	ug/kg	24	61 U	ug/kg	61	100 U	ug/kg	100
Carbon disulfide		4 J	ug/kg		13	ug/kg		11 J	ug/kg	
1,1-Dichloroethane		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
1,1-Dichloroethene		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
1,2-Dichloroethene (total)		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
Chloroform		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
1,2-Dichloroethane		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
2-Butanone		14 R	ug/kg		26 R	ug/kg		25 R	ug/kg	
1,1,1-Trichloroethane		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
Carbon tetrachloride		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
Bromodichloromethane		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
1,2-Dichloropropane		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
cis-1,3-Dichloropropene		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
Trichloroethene		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
Dibromochloromethane		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
1,1,2-Trichloroethane		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
Benzene		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
trans-1,3-Dichloropropene		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
Bromoform		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
4-Methyl-2-pentanone		14 UJ	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25
2-Hexanone		14 UJ	ug/kg		26 U	ug/kg	26	25 U	ug/kg	25
Tetrachloroethene		7 UJ	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12
1,1,2,2-Tetrachloroethane		7 UJ	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12
Toluene		7 UJ	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12
Chlorobenzene		7 UJ	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12
Ethylbenzene		7 UJ	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12
Styrene		7 UJ	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12
Xylenes (total)		7 UJ	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12
Trichlorofluoromethane		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12
1,3-Dichlorobenzene		7 UJ	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12
Acrolein		140 U	ug/kg	140	260 U	ug/kg	260	250 U	ug/kg	250
Iodomethane		14 U	ug/kg	14	26 U	ug/kg	26	25 U	ug/kg	25
1,4-Dichlorobenzene		7 UJ	ug/kg		13 U	ug/kg	13	12 U	ug/kg	12
Acrylonitrile		140 U	ug/kg	140	260 U	ug/kg	260	250 U	ug/kg	250
Dibromomethane		7 U	ug/kg	7	13 U	ug/kg	13	12 U	ug/kg	12

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8730003RE				R8730001				R8730002			
Site	RFADATA				RFADATA				RFADATA			
Locator	49SD016RE				49SD017				49SD017D			
Collect Date:	12-SEP-94				12-SEP-94				12-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	7	UJ	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12
2-Chloroethylvinylether	14	UJ	ug/kg		26	UJ	ug/kg		25	UJ	ug/kg	
Ethyl methacrylate	7	UJ	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12
1,2,3-Trichloropropane	7	UJ	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12
trans-1,4-Dichloro-2-butene	7	UJ	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12
Isobutyl alcohol	270	R	ug/kg		510	R	ug/kg		500	R	ug/kg	
1,1,1,2-Tetrachloroethane	7	UJ	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12
1,2-Dibromo-3-chloropropane	14	UJ	ug/kg		26	UJ	ug/kg		25	UJ	ug/kg	
1,2-Dibromoethane	7	UJ	ug/kg		13	UJ	ug/kg		12	UJ	ug/kg	
1,4-Dioxane	270	R	ug/kg		510	R	ug/kg		500	R	ug/kg	
3-Chloropropene	7	UJ	ug/kg		13	UJ	ug/kg		12	UJ	ug/kg	
Acetonitrile	140	U	ug/kg	140	260	U	ug/kg	260	16	J	ug/kg	
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	7	UJ	ug/kg		13	UJ	ug/kg		12	UJ	ug/kg	
Methyl methacrylate	14	U	ug/kg	14	26	UJ	ug/kg		25	UJ	ug/kg	
Pentachloroethane	14	UJ	ug/kg		26	UJ	ug/kg		25	UJ	ug/kg	
Propionitrile	140	UJ	ug/kg		260	UJ	ug/kg		250	UJ	ug/kg	
Vinyl acetate	14	U	ug/kg	14	26	U	ug/kg	26	25	U	ug/kg	25

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		M7645007				M7645006				M7645009				M7645008			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		49SD009				49SD010				49SD011				49SD012			
Collect Date:		02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Phenol		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Aniline		13000	UJ	ug/kg		11000	UJ	ug/kg		14000	UJ	ug/kg		12000	UJ	ug/kg	
bis (2-Chloroethyl) ether		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
1,3-Dichlorobenzene		13000	U	ug/kg	13000	23	U	ug/kg	23	14000	U	ug/kg	14000	17	U	ug/kg	17
1,4-Dichlorobenzene		16	U	ug/kg	16	11000	U	ug/kg	11000	13	U	ug/kg	13	12000	U	ug/kg	12000
Benzyl Alcohol		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
1,2-Dichlorobenzene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	13	U	ug/kg	13	12000	U	ug/kg	12000
2-Methylphenol		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
bis(2-Chloroisopropyl)ether		13000	UJ	ug/kg		11000	UJ	ug/kg		14000	UJ	ug/kg		12000	UJ	ug/kg	
N-Nitroso-di-n-propylamine		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Hexachloroethane		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Nitrobenzene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Isophorone		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2-Nitrophenol		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2,4-Dimethylphenol		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Benzoic acid		66000	UJ	ug/kg		53000	UJ	ug/kg		69000	UJ	ug/kg		61000	UJ	ug/kg	
bis(2-Chloroethoxy)methane		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2,4-Dichlorophenol		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
1,2,4-Trichlorobenzene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Naphthalene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
4-Chloroaniline		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Hexachlorobutadiene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
4-Chloro-3-methylphenol		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2-Methylnaphthalene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Hexachlorocyclopentadiene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2,4,6-Trichlorophenol		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Dimethylphthalate		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2,4,5-Trichlorophenol		66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
2-Chloronaphthalene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2-Nitroaniline		66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
Acenaphthylene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2,6-Dinitrotoluene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
3-Nitroaniline		66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
Acenaphthene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2,4-Dinitrophenol		66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
4-Nitrophenol		66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
Dibenzofuran		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2,4-Dinitrotoluene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Diethylphthalate		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
4-Chlorophenyl-phenylether		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Fluorene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
4-Nitroaniline		66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
4,6-Dinitro-2-methylphenol		66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
N-Nitrosodiphenylamine (1)		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
1,2-Diphenylhydrazine		13000	UJ	ug/kg		11000	UJ	ug/kg		14000	UJ	ug/kg		12000	UJ	ug/kg	
4-Bromophenyl-phenylether		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Hexachlorobenzene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Pentachlorophenol		66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
Phenanthrene		13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	M7645007				M7645006				M7645009				M7645008			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD009				49SD010				49SD011				49SD012			
Collect Date:	02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Di-n-Butylphthalate	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Fluoranthene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Pyrene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Butylbenzylphthalate	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
3,3'-Dichlorobenzidine	27000	U	ug/kg	27000	22000	U	ug/kg	22000	28000	U	ug/kg	28000	25000	U	ug/kg	25000
Benzo(a)anthracene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Chrysene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
bis(2-Ethylhexyl)phthalate	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Di-n-octylphthalate	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Benzo(b)fluoranthene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Benzo(k)fluoranthene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Benzo(a)pyrene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Indeno(1,2,3-cd)pyrene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Dibenz(a,h)anthracene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Benzo(g,h,i)perylene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
2-Picoline	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
Methyl methanesulfonate	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Ethyl methanesulfonate	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Acetophenone	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
N-Nitrosopiperidine	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Phenyl-tert-butylamine	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
2,6-Dichlorophenol	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
N-Nitroso-di-n-butylamine	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
N-Nitrosodiethylamine	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
N-Nitrosopyrrolidine	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Benzidine	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
1,2,4,5-Tetrachlorobenzene	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
Pentachlorobenzene	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
1-Naphthylamine	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
2-Naphthylamine	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
2,3,4,6-Tetrachlorophenol	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Phenacetin	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
4-Aminobiphenyl	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
Pentachloronitrobenzene	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
Pronamide	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
p-(Dimethylamino)azobenzene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
7,12-Dimethylbenz(A)Anthracene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
3-Methylcholanthrene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Pyridine	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
N-Nitrosomethylethylamine	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
N-Nitrosomorpholine	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
o-Toluidine	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Hexachloropropene	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
p-Phenylenediamine	660000	U	ug/kg	660000	530000	U	ug/kg	530000	690000	U	ug/kg	690000	610000	U	ug/kg	610000
Safrole	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
Isosafrole	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
1,4-Naphthoquinone	1300000	U	ug/kg	1300000	1100000	U	ug/kg	1100000	1400000	U	ug/kg	1400000	1200000	U	ug/kg	1200000
1,3-Dinitrobenzene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
5-Nitro-o-toluidine	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
1,3,5-Trinitrobenzene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
4-Nitroquinoline-1-oxide	660000	U	ug/kg	660000	530000	U	ug/kg	530000	690000	U	ug/kg	690000	610000	U	ug/kg	610000

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	M7645007				M7645006				M7645009				M7645008			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD009				49SD010				49SD011				49SD012			
Collect Date:	02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
3,3'-Dimethylbenzidine	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
Hexachlorophene	660000	UJ	ug/kg		530000	UJ	ug/kg		690000	UJ	ug/kg		610000	UJ	ug/kg	
Aramite	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
2-Chlorophenol	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
3- & 4-Methylphenol (2)	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	66000	U	ug/kg	66000	53000	U	ug/kg	53000	69000	U	ug/kg	69000	61000	U	ug/kg	61000
2-Acetylaminofluorene	13000	U	ug/kg	13000	11000	U	ug/kg	11000	14000	U	ug/kg	14000	12000	U	ug/kg	12000

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (B270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		R8730004				R8730006				R8730005				R8730003			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		49SD013				49SD014				49SD015				49SD016			
Collect Date:		12-SEP-94				12-SEP-94				12-SEP-94				12-SEP-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Phenol		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Aniline		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
bis (2-Chloroethyl) ether		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
1,3-Dichlorobenzene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
1,4-Dichlorobenzene		6	U	ug/kg	6	7	U	ug/kg	7	6	U	ug/kg	6	7	R	ug/kg	
Benzyl Alcohol		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
1,2-Dichlorobenzene		6	U	ug/kg	6	7	U	ug/kg	7	850	U	ug/kg	850	7	R	ug/kg	
2-Methylphenol		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
bis(2-Chloroisopropyl)ether		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
N-Nitroso-di-n-propylamine		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Hexachloroethane		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Nitrobenzene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Isophorone		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2-Nitrophenol		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2,4-Dimethylphenol		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Benzoic acid		4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
bis(2-Chloroethoxy)methane		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2,4-Dichlorophenol		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
1,2,4-Trichlorobenzene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Naphthalene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
4-Chloroaniline		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Hexachlorobutadiene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
4-Chloro-3-methylphenol		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2-Methylnaphthalene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Hexachlorocyclopentadiene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2,4,6-Trichlorophenol		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Dimethylphthalate		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2,4,5-Trichlorophenol		4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
2-Chloronaphthalene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2-Nitroaniline		4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
Acenaphthylene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2,6-Dinitrotoluene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
3-Nitroaniline		4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
Acenaphthene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2,4-Dinitrophenol		4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
4-Nitrophenol		4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
Dibenzofuran		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2,4-Dinitrotoluene		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Diethylphthalate		840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8730004				R8730006				R8730005				R8730003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD013				49SD014				49SD015				49SD016			
Collect Date:	12-SEP-94				12-SEP-94				12-SEP-94				12-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Fluorene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
4-Nitroaniline	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
4,6-Dinitro-2-methylphenol	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
N-Nitrosodiphenylamine (1)	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
1,2-Diphenylhydrazine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
4-Bromophenyl-phenylether	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Hexachlorobenzene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Pentachlorophenol	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
Phenanthrene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Anthracene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Di-n-Butylphthalate	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Fluoranthene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Pyrene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Butylbenzylphthalate	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
3,3'-Dichlorobenzidine	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Benzo(a)anthracene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Chrysene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
bis(2-Ethylhexyl)phthalate	110	J	ug/kg		94	J	ug/kg		460	J	ug/kg		890	U	ug/kg	890
Di-n-octylphthalate	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Benzo(b)fluoranthene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Benzo(k)fluoranthene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Benzo(a)pyrene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Indeno(1,2,3-cd)pyrene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Dibenz(a,h)anthracene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Benzo(g,h,i)perylene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
2-Picoline	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
Methyl methanesulfonate	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Ethyl methanesulfonate	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Acetophenone	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
N-Nitrosopiperidine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Phenyl-tert-butylamine	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
2,6-Dichlorophenol	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
N-Nitroso-di-n-butylamine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
N-Nitrosodiethylamine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
N-Nitrosopyrrolidine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Benzidine	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
1,2,4,5-Tetrachlorobenzene	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
Pentachlorobenzene	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
1-Naphthylamine	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
2-Naphthylamine	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
2,3,4,6-Tetrachlorophenol	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Phenacetin	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
4-Aminobiphenyl	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
Pentachloronitrobenzene	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
Pronamide	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
p-(Dimethylamino)azobenzene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
7,12-Dimethylbenz(A)Anthracene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
3-Methylcholanthrene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Pyridine	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
N-Nitrosomethylethylamine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
N-Nitrosomorpholine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8730004				R8730006				R8730005				R8730003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD013				49SD014				49SD015				49SD016			
Collect Date:	12-SEP-94				12-SEP-94				12-SEP-94				12-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Hexachloropropene	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
p-Phenylenediamine	41000	U	ug/kg	41000	44000	U	ug/kg	44000	41000	U	ug/kg	41000	43000	U	ug/kg	43000
Safrole	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
Isosafrole	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
1,4-Naphthoquinone	84000	U	ug/kg	84000	90000	U	ug/kg	90000	85000	U	ug/kg	85000	89000	U	ug/kg	89000
1,3-Dinitrobenzene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
5-Nitro-o-toluidine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
1,3,5-Trinitrobenzene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
4-Nitroquinoline-1-oxide	41000	UJ	ug/kg		44000	UJ	ug/kg		41000	UJ	ug/kg		43000	UJ	ug/kg	
Methapyrilene	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
3,3'-Dimethylbenzidine	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
Hexachlorophene	41000	UJ	ug/kg		44000	UJ	ug/kg		41000	UJ	ug/kg		43000	UJ	ug/kg	
Aramite	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
2-Chlorophenol	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
3- & 4-Methylphenol (2)	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	4100	U	ug/kg	4100	4400	U	ug/kg	4400	4100	U	ug/kg	4100	4300	U	ug/kg	4300
2-Acetylaminofluorene	840	U	ug/kg	840	900	U	ug/kg	900	850	U	ug/kg	850	890	U	ug/kg	890

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		R8730003RE				R8730001				R8730002			
Site		RFADATA				RFADATA				RFADATA			
Locator		49SD016RE				49SD017				49SD017D			
Collect Date:		12-SEP-94				12-SEP-94				12-SEP-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg												
N-Nitrosodimethylamine		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Phenol		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Aniline		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
bis (2-Chloroethyl) ether		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
1,3-Dichlorobenzene		7	UJ	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12
1,4-Dichlorobenzene		7	UJ	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12
Benzyl Alcohol		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
1,2-Dichlorobenzene		7	UJ	ug/kg		13	U	ug/kg	13	12	U	ug/kg	12
2-Methylphenol		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
bis(2-Chloroisopropyl)ether		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
N-Nitroso-di-n-propylamine		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Hexachloroethane		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Nitrobenzene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Isophorone		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2-Nitrophenol		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2,4-Dimethylphenol		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Benzoic acid		-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
bis(2-Chloroethoxy)methane		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2,4-Dichlorophenol		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
1,2,4-Trichlorobenzene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Naphthalene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
4-Chloroaniline		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Hexachlorobutadiene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
4-Chloro-3-methylphenol		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2-Methylnaphthalene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Hexachlorocyclopentadiene		-		ug/kg		1700	UJ	ug/kg		1600	U	ug/kg	1600
2,4,6-Trichlorophenol		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Dimethylphthalate		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2,4,5-Trichlorophenol		-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
2-Chloronaphthalene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2-Nitroaniline		-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
Acenaphthylene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2,6-Dinitrotoluene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
3-Nitroaniline		-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
Acenaphthene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2,4-Dinitrophenol		-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
4-Nitrophenol		-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
Dibenzofuran		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2,4-Dinitrotoluene		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Diethylphthalate		-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8730003RE				R8730001				R8730002			
Site	RFADATA				RFADATA				RFADATA			
Locator	49SD016RE				49SD017				49SD017D			
Collect Date:	12-SEP-94				12-SEP-94				12-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Fluorene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
4-Nitroaniline	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
4,6-Dinitro-2-methylphenol	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
N-Nitrosodiphenylamine (1)	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
1,2-Diphenylhydrazine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
4-Bromophenyl-phenylether	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Hexachlorobenzene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Pentachlorophenol	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
Phenanthrene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Anthracene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Di-n-Butylphthalate	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Fluoranthene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Pyrene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Butylbenzylphthalate	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
3,3'-Dichlorobenzidine	-		ug/kg		3400	U	ug/kg	3400	3300	U	ug/kg	3300
Benzo(a)anthracene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Chrysene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
bis(2-Ethylhexyl)phthalate	-		ug/kg		440	J	ug/kg		180	J	ug/kg	
Di-n-octylphthalate	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Benzo(b)fluoranthene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Benzo(k)fluoranthene	-		ug/kg		1700	UJ	ug/kg		1600	U	ug/kg	1600
Benzo(a)pyrene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Indeno(1,2,3-cd)pyrene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Dibenz(a,h)anthracene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Benzo(g,h,i)perylene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
2-Picoline	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
Methyl methanesulfonate	-		ug/kg		1700	UJ	ug/kg		1600	U	ug/kg	1600
Ethyl methanesulfonate	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Acetophenone	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
N-Nitrosopiperidine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Phenyl-tert-butylamine	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
2,6-Dichlorophenol	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
N-Nitroso-di-n-butylamine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
N-Nitrosodiethylamine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
N-Nitrosopyrrolidine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Benzidine	-		ug/kg		8200	UJ	ug/kg		8000	U	ug/kg	8000
1,2,4,5-Tetrachlorobenzene	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
Pentachlorobenzene	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
1-Naphthylamine	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
2-Naphthylamine	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
2,3,4,6-Tetrachlorophenol	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Phenacetin	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
4-Aminobiphenyl	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
Pentachloronitrobenzene	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
Pronamide	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
p-(Dimethylamino)azobenzene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
7,12-Dimethylbenz(A)Anthracene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
3-Methylcholanthrene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Pyridine	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
N-Nitrosomethylethylamine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
N-Nitrosomorpholine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8730003RE				R8730001				R8730002			
Site	RFADATA				RFADATA				RFADATA			
Locator	49SD016RE				49SD017				49SD017D			
Collect Date:	12-SEP-94				12-SEP-94				12-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Hexachloropropene	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
p-Phenylenediamine	-		ug/kg		82000	U	ug/kg	82000	80000	U	ug/kg	80000
Safrole	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
Isosafrole	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
1,4-Naphthoquinone	-		ug/kg		170000	U	ug/kg	170000	160000	U	ug/kg	160000
1,3-Dinitrobenzene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
5-Nitro-o-toluidine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
1,3,5-Trinitrobenzene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
4-Nitroquinoline-1-oxide	-		ug/kg		82000	UJ	ug/kg		80000	UJ	ug/kg	
Methapyrilene	-		ug/kg		8200	UJ	ug/kg		8000	U	ug/kg	8000
3,3'-Dimethylbenzidine	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
Hexachlorophene	-		ug/kg		82000	UJ	ug/kg		80000	UJ	ug/kg	
Aramite	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
2-Chlorophenol	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
3- & 4-Methylphenol (2)	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	-		ug/kg		8200	U	ug/kg	8200	8000	U	ug/kg	8000
2-Acetylaminofluorene	-		ug/kg		1700	U	ug/kg	1700	1600	U	ug/kg	1600

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8730008				R8730007				M7645007				M7645006			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD006				49SD007				49SD009				49SD010			
Collect Date:	12-SEP-94				12-SEP-94				02-AUG-94				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2
beta-BHC	3.1	U	ug/kg	3.1	3.9	U	ug/kg	3.9	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2
delta-BHC	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2
gamma-BHC (Lindane)	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2
Heptachlor	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2
Aldrin	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2
Heptachlor epoxide	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2
Endosulfan I	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2
Dieldrin	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2
4,4-DDE	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.8	J	ug/kg		2.4		ug/kg	
Endrin	3.1	U	ug/kg	3.1	3.9	U	ug/kg	3.9	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2
Endosulfan II	3.1	U	ug/kg	3.1	3.9	U	ug/kg	3.9	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2
4,4-DDD	3.1	U	ug/kg	3.1	3.9	U	ug/kg	3.9	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2
Endosulfan sulfate	3.1	U	ug/kg	3.1	3.9	U	ug/kg	3.9	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2
4,4-DDT	3.1	U	ug/kg	3.1	3.9	U	ug/kg	3.9	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2
Methoxychlor	6.3	U	ug/kg	6.3	8.1	U	ug/kg	8.1	11	U	ug/kg	11	8.7	U	ug/kg	8.7
Endrin aldehyde	3.1	U	ug/kg	3.1	3.9	U	ug/kg	3.9	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2
Endrin ketone	3.1	U	ug/kg	3.1	3.9	U	ug/kg	3.9	5.2	U	ug/kg	5.2	4.2	U	ug/kg	4.2
Chlordane	16	U	ug/kg	16	20	U	ug/kg	20	27	U	ug/kg	27	22	U	ug/kg	22
Chlorobenzilate	47	U	ug/kg	47	60	U	ug/kg	60	80	U	ug/kg	80	64	U	ug/kg	64
Diallate	94	U	ug/kg	94	120	U	ug/kg	120	160	U	ug/kg	160	130	U	ug/kg	130
Toxaphene	78	U	ug/kg	78	99	U	ug/kg	99	130	U	ug/kg	130	110	U	ug/kg	110
Isodrin	1.6	U	ug/kg	1.6	2	U	ug/kg	2	2.7	U	ug/kg	2.7	2.2	U	ug/kg	2.2
Kepone	93	UJ	ug/kg		120	UJ	ug/kg		160	U	ug/kg	160	130	U	ug/kg	130
Aroclor-1016	-		ug/kg		-		ug/kg		130	U	ug/kg	130	110	U	ug/kg	110
Aroclor-1221	-		ug/kg		-		ug/kg		270	U	ug/kg	270	220	U	ug/kg	220
Aroclor-1232	-		ug/kg		-		ug/kg		270	U	ug/kg	270	220	U	ug/kg	220
Aroclor-1242	-		ug/kg		-		ug/kg		130	U	ug/kg	130	110	U	ug/kg	110
Aroclor-1248	-		ug/kg		-		ug/kg		130	U	ug/kg	130	110	U	ug/kg	110
Aroclor-1254	-		ug/kg		-		ug/kg		68	U	ug/kg	68	55	U	ug/kg	55
Aroclor-1260	-		ug/kg		-		ug/kg		68	U	ug/kg	68	55	U	ug/kg	55

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	M7645009				M7645008				R8730004				R8730006			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD011				49SD012				49SD013				49SD014			
Collect Date:	02-AUG-94				02-AUG-94				12-SEP-94				12-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	2.8	U	ug/kg	2.8	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92
beta-BHC	5.4	U	ug/kg	5.4	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8
delta-BHC	2.8	U	ug/kg	2.8	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92
gamma-BHC (Lindane)	2.8	U	ug/kg	2.8	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92
Heptachlor	2.8	U	ug/kg	2.8	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92
Aldrin	2.8	U	ug/kg	2.8	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92
Heptachlor epoxide	2.8	U	ug/kg	2.8	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92
Endosulfan I	2.8	U	ug/kg	2.8	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92
Dieldrin	2.8	U	ug/kg	2.8	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92
4,4-DDE	8.7		ug/kg		9.1		ug/kg		1.4		ug/kg		1.2		ug/kg	
Endrin	5.4	U	ug/kg	5.4	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8
Endosulfan II	5.4	U	ug/kg	5.4	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8
4,4-DDD	5.4	U	ug/kg	5.4	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8
Endosulfan sulfate	5.4	U	ug/kg	5.4	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8
4,4-DDT	5.4	U	ug/kg	5.4	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8
Methoxychlor	11	U	ug/kg	11	10	U	ug/kg	10	3.4	U	ug/kg	3.4	3.7	U	ug/kg	3.7
Endrin aldehyde	5.4	U	ug/kg	5.4	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8
Endrin ketone	5.4	U	ug/kg	5.4	4.8	U	ug/kg	4.8	1.6	U	ug/kg	1.6	1.8	U	ug/kg	1.8
Chlordane	28	U	ug/kg	28	25	U	ug/kg	25	8.4	U	ug/kg	8.4	9.2	U	ug/kg	9.2
Chlorobenzilate	83	U	ug/kg	83	74	U	ug/kg	74	25	U	ug/kg	25	28	U	ug/kg	28
Diallate	170	U	ug/kg	170	150	U	ug/kg	150	50	U	ug/kg	50	55	U	ug/kg	55
Toxaphene	140	U	ug/kg	140	120	U	ug/kg	120	42	U	ug/kg	42	45	U	ug/kg	45
Isodrin	2.8	U	ug/kg	2.8	2.5	U	ug/kg	2.5	.84	U	ug/kg	.84	.92	U	ug/kg	.92
Kepone	170	U	ug/kg	170	150	U	ug/kg	150	51	UJ	ug/kg		55	UJ	ug/kg	
Aroclor-1016	140	U	ug/kg	140	120	U	ug/kg	120	42	U	ug/kg	42	45	U	ug/kg	45
Aroclor-1221	280	U	ug/kg	280	250	U	ug/kg	250	84	U	ug/kg	84	92	U	ug/kg	92
Aroclor-1232	280	U	ug/kg	280	250	U	ug/kg	250	84	U	ug/kg	84	92	U	ug/kg	92
Aroclor-1242	140	U	ug/kg	140	120	U	ug/kg	120	42	U	ug/kg	42	45	U	ug/kg	45
Aroclor-1248	140	U	ug/kg	140	120	U	ug/kg	120	42	U	ug/kg	42	45	U	ug/kg	45
Aroclor-1254	71	U	ug/kg	71	63	U	ug/kg	63	20	U	ug/kg	20	22	U	ug/kg	22
Aroclor-1260	71	U	ug/kg	71	63	U	ug/kg	63	20	U	ug/kg	20	22	U	ug/kg	22

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		R8730005				R8730003				R8730001				R8730002		
Site		RFADATA				RFADATA				RFADATA				RFADATA		
Locator		49SD015				49SD016				49SD017				49SD017D		
Collect Date:		12-SEP-94				12-SEP-94				12-SEP-94				12-SEP-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080)	ug/kg																
alpha-BHC		.86	UJ	ug/kg		.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
beta-BHC		1.7	UJ	ug/kg		1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3
delta-BHC		.86	UJ	ug/kg		.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
gamma-BHC (Lindane)		.86	UJ	ug/kg		.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Heptachlor		.86	UJ	ug/kg		.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Aldrin		.86	UJ	ug/kg		.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Heptachlor epoxide		.86	UJ	ug/kg		.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Endosulfan I		.86	UJ	ug/kg		.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Dieldrin		.86	UJ	ug/kg		.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
4,4-DDE		.86	UJ	ug/kg		1.8		ug/kg		1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Endrin		1.7	UJ	ug/kg		1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3
Endosulfan II		1.7	UJ	ug/kg		1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3
4,4-DDD		1.7	UJ	ug/kg		1.4	J	ug/kg		3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3
Endosulfan sulfate		1.7	UJ	ug/kg		1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3
4,4-DDT		1.7	UJ	ug/kg		1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3
Methoxychlor		3.5	UJ	ug/kg		3.7	U	ug/kg	3.7	7	U	ug/kg	7	6.8	U	ug/kg	6.8
Endrin aldehyde		1.7	UJ	ug/kg		1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3
Endrin ketone		1.7	UJ	ug/kg		1.8	U	ug/kg	1.8	3.4	U	ug/kg	3.4	3.3	U	ug/kg	3.3
Chlordane		8.6	UJ	ug/kg		9.1	U	ug/kg	9.1	17	U	ug/kg	17	17	U	ug/kg	17
Chlorobenzilate		26	UJ	ug/kg		27	U	ug/kg	27	52	U	ug/kg	52	51	U	ug/kg	51
Dialiate		51	UJ	ug/kg		54	U	ug/kg	54	100	U	ug/kg	100	100	U	ug/kg	100
Toxaphene		42	UJ	ug/kg		45	U	ug/kg	45	86	U	ug/kg	86	83	U	ug/kg	83
Isodrin		.86	UJ	ug/kg		.91	U	ug/kg	.91	1.7	U	ug/kg	1.7	1.7	U	ug/kg	1.7
Kepone		51	UJ	ug/kg		54	UJ	ug/kg		100	UJ	ug/kg		100	UJ	ug/kg	
Aroclor-1016		42	UJ	ug/kg		45	U	ug/kg	45	86	U	ug/kg	86	83	U	ug/kg	83
Aroclor-1221		86	UJ	ug/kg		91	U	ug/kg	91	170	U	ug/kg	170	170	U	ug/kg	170
Aroclor-1232		86	UJ	ug/kg		91	U	ug/kg	91	170	U	ug/kg	170	170	U	ug/kg	170
Aroclor-1242		42	UJ	ug/kg		45	U	ug/kg	45	86	U	ug/kg	86	83	U	ug/kg	83
Aroclor-1248		42	UJ	ug/kg		45	U	ug/kg	45	86	U	ug/kg	86	83	U	ug/kg	83
Aroclor-1254		21	UJ	ug/kg		22	U	ug/kg	22	42	U	ug/kg	42	40	U	ug/kg	40
Aroclor-1260		21	UJ	ug/kg		22	U	ug/kg	22	42	U	ug/kg	42	40	U	ug/kg	40

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	M7645007				M7645006				M7645009				M7645008			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD009				49SD010				49SD011				49SD012			
Collect Date:	02-AUG-94				02-AUG-94				02-AUG-94				02-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	2.3	J	mg/kg		1.6	J	mg/kg		2	J	mg/kg		1.7	J	mg/kg	
Arsenic	4.5	J	mg/kg		6.2	J	mg/kg		10.8		mg/kg		6.9	J	mg/kg	
Barium	17	J	mg/kg		18	J	mg/kg		19.2	J	mg/kg		18.1	J	mg/kg	
Beryllium	.65	J	mg/kg		.93	J	mg/kg		1.1	J	mg/kg		.83	J	mg/kg	
Cadmium	2.4	U	mg/kg	2.4	2	U	mg/kg	2	2.3	U	mg/kg	2.3	2.3	U	mg/kg	2.3
Chromium	23.4		mg/kg		28.3		mg/kg		31.8		mg/kg		24.9		mg/kg	
Cobalt	3.1	J	mg/kg		3.2	J	mg/kg		6.9	J	mg/kg		3.6	J	mg/kg	
Copper	11.9	J	mg/kg		7.4	J	mg/kg		45.7		mg/kg		11.9	J	mg/kg	
Cyanide	.12	J	mg/kg		.11	U	mg/kg	.11	.12	U	mg/kg	.12	.12	U	mg/kg	.12
Lead	22.9	J	mg/kg		14.2	J	mg/kg		21.9	J	mg/kg		22.9	J	mg/kg	
Mercury	.23	U	mg/kg	.23	.83		mg/kg		.27	U	mg/kg	.27	.26	U	mg/kg	.26
Nickel	56		mg/kg		4.9	U	mg/kg	4.9	70.6		mg/kg		7.8	J	mg/kg	
Selenium	1	U	mg/kg	1	.88	U	mg/kg	.88	1	U	mg/kg	1	1	U	mg/kg	1
Silver	1.6	U	mg/kg	1.6	1.4	U	mg/kg	1.4	2.4	J	mg/kg		1.6	U	mg/kg	1.6
Thallium	1	U	mg/kg	1	.87	U	mg/kg	.87	1	U	mg/kg	1	.98	U	mg/kg	.98
Tin	8.8	J	mg/kg		9.2	J	mg/kg		10.9	J	mg/kg		10	J	mg/kg	
Vanadium	23	J	mg/kg		29.6	J	mg/kg		37.9	J	mg/kg		26.6	J	mg/kg	
Zinc	94.1		mg/kg		42.4		mg/kg		625		mg/kg		57.5		mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8730004				R8730006				R8730005				R8730003			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	49SD013				49SD014				49SD015				49SD016			
Collect Date:	12-SEP-94				12-SEP-94				12-SEP-94				12-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
IKG SOILS METALS mg/kg																
Antimony	1.3	U	mg/kg	1.3	1.4	U	mg/kg	1.4	1.3	U	mg/kg	1.3	1.4	U	mg/kg	1.4
Arsenic	.2	J	mg/kg		.69	J	mg/kg		1.1	J	mg/kg		14.4		mg/kg	
Barium	3.4	J	mg/kg		1.7	UJ	mg/kg		3.6	J	mg/kg		5.9	J	mg/kg	
Beryllium	.076	U	mg/kg	.076	.09	J	mg/kg		.11	J	mg/kg		.4	J	mg/kg	
Cadmium	.25	U	mg/kg	.25	.28	U	mg/kg	.28	.26	U	mg/kg	.26	.33	J	mg/kg	
Chromium	4.4		mg/kg		1.9	J	mg/kg		5.9		mg/kg		8.6		mg/kg	
Cobalt	.78	U	mg/kg	.78	.85	U	mg/kg	.85	.8	U	mg/kg	.8	.94	J	mg/kg	
Copper	1.4	UJ	mg/kg		1	UJ	mg/kg		2.2	UJ	mg/kg		1.9	UJ	mg/kg	
Cyanide	.17	U	mg/kg	.17	.27	J	mg/kg		.17	U	mg/kg	.17	.18	U	mg/kg	.18
Lead	.38	UJ	mg/kg		.94	UJ	mg/kg		1.5	UJ	mg/kg		2.2		mg/kg	
Mercury	.04	U	mg/kg	.04	.04	U	mg/kg	.04	.04	U	mg/kg	.04	.04	U	mg/kg	.04
Nickel	2.86	UJ	mg/kg		1.6	U	mg/kg	1.6	1.5	U	mg/kg	1.5	2.86	UJ	mg/kg	
Selenium	.15	U	mg/kg	.15	.17	U	mg/kg	.17	.15	U	mg/kg	.15	.16	J	mg/kg	
Silver	.53	U	mg/kg	.53	.58	U	mg/kg	.58	.54	U	mg/kg	.54	.57	U	mg/kg	.57
Thallium	.15	U	mg/kg	.15	.17	U	mg/kg	.17	.21	J	mg/kg		.32	J	mg/kg	
Tin	3.6	J	mg/kg		2.2	U	mg/kg	2.2	2.1	U	mg/kg	2.1	2.2	U	mg/kg	2.2
Vanadium	3.1	J	mg/kg		1.6	J	mg/kg		3.9	J	mg/kg		15.5		mg/kg	
Zinc	4.9	J	mg/kg		2.8	J	mg/kg		10.1		mg/kg		6.7		mg/kg	

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NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		R8730001				R8730002			
Site		RFADATA				RFADATA			
Locator		49SD017				49SD017D			
Collect Date:		12-SEP-94				12-SEP-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS	mg/kg								
Antimony		2.6	U	mg/kg	2.6	2.5	U	mg/kg	2.5
Arsenic		5.3		mg/kg		4.2	J	mg/kg	
Barium		17	J	mg/kg		14.3	J	mg/kg	
Beryllium		.74	J	mg/kg		.89	J	mg/kg	
Cadmium		.52	U	mg/kg	.52	.51	U	mg/kg	.51
Chromium		31.5		mg/kg		33.3		mg/kg	
Cobalt		1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6
Copper		2.8	UJ	mg/kg		37.7		mg/kg	
Cyanide		.42	J	mg/kg		.34	U	mg/kg	.34
Lead		10.9		mg/kg		10.3		mg/kg	
Mercury		.07	J	mg/kg		.07	J	mg/kg	
Nickel		6	UJ	mg/kg		73.2		mg/kg	
Selenium		.55	J	mg/kg		.64	J	mg/kg	
Silver		1.1	U	mg/kg	1.1	1.1	U	mg/kg	1.1
Thallium		.31	J	mg/kg		.3	U	mg/kg	.3
Tin		6.8	J	mg/kg		4	U	mg/kg	4
Vanadium		38.3		mg/kg		40.3		mg/kg	
Zinc		15.9		mg/kg		14.7		mg/kg	

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NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		M7645007			M7645006			M7645009			M7645008		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		49SD009			49SD010			49SD011			49SD012		
Collect Date:		02-AUG-94			02-AUG-94			02-AUG-94			02-AUG-94		
		VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
TOC	mg/kg												
Total Organic Carbon		44500	mg/kg		31200	mg/kg		55500	mg/kg		53200	mg/kg	
TOTAL PETROLEUM HYDROCARBONS	mg/kg												
Total petroleum hydrocarbon		-	mg/kg		-	mg/kg		-	mg/kg		-	mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		R8665001				R8665002				R8665004				R8665006			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		56SS00101				56SS00101D				56SS00201				56SS00301			
Collect Date:		01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11
Bromomethane		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11
Vinyl chloride		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11
Chloroethane		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11
Methylene chloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetone		11	U	ug/kg	11	8	J	ug/kg		10	U	ug/kg	10	11	U	ug/kg	11
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11
2-Hexanone		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acrolein		110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100	110	U	ug/kg	110
Iodomethane		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11
1,4-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acrylonitrile		110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100	110	U	ug/kg	110
Dibromomethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	700	U	ug/kg	700
2-Chloroethylvinylether		11	U	ug/kg	11	10	UJ	ug/kg		10	UJ	ug/kg		11	U	ug/kg	11
Ethyl methacrylate		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg	
1,1,1,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane		11	UJ	ug/kg		10	UJ	ug/kg		10	UJ	ug/kg		11	UJ	ug/kg	
1,2-Dibromoethane		5	UJ	ug/kg		5	UJ	ug/kg		5	UJ	ug/kg		5	UJ	ug/kg	
1,4-Dioxane		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg	

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665001				R8665002				R8665004				R8665006			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	56SS00101				56SS00101D				56SS00201				56SS00301			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	UJ	ug/kg		5	UJ	ug/kg		5	UJ	ug/kg		5	UJ	ug/kg	
Acetonitrile	110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	UJ	ug/kg		5	UJ	ug/kg		5	UJ	ug/kg		5	UJ	ug/kg	
Methyl methacrylate	11	UJ	ug/kg		10	UJ	ug/kg		10	UJ	ug/kg		11	UJ	ug/kg	
Pentachloroethane	11	UJ	ug/kg		10	UJ	ug/kg		10	UJ	ug/kg		11	UJ	ug/kg	
Propionitrile	110	UJ	ug/kg		100	UJ	ug/kg		100	UJ	ug/kg		110	UJ	ug/kg	
Vinyl acetate	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11

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THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		R8665008			
Site		RFADATA			
Locator		56SS00401			
Collect Date:		01-SEP-94			
		VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg				
Chloromethane		10	U	ug/kg	10
Bromomethane		10	U	ug/kg	10
Vinyl chloride		10	U	ug/kg	10
Chloroethane		10	U	ug/kg	10
Methylene chloride		5	U	ug/kg	5
Acetone		10	U	ug/kg	10
Carbon disulfide		5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5
Chloroform		5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5
2-Butanone		10	U	ug/kg	10
1,1,1-Trichloroethane		5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5
Benzene		5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5
Bromoform		5	U	ug/kg	5
4-Methyl-2-pentanone		10	U	ug/kg	10
2-Hexanone		10	U	ug/kg	10
Tetrachloroethene		5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5
Toluene		5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5
Styrene		5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5
Trichlorofluoromethane		5	U	ug/kg	5
1,3-Dichlorobenzene		700	U	ug/kg	700
Acrolein		100	U	ug/kg	100
Iodomethane		10	U	ug/kg	10
1,4-Dichlorobenzene		5	U	ug/kg	5
Acrylonitrile		100	U	ug/kg	100
Dibromomethane		5	U	ug/kg	5

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665008			
Site	RFADATA			
Locator	56SS00401			
Collect Date:	01-SEP-94			
	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	5	U	ug/kg	5
2-Chloroethylvinylether	10	U	ug/kg	10
Ethyl methacrylate	5	U	ug/kg	5
1,2,3-Trichloropropane	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5
Isobutyl alcohol	210	R	ug/kg	
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	10	UJ	ug/kg	
1,2-Dibromoethane	5	UJ	ug/kg	
1,4-Dioxane	210	R	ug/kg	
3-Chloropropene	5	UJ	ug/kg	
Acetonitrile	100	U	ug/kg	100
Chloroprene	-		ug/kg	
Methacrylonitrile	5	UJ	ug/kg	
Methyl methacrylate	10	UJ	ug/kg	
Pentachloroethane	10	UJ	ug/kg	
Propionitrile	100	UJ	ug/kg	
Vinyl acetate	10	U	ug/kg	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665001				R8665002				R8665004				R8665006			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	56SS00101				56SS00101D				56SS00201				56SS00301			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24) ug/kg																
N-Nitrosodimethylamine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Phenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Aniline	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
bis (2-Chloroethyl) ether	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
1,3-Dichlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dichlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzyl Alcohol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
1,2-Dichlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	700	U	ug/kg	700
2-Methylphenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
bis(2-Chloroisopropyl)ether	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
N-Nitroso-di-n-propylamine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Hexachloroethane	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Nitrobenzene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Isophorone	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2-Nitrophenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2,4-Dimethylphenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Benzoic acid	3500	UJ	ug/kg		3400	UJ	ug/kg		3400	UJ	ug/kg		3500	UJ	ug/kg	
bis(2-Chloroethoxy)methane	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2,4-Dichlorophenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
1,2,4-Trichlorobenzene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Naphthalene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
4-Chloroaniline	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Hexachlorobutadiene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
4-Chloro-3-methylphenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2-Methylnaphthalene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Hexachlorocyclopentadiene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2,4,6-Trichlorophenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Dimethylphthalate	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2,4,5-Trichlorophenol	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
2-Chloronaphthalene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2-Nitroaniline	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
Acenaphthylene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2,6-Dinitrotoluene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
3-Nitroaniline	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
Acenaphthene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2,4-Dinitrophenol	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
4-Nitrophenol	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
Dibenzofuran	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2,4-Dinitrotoluene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Diethylphthalate	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
4-Chlorophenyl-phenylether	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Fluorene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
4-Nitroaniline	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
4,6-Dinitro-2-methylphenol	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
N-Nitrosodiphenylamine (1)	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
1,2-Diphenylhydrazine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
4-Bromophenyl-phenylether	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Hexachlorobenzene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Pentachlorophenol	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
Phenanthrene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665001				R8665002				R8665004				R8665006			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	56SS00101				56SS00101D				56SS00201				56SS00301			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Di-n-Butylphthalate	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Fluoranthene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Pyrene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Butylbenzylphthalate	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
3,3'-Dichlorobenzidine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1400	U	ug/kg	1400
Benzo(a)anthracene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Chrysene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
bis(2-Ethylhexyl)phthalate	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Di-n-octylphthalate	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Benzo(b)fluoranthene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Benzo(k)fluoranthene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Benzo(a)pyrene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Indeno(1,2,3-cd)pyrene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Dibenz(a,h)anthracene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Benzo(g,h,i)perylene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
2-Picoline	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
Methyl methanesulfonate	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Ethyl methanesulfonate	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Acetophenone	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
N-Nitrosopiperidine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Phenyl-tert-butylamine	3500	UJ	ug/kg		3400	UJ	ug/kg		3400	UJ	ug/kg		3500	UJ	ug/kg	
2,6-Dichlorophenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
N-Nitroso-di-n-butylamine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
N-Nitrosodiethylamine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
N-Nitrosopyrrolidine	710	UJ	ug/kg		690	UJ	ug/kg		690	UJ	ug/kg		700	UJ	ug/kg	
Benzidine	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
1,2,4,5-Tetrachlorobenzene	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
Pentachlorobenzene	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
1-Naphthylamine	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
2-Naphthylamine	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
2,3,4,6-Tetrachlorophenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Phenacetin	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
4-Aminobiphenyl	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
Pentachloronitrobenzene	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
Pronamide	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
p-(Dimethylamino)azobenzene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
7,12-Dimethylbenz(A)Anthracene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
3-Methylcholanthrene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Pyridine	3500	UJ	ug/kg		3400	UJ	ug/kg		3400	UJ	ug/kg		3500	UJ	ug/kg	
N-Nitrosomethylethylamine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
N-Nitrosomorpholine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
o-Toluidine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Hexachloropropene	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
p-Phenylenediamine	35000	UJ	ug/kg		34000	UJ	ug/kg		34000	UJ	ug/kg		35000	UJ	ug/kg	
Safrole	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
Isosafrole	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
1,4-Naphthoquinone	70000	U	ug/kg	70000	69000	U	ug/kg	69000	68000	U	ug/kg	68000	69000	U	ug/kg	69000
1,3-Dinitrobenzene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
5-Nitro-o-toluidine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
1,3,5-Trinitrobenzene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
4-Nitroquinoline-1-oxide	35000	U	ug/kg	35000	34000	U	ug/kg	34000	34000	U	ug/kg	34000	35000	U	ug/kg	35000

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665001				R8665002				R8665004				R8665006			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	56SS00101				56SS00101D				56SS00201				56SS00301			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	3500	UJ	ug/kg		3400	UJ	ug/kg		3400	UJ	ug/kg		3500	UJ	ug/kg	
3,3'-Dimethylbenzidine	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
Hexachlorophene	35000	R	ug/kg		34000	R	ug/kg		34000	R	ug/kg		35000	R	ug/kg	
Aramite	3500	UJ	ug/kg		3400	UJ	ug/kg		3400	UJ	ug/kg		3500	UJ	ug/kg	
2-Chlorophenol	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
3- & 4-Methylphenol (2)	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	3500	U	ug/kg	3500	3400	U	ug/kg	3400	3400	U	ug/kg	3400	3500	U	ug/kg	3500
2-Acetylaminofluorene	710	U	ug/kg	710	690	U	ug/kg	690	690	U	ug/kg	690	700	U	ug/kg	700

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665008
Site	RFADATA
Locator	56SS00401
Collect Date:	01-SEP-94

	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24) ug/kg				
N-Nitrosodimethylamine	700	U	ug/kg	700
Phenol	700	U	ug/kg	700
Aniline	700	U	ug/kg	700
bis (2-Chloroethyl) ether	700	U	ug/kg	700
1,3-Dichlorobenzene	700	U	ug/kg	700
1,4-Dichlorobenzene	5	U	ug/kg	5
Benzyl Alcohol	700	U	ug/kg	700
1,2-Dichlorobenzene	5	U	ug/kg	5
2-Methylphenol	700	U	ug/kg	700
bis(2-Chloroisopropyl)ether	700	U	ug/kg	700
N-Nitroso-di-n-propylamine	700	U	ug/kg	700
Hexachloroethane	700	U	ug/kg	700
Nitrobenzene	700	U	ug/kg	700
Isophorone	700	U	ug/kg	700
2-Nitrophenol	700	U	ug/kg	700
2,4-Dimethylphenol	700	U	ug/kg	700
Benzoic acid	3400	UJ	ug/kg	
bis(2-Chloroethoxy)methane	700	U	ug/kg	700
2,4-Dichlorophenol	700	U	ug/kg	700
1,2,4-Trichlorobenzene	700	U	ug/kg	700
Naphthalene	700	U	ug/kg	700
4-Chloroaniline	700	U	ug/kg	700
Hexachlorobutadiene	700	U	ug/kg	700
4-Chloro-3-methylphenol	700	U	ug/kg	700
2-Methylnaphthalene	700	U	ug/kg	700
Hexachlorocyclopentadiene	700	U	ug/kg	700
2,4,6-Trichlorophenol	700	U	ug/kg	700
Dimethylphthalate	700	U	ug/kg	700
2,4,5-Trichlorophenol	3400	U	ug/kg	3400
2-Chloronaphthalene	700	U	ug/kg	700
2-Nitroaniline	3400	U	ug/kg	3400
Acenaphthylene	700	U	ug/kg	700
2,6-Dinitrotoluene	700	U	ug/kg	700
3-Nitroaniline	3400	U	ug/kg	3400
Acenaphthene	700	U	ug/kg	700
2,4-Dinitrophenol	3400	U	ug/kg	3400
4-Nitrophenol	3400	U	ug/kg	3400
Dibenzofuran	700	U	ug/kg	700
2,4-Dinitrotoluene	700	U	ug/kg	700
Diethylphthalate	700	U	ug/kg	700

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665008			
Site	RFADATA			
Locator	56SS00401			
Collect Date:	01-SEP-94			
	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	700	U	ug/kg	700
Fluorene	700	U	ug/kg	700
4-Nitroaniline	3400	U	ug/kg	3400
4,6-Dinitro-2-methylphenol	3400	U	ug/kg	3400
N-Nitrosodiphenylamine (1)	700	U	ug/kg	700
1,2-Diphenylhydrazine	700	U	ug/kg	700
4-Bromophenyl-phenylether	700	U	ug/kg	700
Hexachlorobenzene	700	U	ug/kg	700
Pentachlorophenol	3400	U	ug/kg	3400
Phenanthrene	700	U	ug/kg	700
Anthracene	700	U	ug/kg	700
Di-n-Butylphthalate	700	U	ug/kg	700
Fluoranthene	700	U	ug/kg	700
Pyrene	700	U	ug/kg	700
Butylbenzylphthalate	700	U	ug/kg	700
3,3'-Dichlorobenzidine	1400	U	ug/kg	1400
Benzo(a)anthracene	700	U	ug/kg	700
Chrysene	700	U	ug/kg	700
bis(2-Ethylhexyl)phthalate	700	U	ug/kg	700
Di-n-octylphthalate	700	U	ug/kg	700
Benzo(b)fluoranthene	700	U	ug/kg	700
Benzo(k)fluoranthene	700	U	ug/kg	700
Benzo(a)pyrene	700	U	ug/kg	700
Indeno(1,2,3-cd)pyrene	700	U	ug/kg	700
Dibenz(a,h)anthracene	700	U	ug/kg	700
Benzo(g,h,i)perylene	700	U	ug/kg	700
2-Picoline	3400	U	ug/kg	3400
Methyl methanesulfonate	700	U	ug/kg	700
Ethyl methanesulfonate	700	U	ug/kg	700
Acetophenone	700	U	ug/kg	700
N-Nitrosopiperidine	700	U	ug/kg	700
Phenyl-tert-butylamine	3400	UJ	ug/kg	
2,6-Dichlorophenol	700	U	ug/kg	700
N-Nitroso-di-n-butylamine	700	U	ug/kg	700
N-Nitrosodiethylamine	700	U	ug/kg	700
N-Nitrosopyrrolidine	700	UJ	ug/kg	
Benzidine	3400	U	ug/kg	3400
1,2,4,5-Tetrachlorobenzene	3400	U	ug/kg	3400
Pentachlorobenzene	3400	U	ug/kg	3400
1-Naphthylamine	3400	U	ug/kg	3400
2-Naphthylamine	3400	U	ug/kg	3400
2,3,4,6-Tetrachlorophenol	700	U	ug/kg	700
Phenacetin	700	U	ug/kg	700
4-Aminobiphenyl	3400	U	ug/kg	3400
Pentachloronitrobenzene	3400	U	ug/kg	3400
Pronamide	700	U	ug/kg	700
p-(Dimethylamino)azobenzene	700	U	ug/kg	700
7,12-Dimethylbenz(A)Anthracene	700	U	ug/kg	700
3-Methylcholanthrene	700	U	ug/kg	700
Pyridine	3400	UJ	ug/kg	
N-Nitrosomethylethylamine	700	U	ug/kg	700
N-Nitrosomorpholine	700	U	ug/kg	700

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665008			
Site	RFADATA			
Locator	56SS00401			
Collect Date:	01-SEP-94			
	VALUE	QUAL	UNITS	DL
o-Toluidine	700	U	ug/kg	700
Hexachloropropene	3400	U	ug/kg	3400
p-Phenylenediamine	34000	UJ	ug/kg	
Safrole	3400	U	ug/kg	3400
Isosafrole	3400	U	ug/kg	3400
1,4-Naphthoquinone	69000	U	ug/kg	69000
1,3-Dinitrobenzene	700	U	ug/kg	700
5-Nitro-o-toluidine	700	U	ug/kg	700
1,3,5-Trinitrobenzene	700	U	ug/kg	700
4-Nitroquinoline-1-oxide	34000	U	ug/kg	34000
Methapyrilene	3400	UJ	ug/kg	
3,3'-Dimethylbenzidine	700	U	ug/kg	700
Hexachlorophene	34000	R	ug/kg	
Aramite	3400	UJ	ug/kg	
2-Chlorophenol	700	U	ug/kg	700
3- & 4-Methylphenol (2)	700	U	ug/kg	700
4-Methylphenol	-		ug/kg	
Diphenylamine	-		ug/kg	
Hexachloropropene	3400	U	ug/kg	3400
2-Acetylaminofluorene	700	U	ug/kg	700

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665001				R8665002				R8665004				R8665006			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	56SS00101				56SS00101D				56SS00201				56SS00301			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.72	U	ug/kg	.72	.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
beta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4
delta-BHC	.72	U	ug/kg	.72	.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
gamma-BHC (Lindane)	.72	U	ug/kg	.72	.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
Heptachlor	.72	U	ug/kg	.72	.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
Aldrin	.72	U	ug/kg	.72	.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
Heptachlor epoxide	.72	U	ug/kg	.72	.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
Endosulfan I	.72	U	ug/kg	.72	.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
Dieldrin	.72	U	ug/kg	.72	.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
4,4-DDE	1	J	ug/kg		.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
Endrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4
Endosulfan II	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4
4,4-DDD	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4
4,4-DDT	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4
Methoxychlor	2.9	U	ug/kg	2.9	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8
Endrin aldehyde	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4
Endrin ketone	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4
Chlordane	7.2	U	ug/kg	7.2	7	U	ug/kg	7	6.9	U	ug/kg	6.9	7	U	ug/kg	7
Chlorobenzilate	21	U	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21
Diallate	43	U	ug/kg	43	42	U	ug/kg	42	41	U	ug/kg	41	42	U	ug/kg	42
Toxaphene	35	U	ug/kg	35	34	U	ug/kg	34	34	U	ug/kg	34	35	U	ug/kg	35
Isodrin	.72	U	ug/kg	.72	.7	U	ug/kg	.7	.69	U	ug/kg	.69	.7	U	ug/kg	.7
Kepone	43	UJ	ug/kg		42	UJ	ug/kg		41	UJ	ug/kg		42	UJ	ug/kg	
Aroclor-1016	35	U	ug/kg	35	34	U	ug/kg	34	34	U	ug/kg	34	35	U	ug/kg	35
Aroclor-1221	72	U	ug/kg	72	70	U	ug/kg	70	69	U	ug/kg	69	70	U	ug/kg	70
Aroclor-1232	72	U	ug/kg	72	70	U	ug/kg	70	69	U	ug/kg	69	70	U	ug/kg	70
Aroclor-1242	35	U	ug/kg	35	34	U	ug/kg	34	34	U	ug/kg	34	35	U	ug/kg	35
Aroclor-1248	35	U	ug/kg	35	34	U	ug/kg	34	34	U	ug/kg	34	35	U	ug/kg	35
Aroclor-1254	17	U	ug/kg	17	17	U	ug/kg	17	17	U	ug/kg	17	17	U	ug/kg	17
Aroclor-1260	17	U	ug/kg	17	17	U	ug/kg	17	17	U	ug/kg	17	17	U	ug/kg	17

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665008
Site	RFADATA
Locator	56SS00401
Collect Date:	01-SEP-94

	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg				
alpha-BHC	.7	U	ug/kg	.7
beta-BHC	1.4	U	ug/kg	1.4
delta-BHC	.7	U	ug/kg	.7
gamma-BHC (Lindane)	.7	U	ug/kg	.7
Heptachlor	.7	U	ug/kg	.7
Aldrin	.7	U	ug/kg	.7
Heptachlor epoxide	.7	U	ug/kg	.7
Endosulfan I	.7	U	ug/kg	.7
Dieldrin	.7	U	ug/kg	.7
4,4-DDE	1.5		ug/kg	
Endrin	1.4	U	ug/kg	1.4
Endosulfan II	1.4	U	ug/kg	1.4
4,4-DDD	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.4	U	ug/kg	1.4
4,4-DDT	1.4	U	ug/kg	1.4
Methoxychlor	2.8	U	ug/kg	2.8
Endrin aldehyde	1.4	U	ug/kg	1.4
Endrin ketone	1.4	U	ug/kg	1.4
Chlordane	7	U	ug/kg	7
Chlorobenzilate	21	U	ug/kg	21
Diallate	42	U	ug/kg	42
Toxaphene	34	U	ug/kg	34
Isodrin	.7	U	ug/kg	.7
Kepone	42	U	ug/kg	42
Aroclor-1016	34	U	ug/kg	34
Aroclor-1221	70	U	ug/kg	70
Aroclor-1232	70	U	ug/kg	70
Aroclor-1242	34	U	ug/kg	34
Aroclor-1248	34	U	ug/kg	34
Aroclor-1254	17	U	ug/kg	17
Aroclor-1260	17	U	ug/kg	17

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8665001				R8665002				R8665004				R8665006			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	56SS00101				56SS00101D				56SS00201				56SS00301			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	1.1	U	mg/kg	1.1	1	U	mg/kg	1	1	U	mg/kg	1	1.1	U	mg/kg	1.1
Arsenic	.94	J	mg/kg		.94	J	mg/kg		.62	J	mg/kg		.71	J	mg/kg	
Barium	7.4	J	mg/kg		12.9	J	mg/kg		4.5	J	mg/kg		7	J	mg/kg	
Beryllium	.11	U	mg/kg	.11	.16	U	mg/kg	.16	.09	U	mg/kg	.09	.13	U	mg/kg	.13
Cadmium	.39	J	mg/kg		2.1		mg/kg		.21	U	mg/kg	.21	.23	J	mg/kg	
Chromium	7.2	J	mg/kg		17.6	J	mg/kg		3.7	J	mg/kg		7.2	J	mg/kg	
Cobalt	.66	U	mg/kg	.66	.65	U	mg/kg	.65	.64	U	mg/kg	.64	.71	J	mg/kg	
Copper	6.8	J	mg/kg		25.7	J	mg/kg		2.4	J	mg/kg		3.9	J	mg/kg	
Cyanide	.14	U	mg/kg	.14	.14	U	mg/kg	.14	.26	U	mg/kg	.26	.14	U	mg/kg	.14
Lead	7.4	J	mg/kg		20.6	J	mg/kg		2.7	J	mg/kg		7.9	J	mg/kg	
Mercury	.05	U	mg/kg	.05	.04	U	mg/kg	.04	.04	U	mg/kg	.04	.04	U	mg/kg	.04
Nickel	2.1	J	mg/kg		5.5	J	mg/kg		1.5	J	mg/kg		1.9	J	mg/kg	
Selenium	.15	J	mg/kg		.12	UJ	mg/kg		.12	UJ	mg/kg		.13	UJ	mg/kg	
Silver	.45	U	mg/kg	.45	.44	U	mg/kg	.44	.43	U	mg/kg	.43	.44	U	mg/kg	.44
Thallium	.13	U	mg/kg	.13	.12	U	mg/kg	.12	.12	U	mg/kg	.12	.13	U	mg/kg	.13
Tin	1.7	U	mg/kg	1.7	1.7	U	mg/kg	1.7	1.7	U	mg/kg	1.7	1.7	U	mg/kg	1.7
Vanadium	4.7	J	mg/kg		4.8	J	mg/kg		2.9	J	mg/kg		4.8	J	mg/kg	
Zinc	24	J	mg/kg		88.8	J	mg/kg		8.4	J	mg/kg		15.9	J	mg/kg	

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		R8665008		
Site		RFADATA		
Locator		56SS00401		
Collect Date:		01-SEP-94		
	VALUE	QUAL	UNITS	DL
BKG SOILS METALS	mg/kg			
Antimony	1	U	mg/kg	1
Arsenic	.73	J	mg/kg	
Barium	7.4	J	mg/kg	
Beryllium	.14	U	mg/kg	.14
Cadmium	.42	J	mg/kg	
Chromium	5	J	mg/kg	
Cobalt	.65	U	mg/kg	.65
Copper	6.3	J	mg/kg	
Cyanide	.14	U	mg/kg	.14
Lead	7	J	mg/kg	
Mercury	.03	U	mg/kg	.03
Nickel	2.3	J	mg/kg	
Selenium	.14	J	mg/kg	
Silver	.44	U	mg/kg	.44
Thallium	.15	J	mg/kg	
Tin	1.7	U	mg/kg	1.7
Vanadium	4.1	J	mg/kg	
Zinc	31.7	J	mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		R8665003				R8665005				R8665007				R8665009			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		56BS00104				56BS00204				56BS00304				56BS00405			
Collect Date:		01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13
Bromomethane		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13
Vinyl chloride		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13
Chloroethane		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13
Methylene chloride		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Acetone		25		ug/kg		8	J	ug/kg		9	J	ug/kg		13	U	ug/kg	13
Carbon disulfide		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,1-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,1-Dichloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichloroethene (total)		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Chloroform		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
2-Butanone		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13
1,1,1-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Carbon tetrachloride		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Bromodichloromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichloropropane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
cis-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Trichloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Dibromochloromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,1,2-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Benzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
trans-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Bromoform		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
4-Methyl-2-pentanone		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13
2-Hexanone		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13
Tetrachloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,1,2,2-Tetrachloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Toluene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Chlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Ethylbenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Styrene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Xylenes (total)		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Trichlorofluoromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,3-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	880	U	ug/kg	880
Acrolein		120	U	ug/kg	120	120	U	ug/kg	120	110	U	ug/kg	110	130	U	ug/kg	130
Iodomethane		12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13
1,4-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Acrylonitrile		120	U	ug/kg	120	120	U	ug/kg	120	110	U	ug/kg	110	130	U	ug/kg	130
Dibromomethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dichlorobenzene		830	U	ug/kg	830	780	U	ug/kg	780	6	U	ug/kg	6	7	U	ug/kg	7
2-Chloroethylvinylether		12	UJ	ug/kg		12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13
Ethyl methacrylate		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,2,3-Trichloropropane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
trans-1,4-Dichloro-2-butene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Isobutyl alcohol		250	R	ug/kg		230	R	ug/kg		230	R	ug/kg		260	R	ug/kg	
1,1,1,2-Tetrachloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
1,2-Dibromo-3-chloropropane		12	UJ	ug/kg		12	UJ	ug/kg		11	UJ	ug/kg		13	UJ	ug/kg	
1,2-Dibromoethane		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg		7	UJ	ug/kg	
1,4-Dioxane		250	R	ug/kg		230	R	ug/kg		230	R	ug/kg		260	R	ug/kg	

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	R8665003				R8665005				R8665007				R8665009			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	56BS00104				56BS00204				56BS00304				56BS00405			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg		7	UJ	ug/kg	
Acetonitrile	120	U	ug/kg	120	120	U	ug/kg	120	110	U	ug/kg	110	130	U	ug/kg	130
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg		7	UJ	ug/kg	
Methyl methacrylate	12	UJ	ug/kg		12	UJ	ug/kg		11	UJ	ug/kg		13	UJ	ug/kg	
Pentachloroethane	12	UJ	ug/kg		12	UJ	ug/kg		11	UJ	ug/kg		13	UJ	ug/kg	
Propionitrile	120	UJ	ug/kg		120	UJ	ug/kg		110	UJ	ug/kg		130	UJ	ug/kg	
Vinyl acetate	12	U	ug/kg	12	12	U	ug/kg	12	11	U	ug/kg	11	13	U	ug/kg	13

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	R8665003			R8665005			R8665007			R8665009		
Site	RFADATA			RFADATA			RFADATA			RFADATA		
Locator	56BS00104			56BS00204			56BS00304			56BS00405		
Collect Date:	01-SEP-94			01-SEP-94			01-SEP-94			01-SEP-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
BKG SVOC (8270+24) ug/kg												
N-Nitrosodimethylamine	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Phenol	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Aniline	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
bis (2-Chloroethyl) ether	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
1,3-Dichlorobenzene	6	U ug/kg	6	6	U ug/kg	6	6	U ug/kg	6	880	U ug/kg	880
1,4-Dichlorobenzene	6	U ug/kg	6	6	U ug/kg	6	6	U ug/kg	6	7	U ug/kg	7
Benzyl Alcohol	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
1,2-Dichlorobenzene	830	U ug/kg	830	780	U ug/kg	780	6	U ug/kg	6	7	U ug/kg	7
2-Methylphenol	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
bis(2-Chloroisopropyl)ether	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
N-Nitroso-di-n-propylamine	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Hexachloroethane	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Nitrobenzene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Isophorone	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2-Nitrophenol	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2,4-Dimethylphenol	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Benzoic acid	4100	UJ ug/kg		3800	UJ ug/kg		3800	UJ ug/kg		4300	UJ ug/kg	
bis(2-Chloroethoxy)methane	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2,4-Dichlorophenol	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
1,2,4-Trichlorobenzene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Naphthalene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
4-Chloroaniline	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Hexachlorobutadiene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
4-Chloro-3-methylphenol	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2-Methylnaphthalene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Hexachlorocyclopentadiene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2,4,6-Trichlorophenol	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Dimethylphthalate	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2,4,5-Trichlorophenol	4100	U ug/kg	4100	3800	U ug/kg	3800	3800	U ug/kg	3800	4300	U ug/kg	4300
2-Chloronaphthalene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2-Nitroaniline	4100	U ug/kg	4100	3800	U ug/kg	3800	3800	U ug/kg	3800	4300	U ug/kg	4300
Acenaphthylene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2,6-Dinitrotoluene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
3-Nitroaniline	4100	U ug/kg	4100	3800	U ug/kg	3800	3800	U ug/kg	3800	4300	U ug/kg	4300
Acenaphthene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2,4-Dinitrophenol	4100	U ug/kg	4100	3800	U ug/kg	3800	3800	U ug/kg	3800	4300	U ug/kg	4300
4-Nitrophenol	4100	U ug/kg	4100	3800	U ug/kg	3800	3800	U ug/kg	3800	4300	U ug/kg	4300
Dibenzofuran	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
2,4-Dinitrotoluene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Diethylphthalate	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
4-Chlorophenyl-phenylether	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Fluorene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
4-Nitroaniline	4100	U ug/kg	4100	3800	U ug/kg	3800	3800	U ug/kg	3800	4300	U ug/kg	4300
4,6-Dinitro-2-methylphenol	4100	U ug/kg	4100	3800	U ug/kg	3800	3800	U ug/kg	3800	4300	U ug/kg	4300
N-Nitrosodiphenylamine (1)	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
1,2-Diphenylhydrazine	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
4-Bromophenyl-phenylether	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Hexachlorobenzene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880
Pentachlorophenol	4100	U ug/kg	4100	3800	U ug/kg	3800	3800	U ug/kg	3800	4300	U ug/kg	4300
Phenanthrene	830	U ug/kg	830	780	U ug/kg	780	770	U ug/kg	770	880	U ug/kg	880

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	R8665003				R8665005				R8665007				R8665009			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	56BS00104				56BS00204				56BS00304				56BS00405			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Di-n-Butylphthalate	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Fluoranthene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Pyrene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Butylbenzylphthalate	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
3,3'-Dichlorobenzidine	1600	U	ug/kg	1600	1600	U	ug/kg	1600	1500	U	ug/kg	1500	1800	U	ug/kg	1800
Benzo(a)anthracene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Chrysene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
bis(2-Ethylhexyl)phthalate	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Di-n-octylphthalate	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Benzo(b)fluoranthene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Benzo(k)fluoranthene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Benzo(a)pyrene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Indeno(1,2,3-cd)pyrene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Dibenz(a,h)anthracene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Benzo(g,h,i)perylene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
2-Picoline	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
Methyl methanesulfonate	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Ethyl methanesulfonate	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Acetophenone	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
N-Nitrosopiperidine	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Phenyl-tert-butylamine	4100	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		4300	UJ	ug/kg	
2,6-Dichlorophenol	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
N-Nitroso-di-n-butylamine	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
N-Nitrosodiethylamine	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
N-Nitrosopyrrolidine	830	UJ	ug/kg		780	UJ	ug/kg		770	UJ	ug/kg		880	UJ	ug/kg	
Benzidine	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
1,2,4,5-Tetrachlorobenzene	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
Pentachlorobenzene	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
1-Naphthylamine	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
2-Naphthylamine	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
2,3,4,6-Tetrachlorophenol	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Phenacetin	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
4-Aminobiphenyl	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
Pentachloronitrobenzene	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
Pronamide	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
p-(Dimethylamino)azobenzene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
7,12-Dimethylbenz(A)Anthracene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
3-Methylcholanthrene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Pyridine	4100	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		4300	UJ	ug/kg	
N-Nitrosomethylethylamine	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
N-Nitrosomorpholine	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
o-Toluidine	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Hexachloropropene	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
p-Phenylenediamine	41000	UJ	ug/kg		38000	UJ	ug/kg		38000	UJ	ug/kg		43000	UJ	ug/kg	
Safrole	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
Isosafrole	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
1,4-Naphthoquinone	82000	U	ug/kg	82000	77000	U	ug/kg	77000	76000	U	ug/kg	76000	87000	U	ug/kg	87000
1,3-Dinitrobenzene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
5-Nitro-o-toluidine	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
1,3,5-Trinitrobenzene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
4-Nitroquinoline-1-oxide	41000	U	ug/kg	41000	38000	U	ug/kg	38000	38000	U	ug/kg	38000	43000	U	ug/kg	43000

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	R8665003				R8665005				R8665007				R8665009			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	56BS00104				56BS00204				56BS00304				56BS00405			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	4100	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		4300	UJ	ug/kg	
3,3'-Dimethylbenzidine	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
Hexachlorophene	41000	R	ug/kg		38000	R	ug/kg		38000	R	ug/kg		43000	R	ug/kg	
Aramite	4100	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		4300	UJ	ug/kg	
2-Chlorophenol	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
3- & 4-Methylphenol (2)	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	4100	U	ug/kg	4100	3800	U	ug/kg	3800	3800	U	ug/kg	3800	4300	U	ug/kg	4300
2-Acetylaminofluorene	830	U	ug/kg	830	780	U	ug/kg	780	770	U	ug/kg	770	880	U	ug/kg	880

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	R8665003				R8665005				R8665007				R8665009			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	568S00104				568S00204				568S00304				568S00405			
Collect Date:	01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.84	U	ug/kg	.84	.78	U	ug/kg	.78	.77	U	ug/kg	.77	.88	U	ug/kg	.88
beta-BHC	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.7	U	ug/kg	1.7
delta-BHC	.84	U	ug/kg	.84	.78	U	ug/kg	.78	.77	U	ug/kg	.77	.88	U	ug/kg	.88
gamma-BHC (Lindane)	.84	U	ug/kg	.84	.78	U	ug/kg	.78	.77	U	ug/kg	.77	.88	U	ug/kg	.88
Heptachlor	.84	U	ug/kg	.84	.78	U	ug/kg	.78	.77	U	ug/kg	.77	.88	U	ug/kg	.88
Aldrin	.84	U	ug/kg	.84	.78	U	ug/kg	.78	.77	U	ug/kg	.77	.88	U	ug/kg	.88
Heptachlor epoxide	.84	U	ug/kg	.84	.78	U	ug/kg	.78	.77	U	ug/kg	.77	.88	U	ug/kg	.88
Endosulfan I	.84	U	ug/kg	.84	.78	U	ug/kg	.78	.77	U	ug/kg	.77	.88	U	ug/kg	.88
Dieldrin	.84	U	ug/kg	.84	.78	U	ug/kg	.78	.77	U	ug/kg	.77	.88	U	ug/kg	.88
4,4-DDE	1.8		ug/kg		6.3		ug/kg		2.4		ug/kg		2.1		ug/kg	
Endrin	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.7	U	ug/kg	1.7
Endosulfan II	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.7	U	ug/kg	1.7
4,4-DDD	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.7	U	ug/kg	1.7
Endosulfan sulfate	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.7	U	ug/kg	1.7
4,4-DDT	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.7	U	ug/kg	1.7
Methoxychlor	3.4	U	ug/kg	3.4	3.1	U	ug/kg	3.1	3.1	U	ug/kg	3.1	3.6	U	ug/kg	3.6
Endrin aldehyde	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.7	U	ug/kg	1.7
Endrin ketone	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.7	U	ug/kg	1.7
Chlordane	8.4	U	ug/kg	8.4	7.8	U	ug/kg	7.8	7.7	U	ug/kg	7.7	8.8	U	ug/kg	8.8
Chlorobenzilate	25	U	ug/kg	25	23	U	ug/kg	23	23	U	ug/kg	23	26	U	ug/kg	26
Diallate	50	U	ug/kg	50	47	U	ug/kg	47	46	U	ug/kg	46	53	U	ug/kg	53
Toxaphene	41	U	ug/kg	41	38	U	ug/kg	38	38	U	ug/kg	38	43	U	ug/kg	43
Isodrin	.84	U	ug/kg	.84	.78	U	ug/kg	.78	.77	U	ug/kg	.77	.88	U	ug/kg	.88
Kepone	50	UJ	ug/kg		47	UJ	ug/kg		46	UJ	ug/kg		53	U	ug/kg	53
Aroclor-1016	41	U	ug/kg	41	38	U	ug/kg	38	38	U	ug/kg	38	43	U	ug/kg	43
Aroclor-1221	84	U	ug/kg	84	78	U	ug/kg	78	77	U	ug/kg	77	88	U	ug/kg	88
Aroclor-1232	84	U	ug/kg	84	78	U	ug/kg	78	77	U	ug/kg	77	88	U	ug/kg	88
Aroclor-1242	41	U	ug/kg	41	38	U	ug/kg	38	38	U	ug/kg	38	43	U	ug/kg	43
Aroclor-1248	41	U	ug/kg	41	38	U	ug/kg	38	38	U	ug/kg	38	43	U	ug/kg	43
Aroclor-1254	20	U	ug/kg	20	19	U	ug/kg	19	18	U	ug/kg	18	21	U	ug/kg	21
Aroclor-1260	20	U	ug/kg	20	19	U	ug/kg	19	18	U	ug/kg	18	21	U	ug/kg	21

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		R8665003				R8665005				R8665007				R8665009			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		56BS00104				56BS00204				56BS00304				56BS00405			
Collect Date:		01-SEP-94				01-SEP-94				01-SEP-94				01-SEP-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS	mg/kg																
Antimony		1.2	U	mg/kg	1.2	1.2	U	mg/kg	1.2	1.2	U	mg/kg	1.2	1.3	U	mg/kg	1.3
Arsenic		.55	J	mg/kg		.61	J	mg/kg		.48	J	mg/kg		.42	J	mg/kg	
Barium		3.1	J	mg/kg		2.5	J	mg/kg		2.4	U	mg/kg	2.4	3.2	J	mg/kg	
Beryllium		.11	U	mg/kg	.11	.1	U	mg/kg	.1	.08	U	mg/kg	.08	.08	U	mg/kg	.08
Cadmium		.25	U	mg/kg	.25	.23	U	mg/kg	.23	.23	U	mg/kg	.23	.26	U	mg/kg	.26
Chromium		2.1	U	mg/kg	2.1	1.7	U	mg/kg	1.7	2.2	U	mg/kg	2.2	2	U	mg/kg	2
Cobalt		.77	U	mg/kg	.77	.72	U	mg/kg	.72	.72	U	mg/kg	.72	.82	U	mg/kg	.82
Copper		1.7	U	mg/kg	1.7	1.3	U	mg/kg	1.3	1.7	UJ	mg/kg		1.7	UJ	mg/kg	
Cyanide		.17	U	mg/kg	.17	.16	U	mg/kg	.16	.16	U	mg/kg	.16	.18	U	mg/kg	.18
Lead		1.2	J	mg/kg		.98	J	mg/kg		.92	J	mg/kg		.97	J	mg/kg	
Mercury		.04	UJ	mg/kg		.04	U	mg/kg	.04	.04	UJ	mg/kg		.05	U	mg/kg	.05
Nickel		1.5	U	mg/kg	1.5	1.4	U	mg/kg	1.4	1.4	U	mg/kg	1.4	1.6	U	mg/kg	1.6
Selenium		.15	UJ	mg/kg		.14	UJ	mg/kg		.14	UJ	mg/kg		.16	UJ	mg/kg	
Silver		.52	U	mg/kg	.52	.49	U	mg/kg	.49	.48	U	mg/kg	.48	.55	U	mg/kg	.55
Thallium		.15	U	mg/kg	.15	.14	U	mg/kg	.14	.14	U	mg/kg	.14	.16	U	mg/kg	.16
Tin		2	U	mg/kg	2	1.9	U	mg/kg	1.9	1.8	U	mg/kg	1.8	2.1	U	mg/kg	2.1
Vanadium		1.8	J	mg/kg		1.9	J	mg/kg		2	J	mg/kg		1.4	J	mg/kg	
Zinc		3.8	U	mg/kg	3.8	5.4	J	mg/kg		3.9	U	mg/kg	3.9	6.7	J	mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number: R8725005
Site RFADATA
Locator 56MW001S
Collect Date: 10-SEP-94

		VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/l				
Chloromethane		10	U	ug/l	10
Bromomethane		10	U	ug/l	10
Vinyl chloride		10	U	ug/l	10
Chloroethane		10	U	ug/l	10
Methylene chloride		5	U	ug/l	5
Acetone		14	J	ug/l	
Carbon disulfide		5	U	ug/l	5
1,1-Dichloroethane		5	U	ug/l	5
1,1-Dichloroethene		5	U	ug/l	5
1,2-Dichloroethene (total)		5	U	ug/l	5
Chloroform		5	U	ug/l	5
1,2-Dichloroethane		5	U	ug/l	5
2-Butanone		10	R	ug/l	
1,1,1-Trichloroethane		5	U	ug/l	5
Carbon tetrachloride		5	U	ug/l	5
Bromodichloromethane		5	U	ug/l	5
1,2-Dichloropropane		5	U	ug/l	5
cis-1,3-Dichloropropene		5	U	ug/l	5
Trichloroethene		5	U	ug/l	5
Dibromochloromethane		5	U	ug/l	5
1,1,2-Trichloroethane		5	U	ug/l	5
Benzene		5	U	ug/l	5
trans-1,3-Dichloropropene		5	U	ug/l	5
Bromoform		5	U	ug/l	5
4-Methyl-2-pentanone		10	U	ug/l	10
2-Hexanone		10	U	ug/l	10
Tetrachloroethene		5	U	ug/l	5
1,1,2,2-Tetrachloroethane		5	U	ug/l	5
Toluene		5	U	ug/l	5
Chlorobenzene		5	U	ug/l	5
Ethylbenzene		5	U	ug/l	5
Styrene		5	U	ug/l	5
Xylenes (total)		5	U	ug/l	5
Trichlorofluoromethane		5	U	ug/l	5
1,3-Dichlorobenzene		10	U	ug/l	10
Acrolein		100	U	ug/l	100
Iodomethane		10	U	ug/l	10
1,4-Dichlorobenzene		10	U	ug/l	10
Acrylonitrile		100	U	ug/l	100
Dibromomethane		5	U	ug/l	5
1,2-Dichlorobenzene		10	U	ug/l	10
2-Chloroethylvinylether		10	UJ	ug/l	
Ethyl methacrylate		5	U	ug/l	5
1,2,3-Trichloropropane		5	U	ug/l	5
trans-1,4-Dichloro-2-butene		5	U	ug/l	5
Isobutyl alcohol		200	R	ug/l	
1,1,1,2-Tetrachloroethane		5	U	ug/l	5
1,2-Dibromo-3-chloropropane		10	UJ	ug/l	
1,2-Dibromoethane		5	UJ	ug/l	
1,4-Dioxane		200	R	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8725005
Site	RFADATA
Locator	56MW001S
Collect Date:	10-SEP-94

	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	UJ	ug/l	
Acetonitrile	100	U	ug/l	100
Chloroprene	-		ug/l	
Methacrylonitrile	5	UJ	ug/l	
Methyl methacrylate	10	UJ	ug/l	
Pentachloroethane	10	UJ	ug/l	
Propionitrile	100	UJ	ug/l	
Vinyl acetate	10	U	ug/l	10

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J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number: R8725005
Site RFADATA
Locator 56MW001S
Collect Date: 10-SEP-94

		VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/l				
N-Nitrosodimethylamine		10	U	ug/l	10
Phenol		10	U	ug/l	10
Aniline		10	U	ug/l	10
bis (2-Chloroethyl) ether		10	U	ug/l	10
1,3-Dichlorobenzene		10	U	ug/l	10
1,4-Dichlorobenzene		10	U	ug/l	10
Benzyl Alcohol		10	U	ug/l	10
1,2-Dichlorobenzene		10	U	ug/l	10
2-Methylphenol		10	U	ug/l	10
bis(2-Chloroisopropyl)ether		10	U	ug/l	10
N-Nitroso-di-n-propylamine		10	U	ug/l	10
Hexachloroethane		10	U	ug/l	10
Nitrobenzene		10	U	ug/l	10
Isophorone		10	U	ug/l	10
2-Nitrophenol		10	U	ug/l	10
2,4-Dimethylphenol		10	U	ug/l	10
Benzoic acid		50	U	ug/l	50
bis(2-Chloroethoxy)methane		10	U	ug/l	10
2,4-Dichlorophenol		10	U	ug/l	10
1,2,4-Trichlorobenzene		10	U	ug/l	10
Naphthalene		10	U	ug/l	10
4-Chloroaniline		10	U	ug/l	10
Hexachlorobutadiene		10	U	ug/l	10
4-Chloro-3-methylphenol		10	U	ug/l	10
2-Methylnaphthalene		10	U	ug/l	10
Hexachlorocyclopentadiene		10	U	ug/l	10
2,4,6-Trichlorophenol		10	U	ug/l	10
Dimethylphthalate		10	U	ug/l	10
2,4,5-Trichlorophenol		50	U	ug/l	50
2-Chloronaphthalene		10	U	ug/l	10
2-Nitroaniline		50	U	ug/l	50
Acenaphthylene		10	U	ug/l	10
2,6-Dinitrotoluene		10	U	ug/l	10
3-Nitroaniline		50	U	ug/l	50
Acenaphthene		10	U	ug/l	10
2,4-Dinitrophenol		50	U	ug/l	50
4-Nitrophenol		50	U	ug/l	50
Dibenzofuran		10	U	ug/l	10
2,4-Dinitrotoluene		10	U	ug/l	10
Diethylphthalate		10	U	ug/l	10
4-Chlorophenyl-phenylether		10	U	ug/l	10
Fluorene		10	U	ug/l	10
4-Nitroaniline		50	U	ug/l	50
4,6-Dinitro-2-methylphenol		50	U	ug/l	50
N-Nitrosodiphenylamine (1)		10	U	ug/l	10
1,2-Diphenylhydrazine		10	U	ug/l	10
4-Bromophenyl-phenylether		10	U	ug/l	10
Hexachlorobenzene		10	U	ug/l	10
Pentachlorophenol		50	U	ug/l	50
Phenanthrene		10	U	ug/l	10

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8725005			
Site	RFADATA			
Locator	56MW001S			
Collect Date:	10-SEP-94			
	VALUE	QUAL	UNITS	DL
Anthracene	10	U	ug/l	10
Di-n-Butylphthalate	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10
Pyrene	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10
3,3'-Dichlorobenzidine	20	U	ug/l	20
Benzo(a)anthracene	10	U	ug/l	10
Chrysene	10	U	ug/l	10
bis(2-Ethylhexyl)phthalate	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10
Benzo(b)fluoranthene	10	U	ug/l	10
Benzo(k)fluoranthene	10	U	ug/l	10
Benzo(a)pyrene	10	U	ug/l	10
Indeno(1,2,3-cd)pyrene	10	U	ug/l	10
Dibenz(a,h)anthracene	10	U	ug/l	10
Benzo(g,h,i)perylene	10	U	ug/l	10
2-Picoline	50	U	ug/l	50
Methyl methanesulfonate	10	U	ug/l	10
Ethyl methanesulfonate	10	U	ug/l	10
Acetophenone	10	U	ug/l	10
N-Nitrosopiperidine	10	U	ug/l	10
Phenyl-tert-butylamine	50	U	ug/l	50
2,6-Dichlorophenol	10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	U	ug/l	10
N-Nitrosodiethylamine	10	U	ug/l	10
N-Nitrosopyrrolidine	10	U	ug/l	10
Benzidine	50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50
Pentachlorobenzene	50	U	ug/l	50
1-Naphthylamine	50	U	ug/l	50
2-Naphthylamine	50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10
Phenacetin	10	U	ug/l	10
4-Aminobiphenyl	50	U	ug/l	50
Pentachloronitrobenzene	50	U	ug/l	50
Pronamide	10	U	ug/l	10
p-(Dimethylamino)azobenzene	10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10
3-Methylcholanthrene	10	U	ug/l	10
Pyridine	50	U	ug/l	50
N-Nitrosomethylethylamine	10	U	ug/l	10
N-Nitrosomorpholine	10	U	ug/l	10
o-Toluidine	10	U	ug/l	10
Hexachloropropene	50	U	ug/l	50
p-Phenylenediamine	500	U	ug/l	500
Safrole	50	U	ug/l	50
Isosafrole	50	U	ug/l	50
1,4-Naphthoquinone	1000	U	ug/l	1000
1,3-Dinitrobenzene	10	U	ug/l	10
5-Nitro-o-toluidine	10	U	ug/l	10
1,3,5-Trinitrobenzene	10	U	ug/l	10
4-Nitroquinoline-1-oxide	500	UJ	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8725005			
Site	RFADATA			
Locator	56MW001S			
Collect Date:	10-SEP-94			
	VALUE	QUAL	UNITS	DL
Methapyrilene	50	U	ug/l	50
3,3'-Dimethylbenzidine	10	U	ug/l	10
Hexachlorophene	500	UJ	ug/l	
Aramite	50	U	ug/l	50
2-Chlorophenol	10	U	ug/l	10
3- & 4-Methylphenol (2)	10	U	ug/l	10
4-Methylphenol	-		ug/l	
Diphenylamine	-		ug/l	
Hexachloropropene	50	U	ug/l	50
2-Acetylaminofluorene	10	U	ug/l	10

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THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8725005
Site	RFADATA
Locator	56MW001S
Collect Date:	10-SEP-94

		VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080)	ug/l				
alpha-BHC		.02	U	ug/l	.02
beta-BHC		.04	U	ug/l	.04
delta-BHC		.02	U	ug/l	.02
gamma-BHC (Lindane)		.02	U	ug/l	.02
Heptachlor		.02	U	ug/l	.02
Aldrin		.02	U	ug/l	.02
Heptachlor epoxide		.02	U	ug/l	.02
Endosulfan I		.02	U	ug/l	.02
Dieldrin		.02	U	ug/l	.02
4,4-DDE		.02	U	ug/l	.02
Endrin		.04	U	ug/l	.04
Endosulfan II		.04	U	ug/l	.04
4,4-DDD		.04	U	ug/l	.04
Endosulfan sulfate		.04	U	ug/l	.04
4,4-DDT		.04	U	ug/l	.04
Methoxychlor		.08	U	ug/l	.08
Endrin aldehyde		.04	U	ug/l	.04
Endrin ketone		.04	U	ug/l	.04
Chlordane		.2	U	ug/l	.2
Chlorobenzilate		.5	U	ug/l	.5
Diallate		1	U	ug/l	1
Toxaphene		1	U	ug/l	1
Isodrin		.02	U	ug/l	.02
Kepone		1	UJ	ug/l	
Aroclor-1016		1	U	ug/l	1
Aroclor-1221		2	U	ug/l	2
Aroclor-1232		2	U	ug/l	2
Aroclor-1242		1	U	ug/l	1
Aroclor-1248		1	U	ug/l	1
Aroclor-1254		.5	U	ug/l	.5
Aroclor-1260		.5	U	ug/l	.5

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8726005
Site	RFADATA
Locator	56MW001S
Collect Date:	10-SEP-94

		VALUE	QUAL	UNITS	DL
BKG WATER METALS	ug/l				
Antimony		5	U	ug/l	5
Arsenic		.6	U	ug/l	.6
Barium		9.7	J	ug/l	
Beryllium		.3	U	ug/l	.3
Cadmium		1	U	ug/l	1
Calcium		97100		ug/l	
Chromium		2.6	U	ug/l	2.6
Cobalt		3.1	U	ug/l	3.1
Copper		.9	U	ug/l	.9
Cyanide		2.7	U	ug/l	2.7
Iron		477		ug/l	
Lead		.6	U	ug/l	.6
Magnesium		36100		ug/l	
Manganese		89.4		ug/l	
Mercury		.5	UJ	ug/l	
Nickel		5.9	U	ug/l	5.9
Selenium		.6	U	ug/l	.6
Silver		2.1	U	ug/l	2.1
Sodium		240000		ug/l	
Thallium		.6	U	ug/l	.6
Tin		8	U	ug/l	8
Vanadium		3.8	J	ug/l	
Zinc		2.9	U	ug/l	2.9

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		R8724005			
Site		RFADATA			
Locator		56MW001S			
Collect Date:		10-SEP-94			
		VALUE	QUAL	UNITS	DL
GROUND WATER QUALITY	mg/l				
Alkalinity as CaCO3		283		mg/l	
Ammonia-N		1.8		mg/l	
Chloride		44.3		mg/l	
Hardness as CaCO3		300		mg/l	
Nitrate/Nitrite-N		.48		mg/l	
Oil and Grease		5	U	mg/l	5
Phosphorous-P, Total		1.33		mg/l	
Sulfate		50		mg/l	
Sulfide		2.4		mg/l	
Total Dissolved Solids		426		mg/l	
Total Kjeldahl Nitrogen		2.2		mg/l	
Total Organic Carbon		14		mg/l	
COLOR	APHA				
Color		120		APHA	
pH	units				
pH		6.71		units	
TOTAL PETROLEUM HYDROCARBONS	mg/l				
Total petroleum hydrocarbon		-		mg/l	

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J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		R8271001				R8271002				R8271003				R8271004			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		19SS001				19SS001D				19SS002				19SS003			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Bromomethane		10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Vinyl chloride		10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Chloroethane		10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Methylene chloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetone		10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		10	UJ	ug/kg		10	UJ	ug/kg		10	UJ	ug/kg		10	UJ	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
2-Hexanone		10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acrolein		100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100	100	UJ	ug/kg	
Iodomethane		10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	UJ	ug/kg	
1,4-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	690	U	ug/kg	690	690	U	ug/kg	690
Acrylonitrile		100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100
Dibromomethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	690	U	ug/kg	690	690	U	ug/kg	690
2-Chloroethylvinylether		10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Ethyl methacrylate		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg	
1,1,1,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane		10	UJ	ug/kg		10	UJ	ug/kg		10	UJ	ug/kg		10	U	ug/kg	10
1,2-Dibromoethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg	

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8271001				R8271002				R8271003				R8271004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19SS001				19SS001D				19SS002				19SS003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	UJ	ug/kg		5	UJ	ug/kg		5	UJ	ug/kg		5	U	ug/kg	5
Acetonitrile	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Pentachloroethane	10	UJ	ug/kg		10	UJ	ug/kg		10	UJ	ug/kg		10	UJ	ug/kg	
Propionitrile	100	UJ	ug/kg		100	UJ	ug/kg		100	UJ	ug/kg		100	U	ug/kg	100
Vinyl acetate	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		R8271005			R8271006			R8271007		
Site		RFADATA			RFADATA			RFADATA		
Locator		19SS004			19SS005			19SS006		
Collect Date:		30-JUN-94			30-JUN-94			30-JUN-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg									
Chloromethane		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10
Bromomethane		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10
Vinyl chloride		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10
Chloroethane		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10
Methylene chloride		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Acetone		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10
Carbon disulfide		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,1-Dichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,1-Dichloroethene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichloroethene (total)		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Chloroform		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
2-Butanone		11 UJ	ug/kg		10 UJ	ug/kg		10 UJ	ug/kg	
1,1,1-Trichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Carbon tetrachloride		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Bromodichloromethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichloropropane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
cis-1,3-Dichloropropene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Trichloroethene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Dibromochloromethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,1,2-Trichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Benzene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
trans-1,3-Dichloropropene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Bromoform		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
4-Methyl-2-pentanone		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10
2-Hexanone		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10
Tetrachloroethene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,1,2,2-Tetrachloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Toluene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Chlorobenzene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Ethylbenzene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Styrene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Xylenes (total)		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Trichlorofluoromethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,3-Dichlorobenzene		5 U	ug/kg	5	690 U	ug/kg	690	5 U	ug/kg	5
Acrolein		110 UJ	ug/kg		100 UJ	ug/kg		100 UJ	ug/kg	
Iodomethane		11 UJ	ug/kg		10 UJ	ug/kg		10 UJ	ug/kg	
1,4-Dichlorobenzene		5 U	ug/kg	5	690 U	ug/kg	690	5 U	ug/kg	5
Acrylonitrile		110 U	ug/kg	110	100 U	ug/kg	100	100 U	ug/kg	100
Dibromomethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8271005				R8271006				R8271007			
Site	RFADATA				RFADATA				RFADATA			
Locator	19SS004				19SS005				19SS006			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5	680	U	ug/kg	680
2-Chloroethylvinylether	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
Ethyl methacrylate	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol	210	R	ug/kg		210	R	ug/kg		210	R	ug/kg	
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
1,2-Dibromoethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane	210	R	ug/kg		210	R	ug/kg		210	R	ug/kg	
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10
Pentachloroethane	11	UJ	ug/kg		10	UJ	ug/kg		10	UJ	ug/kg	
Propionitrile	110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100
Vinyl acetate	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		R8271001				R8271002				R8271003				R8271004			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		19SS001				19SS001D				19SS002				19SS003			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Phenol		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Aniline		680	UJ	ug/kg		680	UJ	ug/kg		690	UJ	ug/kg		690	UJ	ug/kg	
bis (2-Chloroethyl) ether		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
1,3-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	690	U	ug/kg	690	690	U	ug/kg	690
Benzyl Alcohol		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
1,2-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	690	U	ug/kg	690	690	U	ug/kg	690
2-Methylphenol		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
bis(2-Chloroisopropyl)ether		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
N-Nitroso-di-n-propylamine		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Hexachloroethane		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Nitrobenzene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Isophorone		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2-Nitrophenol		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2,4-Dimethylphenol		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Benzoic acid		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
bis(2-Chloroethoxy)methane		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2,4-Dichlorophenol		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
1,2,4-Trichlorobenzene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Naphthalene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
4-Chloroaniline		680	UJ	ug/kg		680	UJ	ug/kg		690	U	ug/kg	690	690	UJ	ug/kg	
Hexachlorobutadiene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
4-Chloro-3-methylphenol		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2-Methylnaphthalene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Hexachlorocyclopentadiene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2,4,6-Trichlorophenol		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Dimethylphthalate		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2,4,5-Trichlorophenol		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2-Chloronaphthalene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2-Nitroaniline		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Acenaphthylene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2,6-Dinitrotoluene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
3-Nitroaniline		3300	UJ	ug/kg		3300	UJ	ug/kg		3300	U	ug/kg	3300	3300	UJ	ug/kg	
Acenaphthene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2,4-Dinitrophenol		3300	UJ	ug/kg		3300	UJ	ug/kg		3300	UJ	ug/kg		3300	UJ	ug/kg	
4-Nitrophenol		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Dibenzofuran		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2,4-Dinitrotoluene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Diethylphthalate		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
4-Chlorophenyl-phenylether		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Fluorene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
4-Nitroaniline		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
4,6-Dinitro-2-methylphenol		3300	UJ	ug/kg		3300	UJ	ug/kg		3300	UJ	ug/kg		3300	UJ	ug/kg	
N-Nitrosodiphenylamine (1)		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
1,2-Diphenylhydrazine		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
4-Bromophenyl-phenylether		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Hexachlorobenzene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Pentachlorophenol		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Phenanthrene		680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8271001				R8271002				R8271003				R8271004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19SS001				19SS001D				19SS002				19SS003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Di-n-Butylphthalate	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Fluoranthene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Pyrene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Butylbenzylphthalate	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
3,3'-Dichlorobenzidine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1400	U	ug/kg	1400
Benzo(a)anthracene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Chrysene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
bis(2-Ethylhexyl)phthalate	680	U	ug/kg	680	72	J	ug/kg		690	U	ug/kg	690	690	U	ug/kg	690
Di-n-octylphthalate	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Benzo(b)fluoranthene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	79	J	ug/kg	
Benzo(k)fluoranthene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Benzo(a)pyrene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Indeno(1,2,3-cd)pyrene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Dibenz(a,h)anthracene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Benzo(g,h,i)perylene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
2-Picoline	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Methyl methanesulfonate	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Ethyl methanesulfonate	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Acetophenone	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
N-Nitrosopiperidine	680	UJ	ug/kg		680	UJ	ug/kg		690	U	ug/kg	690	690	UJ	ug/kg	
Phenyl-tert-butylamine	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2,6-Dichlorophenol	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
N-Nitroso-di-n-butylamine	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
N-Nitrosodiethylamine	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
N-Nitrosopyrrolidine	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Benzidine	3300	UJ	ug/kg		3300	UJ	ug/kg		3300	UJ	ug/kg		3300	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Pentachlorobenzene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
1-Naphthylamine	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2-Naphthylamine	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2,3,4,6-Tetrachlorophenol	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Phenacetin	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
4-Aminobiphenyl	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Pentachloronitrobenzene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Pronamide	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
p-(Dimethylamino)azobenzene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
7,12-Dimethylbenz(A)Anthracene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
3-Methylcholanthrene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Pyridine	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
N-Nitrosomethylethylamine	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
N-Nitrosomorpholine	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
o-Toluidine	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Hexachloropropene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
p-Phenylenediamine	33000	UJ	ug/kg		33000	UJ	ug/kg		33000	U	ug/kg	33000	33000	UJ	ug/kg	
Safrole	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Isosafrole	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
1,4-Naphthoquinone	68000	U	ug/kg	68000	68000	U	ug/kg	68000	69000	U	ug/kg	69000	69000	U	ug/kg	69000
1,3-Dinitrobenzene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
5-Nitro-o-toluidine	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
1,3,5-Trinitrobenzene	680	UJ	ug/kg		680	UJ	ug/kg		690	UJ	ug/kg		690	UJ	ug/kg	
4-Nitroquinoline-1-oxide	33000	UJ	ug/kg		33000	UJ	ug/kg		33000	UJ	ug/kg		33000	UJ	ug/kg	

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8271001				R8271002				R8271003				R8271004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19SS001				19SS001D				19SS002				19SS003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	UJ	ug/kg		3300	U	ug/kg	3300
3,3'-Dimethylbenzidine	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
Hexachlorophene	33000	R	ug/kg		33000	R	ug/kg		33000	UJ	ug/kg		33000	R	ug/kg	
Aramite	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2-Chlorophenol	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
3- & 4-Methylphenol (2)	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2-Acetylaminofluorene	680	U	ug/kg	680	680	U	ug/kg	680	690	U	ug/kg	690	690	U	ug/kg	690

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		R8271005				R8271006				R8271007			
Site		RFADATA				RFADATA				RFADATA			
Locator		19SS004				19SS005				19SS006			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
IKG SVOC (8270+24)	ug/kg												
N-Nitrosodimethylamine		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Phenol		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Aniline		690	UJ	ug/kg		690	UJ	ug/kg		680	UJ	ug/kg	
bis (2-Chloroethyl) ether		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
1,3-Dichlorobenzene		5	U	ug/kg	5	690	U	ug/kg	690	5	U	ug/kg	5
1,4-Dichlorobenzene		5	U	ug/kg	5	690	U	ug/kg	690	5	U	ug/kg	5
Benzyl Alcohol		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
1,2-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	680	U	ug/kg	680
2-Methylphenol		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
bis(2-Chloroisopropyl)ether		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
N-Nitroso-di-n-propylamine		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Hexachloroethane		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Nitrobenzene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Isophorone		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2-Nitrophenol		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2,4-Dimethylphenol		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Benzoic acid		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
bis(2-Chloroethoxy)methane		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2,4-Dichlorophenol		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
1,2,4-Trichlorobenzene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Naphthalene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
4-Chloroaniline		690	UJ	ug/kg		690	U	ug/kg	690	680	U	ug/kg	680
Hexachlorobutadiene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
4-Chloro-3-methylphenol		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2-Methylnaphthalene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Hexachlorocyclopentadiene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2,4,6-Trichlorophenol		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Dimethylphthalate		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2,4,5-Trichlorophenol		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2-Chloronaphthalene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2-Nitroaniline		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Acenaphthylene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2,6-Dinitrotoluene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
3-Nitroaniline		3300	UJ	ug/kg		3300	U	ug/kg	3300	3300	U	ug/kg	3300
Acenaphthene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2,4-Dinitrophenol		3300	UJ	ug/kg		3300	UJ	ug/kg		3300	UJ	ug/kg	
4-Nitrophenol		3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Dibenzofuran		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2,4-Dinitrotoluene		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Diethylphthalate		690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8271005				R8271006				R8271007			
Site	RFADATA				RFADATA				RFADATA			
Locator	19SS004				19SS005				19SS006			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Fluorene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
4-Nitroaniline	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
4,6-Dinitro-2-methylphenol	3300	UJ	ug/kg		3300	UJ	ug/kg		3300	UJ	ug/kg	
N-Nitrosodiphenylamine (1)	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
1,2-Diphenylhydrazine	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
4-Bromophenyl-phenylether	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Hexachlorobenzene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Pentachlorophenol	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Phenanthrene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Anthracene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Di-n-Butylphthalate	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Fluoranthene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Pyrene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Butylbenzylphthalate	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
3,3'-Dichlorobenzidine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	1400	U	ug/kg	1400
Benzo(a)anthracene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Chrysene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
bis(2-Ethylhexyl)phthalate	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Di-n-octylphthalate	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Benzo(b)fluoranthene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Benzo(k)fluoranthene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Benzo(a)pyrene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Indeno(1,2,3-cd)pyrene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Dibenz(a,h)anthracene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Benzo(g,h,i)perylene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
2-Picoline	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Methyl methanesulfonate	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Ethyl methanesulfonate	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Acetophenone	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
N-Nitrosopiperidine	690	UJ	ug/kg		690	U	ug/kg	690	680	U	ug/kg	680
Phenyl-tert-butylamine	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2,6-Dichlorophenol	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
N-Nitroso-di-n-butylamine	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
N-Nitrosodiethylamine	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
N-Nitrosopyrrolidine	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Benzidine	3300	UJ	ug/kg		3300	UJ	ug/kg		3300	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Pentachlorobenzene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
1-Naphthylamine	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2-Naphthylamine	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2,3,4,6-Tetrachlorophenol	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Phenacetin	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
4-Aminobiphenyl	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Pentachloronitrobenzene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Pronamide	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
p-(Dimethylamino)azobenzene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
7,12-Dimethylbenz(A)Anthracene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
3-Methylcholanthrene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Pyridine	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
N-Nitrosomethylethylamine	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
N-Nitrosomorpholine	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8271005				R8271006				R8271007			
Site	RFADATA				RFADATA				RFADATA			
Locator	19SS004				19SS005				19SS006			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Hexachloropropene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
p-Phenylenediamine	33000	UJ	ug/kg		33000	U	ug/kg	33000	33000	U	ug/kg	33000
Safrole	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
Isosafrole	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
1,4-Naphthoquinone	69000	U	ug/kg	69000	69000	U	ug/kg	69000	68000	U	ug/kg	68000
1,3-Dinitrobenzene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
5-Nitro-o-toluidine	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
1,3,5-Trinitrobenzene	690	UJ	ug/kg		690	UJ	ug/kg		680	UJ	ug/kg	
4-Nitroquinoline-1-oxide	33000	UJ	ug/kg		33000	UJ	ug/kg		33000	UJ	ug/kg	
Methapyrilene	3300	U	ug/kg	3300	3300	UJ	ug/kg		3300	UJ	ug/kg	
3,3'-Dimethylbenzidine	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
Hexachlorophene	33000	R	ug/kg		33000	UJ	ug/kg		33000	UJ	ug/kg	
Aramite	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2-Chlorophenol	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
3- & 4-Methylphenol (2)	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	3300	U	ug/kg	3300	3300	U	ug/kg	3300	3300	U	ug/kg	3300
2-Acetylaminofluorene	690	U	ug/kg	690	690	U	ug/kg	690	680	U	ug/kg	680

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		R8271001			R8271002			R8271003			R8271004		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		19SS001			19SS001D			19SS002			19SS003		
Collect Date:		30-JUN-94			30-JUN-94			30-JUN-94			30-JUN-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080)	ug/kg												
alpha-BHC		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
beta-BHC		1.3 U	ug/kg	1.3	1.3 U	ug/kg	1.3	1.4 U	ug/kg	1.4	1.3 U	ug/kg	1.3
delta-BHC		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
gamma-BHC (Lindane)		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
Heptachlor		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
Aldrin		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
Heptachlor epoxide		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
Endosulfan I		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
Dieldrin		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
4,4-DDE		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
Endrin		1.3 U	ug/kg	1.3	1.3 U	ug/kg	1.3	1.4 U	ug/kg	1.4	1.3 U	ug/kg	1.3
Endosulfan II		1.3 U	ug/kg	1.3	1.3 U	ug/kg	1.3	1.4 U	ug/kg	1.4	1.3 U	ug/kg	1.3
4,4-DDD		1.3 U	ug/kg	1.3	1.3 U	ug/kg	1.3	1.4 U	ug/kg	1.4	1.3 U	ug/kg	1.3
Endosulfan sulfate		1.3 U	ug/kg	1.3	1.3 U	ug/kg	1.3	1.4 U	ug/kg	1.4	1.3 U	ug/kg	1.3
4,4-DDT		1.3 U	ug/kg	1.3	1.3 U	ug/kg	1.3	1.4 U	ug/kg	1.4	1.3 U	ug/kg	1.3
Methoxychlor		2.8 U	ug/kg	2.8	2.8 U	ug/kg	2.8	2.8 U	ug/kg	2.8	2.8 U	ug/kg	2.8
Endrin aldehyde		1.3 U	ug/kg	1.3	1.3 U	ug/kg	1.3	1.4 U	ug/kg	1.4	1.3 U	ug/kg	1.3
Endrin ketone		1.3 U	ug/kg	1.3	1.3 U	ug/kg	1.3	1.4 U	ug/kg	1.4	1.3 U	ug/kg	1.3
Chlordane		6.9 U	ug/kg	6.9	6.9 U	ug/kg	6.9	6.9 U	ug/kg	6.9	7 U	ug/kg	7
Chlorobenzilate		21 U	ug/kg	21	21 U	ug/kg	21	21 U	ug/kg	21	21 U	ug/kg	21
Diallate		41 U	ug/kg	41	41 U	ug/kg	41	42 U	ug/kg	42	42 U	ug/kg	42
Toxaphene		34 U	ug/kg	34	34 U	ug/kg	34	34 U	ug/kg	34	34 U	ug/kg	34
Isodrin		.69 U	ug/kg	.69	.69 U	ug/kg	.69	.7 U	ug/kg	.7	.7 U	ug/kg	.7
Kepone		41 U	ug/kg	41	41 U	ug/kg	41	42 U	ug/kg	42	42 U	ug/kg	42
Aroclor-1016		34 U	ug/kg	34	34 U	ug/kg	34	34 U	ug/kg	34	34 U	ug/kg	34
Aroclor-1221		69 U	ug/kg	69	69 U	ug/kg	69	70 U	ug/kg	70	70 U	ug/kg	70
Aroclor-1232		69 U	ug/kg	69	69 U	ug/kg	69	70 U	ug/kg	70	70 U	ug/kg	70
Aroclor-1242		34 U	ug/kg	34	34 U	ug/kg	34	34 U	ug/kg	34	34 U	ug/kg	34
Aroclor-1248		34 U	ug/kg	34	34 U	ug/kg	34	34 U	ug/kg	34	34 U	ug/kg	34
Aroclor-1254		17 U	ug/kg	17	17 U	ug/kg	17	17 U	ug/kg	17	17 U	ug/kg	17
Aroclor-1260		17 U	ug/kg	17	17 U	ug/kg	17	17 U	ug/kg	17	17 U	ug/kg	17

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8271005				R8271006				R8271007			
Site	RFADATA				RFADATA				RFADATA			
Locator	19SS004				19SS005				19SS006			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg												
alpha-BHC	.7	U	ug/kg	.7	.7	U	ug/kg	.7	.69	U	ug/kg	.69
beta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3
delta-BHC	.7	U	ug/kg	.7	.7	U	ug/kg	.7	.69	U	ug/kg	.69
gamma-BHC (Lindane)	.7	U	ug/kg	.7	.7	U	ug/kg	.7	.69	U	ug/kg	.69
Heptachlor	.7	U	ug/kg	.7	.7	U	ug/kg	.7	.69	U	ug/kg	.69
Aldrin	.7	U	ug/kg	.7	.7	U	ug/kg	.7	.69	U	ug/kg	.69
Heptachlor epoxide	.7	U	ug/kg	.7	.7	U	ug/kg	.7	.69	U	ug/kg	.69
Endosulfan I	.7	U	ug/kg	.7	.7	U	ug/kg	.7	.69	U	ug/kg	.69
Dieldrin	.7	U	ug/kg	.7	.7	U	ug/kg	.7	.69	U	ug/kg	.69
4,4-DDE	.7	U	ug/kg	.7	3.3	J	ug/kg		1.3	J	ug/kg	
Endrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3
Endosulfan II	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3
4,4-DDD	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3
4,4-DDT	1.4	U	ug/kg	1.4	2.2	J	ug/kg		3.4	J	ug/kg	
Methoxychlor	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8
Endrin aldehyde	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3
Endrin ketone	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3
Chlordane	7	U	ug/kg	7	7	U	ug/kg	7	6.9	U	ug/kg	6.9
Chlorobenzilate	21	U	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21
Diallate	42	U	ug/kg	42	41	U	ug/kg	41	42	U	ug/kg	42
Toxaphene	35	U	ug/kg	35	35	U	ug/kg	35	34	U	ug/kg	34
Isodrin	.7	U	ug/kg	.7	.7	U	ug/kg	.7	.69	U	ug/kg	.69
Kepone	42	U	ug/kg	42	42	U	ug/kg	42	41	U	ug/kg	41
Aroclor-1016	35	U	ug/kg	35	35	U	ug/kg	35	34	U	ug/kg	34
Aroclor-1221	70	U	ug/kg	70	70	U	ug/kg	70	69	U	ug/kg	69
Aroclor-1232	70	U	ug/kg	70	70	U	ug/kg	70	69	U	ug/kg	69
Aroclor-1242	35	U	ug/kg	35	35	U	ug/kg	35	34	U	ug/kg	34
Aroclor-1248	35	U	ug/kg	35	35	U	ug/kg	35	34	U	ug/kg	34
Aroclor-1254	17	U	ug/kg	17	17	U	ug/kg	17	17	U	ug/kg	17
Aroclor-1260	17	U	ug/kg	17	17	U	ug/kg	17	17	U	ug/kg	17

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	R8271001				R8271002				R8271003				R8271004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19SS001				19SS001D				19SS002				19SS003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1
Arsenic	.58	J	mg/kg		.5	J	mg/kg		.88	J	mg/kg		.56	J	mg/kg	
Barium	23.7	J	mg/kg		7.8	J	mg/kg		4.8	J	mg/kg		2.5	J	mg/kg	
Beryllium	.4	J	mg/kg		.09	J	mg/kg		.08	J	mg/kg		.07	J	mg/kg	
Cadmium	.38	J	mg/kg		1	J	mg/kg		.22	J	mg/kg		.21	U	mg/kg	.21
Chromium	15.8	J	mg/kg		5	J	mg/kg		1.6	J	mg/kg		2.5	J	mg/kg	
Cobalt	1.5	U	mg/kg	1.5	.64	U	mg/kg	.64	.65	U	mg/kg	.65	.64	U	mg/kg	.64
Copper	9.7	J	mg/kg		5.3	J	mg/kg		2.9	J	mg/kg		2.3	J	mg/kg	
Cyanide	.14	U	mg/kg	.14	.14	U	mg/kg	.14	.14	U	mg/kg	.14	.14	U	mg/kg	.14
Lead	11.4	J	mg/kg		4.2	J	mg/kg		1.1	J	mg/kg		1.6	J	mg/kg	
Mercury	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Nickel	4	J	mg/kg		1.2	U	mg/kg	1.2	1.2	U	mg/kg	1.2	1.2	U	mg/kg	1.2
Selenium	.14	J	mg/kg		.12	U	mg/kg	.12	.13	U	mg/kg	.13	.12	U	mg/kg	.12
Silver	.43	U	mg/kg	.43	.43	U	mg/kg	.43	.44	U	mg/kg	.44	.44	U	mg/kg	.44
Thallium	.14	U	mg/kg	.14	.14	U	mg/kg	.14	.14	U	mg/kg	.14	.14	U	mg/kg	.14
Tin	4.2	U	mg/kg	4.2	4.2	U	mg/kg	4.2	4.7	U	mg/kg	4.7	4.2	U	mg/kg	4.2
Vanadium	7.8	J	mg/kg		3	J	mg/kg		3.8	J	mg/kg		1.5	J	mg/kg	
Zinc	32.6	J	mg/kg		10.8	J	mg/kg		3.8	J	mg/kg		4	J	mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		R8271005				R8271006				R8271007			
Site		RFADATA				RFADATA				RFADATA			
Locator		19SS004				19SS005				19SS006			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS	mg/kg												
Antimony		1	U	mg/kg	1	1	U	mg/kg	1	1	U	mg/kg	1
Arsenic		.5	J	mg/kg		1.2	J	mg/kg		.39	J	mg/kg	
Barium		2	J	mg/kg		13.2	J	mg/kg		1.8	J	mg/kg	
Beryllium		.06	U	mg/kg	.06	.26	J	mg/kg		.06	U	mg/kg	.06
Cadmium		.21	U	mg/kg	.21	.21	U	mg/kg	.21	.22	J	mg/kg	
Chromium		2.3	J	mg/kg		5	J	mg/kg		2.1	J	mg/kg	
Cobalt		.65	U	mg/kg	.65	.94	U	mg/kg	.94	.64	U	mg/kg	.64
Copper		1.8	J	mg/kg		2.7	J	mg/kg		1.3	J	mg/kg	
Cyanide		.14	U	mg/kg	.14	.14	U	mg/kg	.14	.14	U	mg/kg	.14
Lead		1.2	J	mg/kg		2.7	J	mg/kg		1.5	J	mg/kg	
Mercury		.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Nickel		1.2	U	mg/kg	1.2	1.9	J	mg/kg		1.2	U	mg/kg	1.2
Selenium		.13	U	mg/kg	.13	.13	U	mg/kg	.13	.12	U	mg/kg	.12
Silver		.44	U	mg/kg	.44	.44	U	mg/kg	.44	.43	U	mg/kg	.43
Thallium		.14	U	mg/kg	.14	.14	U	mg/kg	.14	.14	U	mg/kg	.14
Tin		4.2	U	mg/kg	4.2	4.2	U	mg/kg	4.2	4.2	U	mg/kg	4.2
Vanadium		1.4	J	mg/kg		7.3	J	mg/kg		1.2	J	mg/kg	
Zinc		4.9	J	mg/kg		8.7	J	mg/kg		5.1	J	mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		R8271008				R8271009				R8271010				R8271011			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		19BS001				19BS001D				19BS002				19BS003			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Bromomethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Vinyl chloride		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Chloroethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Methylene chloride		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Acetone		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Carbon disulfide		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,1-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,1-Dichloroethene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloroethene (total)		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Chloroform		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
2-Butanone		11	U	ug/kg	11	11	UJ	ug/kg		11	UJ	ug/kg		12	UJ	ug/kg	
1,1,1-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Carbon tetrachloride		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Bromodichloromethane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dichloropropane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
cis-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Trichloroethene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Dibromochloromethane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,1,2-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Benzene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
trans-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Bromoform		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
4-Methyl-2-pentanone		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
2-Hexanone		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Tetrachloroethene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Toluene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Chlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Ethylbenzene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Styrene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Xylenes (total)		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Trichlorofluoromethane		6	U	ug/kg	6	6	U	ug/kg	6	690	U	ug/kg	690	800	U	ug/kg	800
1,3-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	110	UJ	ug/kg		120	UJ	ug/kg	
Acrolein		110	UJ	ug/kg		110	UJ	ug/kg		11	UJ	ug/kg		12	UJ	ug/kg	
Iodomethane		11	U	ug/kg	11	11	UJ	ug/kg		5	U	ug/kg	5	6	U	ug/kg	6
1,4-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	110	U	ug/kg	110	120	U	ug/kg	120
Acrylonitrile		110	U	ug/kg	110	110	U	ug/kg	110	5	U	ug/kg	5	6	U	ug/kg	6
Dibromomethane		6	U	ug/kg	6	6	U	ug/kg	6	690	U	ug/kg	690	800	U	ug/kg	800
1,2-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	11	U	ug/kg	11	12	U	ug/kg	12
2-Chloroethylvinylether		11	U	ug/kg	11	11	U	ug/kg	11	5	U	ug/kg	5	6	U	ug/kg	6
Ethyl methacrylate		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,2,3-Trichloropropane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
trans-1,4-Dichloro-2-butene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Isobutyl alcohol		220	R	ug/kg		220	R	ug/kg		210	R	ug/kg		240	R	ug/kg	
1,1,1,2-Tetrachloroethane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,2-Dibromo-3-chloropropane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
1,2-Dibromoethane		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
1,4-Dioxane		220	R	ug/kg		220	R	ug/kg		210	R	ug/kg		240	R	ug/kg	

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	R8271008				R8271009				R8271010				R8271011			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19BS001				19BS001D				19BS002				19BS003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Acetonitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	120	U	ug/kg	120
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Methyl methacrylate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12
Pentachloroethane	11	U	ug/kg	11	11	UJ	ug/kg		11	UJ	ug/kg		12	UJ	ug/kg	
Propionitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	120	U	ug/kg	120
Vinyl acetate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	12	U	ug/kg	12

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		R8271012				R8271013				R8271014			
Site		RFADATA				RFADATA				RFADATA			
Locator		19BS004				19BS005				19BS006			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg												
Chloromethane		13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride		13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acetone		13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
Carbon disulfide		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone		13	UJ	ug/kg		11	UJ	ug/kg		11	UJ	ug/kg	
1,1,1-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene		2	J	ug/kg		6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone		13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Toluene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichlorofluoromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,3-Dichlorobenzene		6	U	ug/kg	6	740	U	ug/kg	740	6	U	ug/kg	6
Acrolein		130	UJ	ug/kg		110	UJ	ug/kg		110	UJ	ug/kg	
Iodomethane		13	UJ	ug/kg		11	UJ	ug/kg		11	UJ	ug/kg	
1,4-Dichlorobenzene		6	U	ug/kg	6	740	U	ug/kg	740	6	U	ug/kg	6
Acrylonitrile		130	U	ug/kg	130	110	U	ug/kg	110	110	U	ug/kg	110
Dibromomethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	R8271012				R8271013				R8271014			
Site	RFADATA				RFADATA				RFADATA			
Locator	19BS004				19BS005				19BS006			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Chloroethylvinylether	13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2,3-Trichloropropane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,4-Dichloro-2-butene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Isobutyl alcohol	250	R	ug/kg		220	R	ug/kg		220	R	ug/kg	
1,1,1,2-Tetrachloroethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dibromo-3-chloropropane	13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
1,2-Dibromoethane	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,4-Dioxane	250	R	ug/kg		220	R	ug/kg		220	R	ug/kg	
3-Chloropropene	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acetonitrile	130	U	ug/kg	130	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Methyl methacrylate	13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	13	UJ	ug/kg		11	UJ	ug/kg		11	UJ	ug/kg	
Propionitrile	130	U	ug/kg	130	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	13	U	ug/kg	13	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Boring Soil Data

Lab Sample Number:		R8271008				R8271009				R8271010				R8271011		
Site		RFADATA				RFADATA				RFADATA				RFADATA		
Locator		19BS001				19BS001D				19BS002				19BS003		
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Phenol		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Aniline		730	UJ	ug/kg		740	UJ	ug/kg		690	UJ	ug/kg		800	UJ	ug/kg	
bis (2-Chloroethyl) ether		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
1,3-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	690	U	ug/kg	690	800	U	ug/kg	800
1,4-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	5	U	ug/kg	5	6	U	ug/kg	6
Benzyl Alcohol		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
1,2-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	690	U	ug/kg	690	800	U	ug/kg	800
2-Methylphenol		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
bis(2-Chloroisopropyl)ether		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
N-Nitroso-di-n-propylamine		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Hexachloroethane		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Nitrobenzene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Isophorone		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2-Nitrophenol		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2,4-Dimethylphenol		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Benzoic acid		3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
bis(2-Chloroethoxy)methane		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2,4-Dichlorophenol		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
1,2,4-Trichlorobenzene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Naphthalene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
4-Chloroaniline		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	UJ	ug/kg	
Hexachlorobutadiene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
4-Chloro-3-methylphenol		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2-Methylnaphthalene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Hexachlorocyclopentadiene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2,4,6-Trichlorophenol		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Dimethylphthalate		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2,4,5-Trichlorophenol		3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
2-Chloronaphthalene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2-Nitroaniline		3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
Acenaphthylene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2,6-Dinitrotoluene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
3-Nitroaniline		3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	UJ	ug/kg	
Acenaphthene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2,4-Dinitrophenol		3600	UJ	ug/kg		3600	UJ	ug/kg		3400	UJ	ug/kg		3900	UJ	ug/kg	
4-Nitrophenol		3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
Dibenzofuran		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2,4-Dinitrotoluene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Diethylphthalate		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
4-Chlorophenyl-phenylether		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Fluorene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
4-Nitroaniline		3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
4,6-Dinitro-2-methylphenol		3600	UJ	ug/kg		3600	UJ	ug/kg		3400	UJ	ug/kg		3900	UJ	ug/kg	
N-Nitrosodiphenylamine (1)		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
1,2-Diphenylhydrazine		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
4-Bromophenyl-phenylether		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Hexachlorobenzene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Pentachlorophenol		3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
Phenanthrene		730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800

NAVSTA MAYPORT
RFA Boring Soil Data

Lab Sample Number:	R8271008				R8271009				R8271010				R8271011			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19BS001				19BS001D				19BS002				19BS003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Di-n-Butylphthalate	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Fluoranthene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Pyrene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Butylbenzylphthalate	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
3,3'-Dichlorobenzidine	1500	U	ug/kg	1500	1500	U	ug/kg	1500	1400	U	ug/kg	1400	1600	U	ug/kg	1600
Benzo(a)anthracene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Chrysene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
bis(2-Ethylhexyl)phthalate	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Di-n-octylphthalate	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Benzo(b)fluoranthene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Benzo(k)fluoranthene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Benzo(a)pyrene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Indeno(1,2,3-cd)pyrene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Dibenz(a,h)anthracene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Benzo(g,h,i)perylene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
2-Picoline	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
Methyl methanesulfonate	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Ethyl methanesulfonate	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Acetophenone	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
N-Nitrosopiperidine	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	UJ	ug/kg	
Phenyl-tert-butylamine	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
2,6-Dichlorophenol	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
N-Nitroso-di-n-butylamine	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
N-Nitrosodiethylamine	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
N-Nitrosopyrrolidine	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Benzidine	3600	UJ	ug/kg		3600	UJ	ug/kg		3400	UJ	ug/kg		3900	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
Pentachlorobenzene	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
1-Naphthylamine	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
2-Naphthylamine	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
2,3,4,6-Tetrachlorophenol	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Phenacetin	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	UJ	ug/kg	
4-Aminobiphenyl	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
Pentachloronitrobenzene	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
Pronamide	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
p-(Dimethylamino)azobenzene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
7,12-Dimethylbenz(A)Anthracene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
3-Methylcholanthrene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Pyridine	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
N-Nitrosomethylethylamine	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
N-Nitrosomorpholine	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
o-Toluidine	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Hexachloropropene	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
p-Phenylenediamine	36000	U	ug/kg	36000	36000	U	ug/kg	36000	34000	U	ug/kg	34000	39000	U	ug/kg	39000
Safrole	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
Isosafrole	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
1,4-Naphthoquinone	73000	U	ug/kg	73000	74000	U	ug/kg	74000	69000	U	ug/kg	69000	80000	UJ	ug/kg	
1,3-Dinitrobenzene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
5-Nitro-o-toluidine	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
1,3,5-Trinitrobenzene	730	UJ	ug/kg		740	UJ	ug/kg		690	UJ	ug/kg		800	U	ug/kg	800
4-Nitroquinoline-1-oxide	36000	UJ	ug/kg		36000	UJ	ug/kg		34000	UJ	ug/kg		39000	UJ	ug/kg	

NAVSTA MAYPORT
RFA Boring Soil Data

Lab Sample Number:	R8271008				R8271009				R8271010				R8271011			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19BS001				19BS001D				19BS002				19BS003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	3600	UJ	ug/kg		3600	UJ	ug/kg		3400	UJ	ug/kg		3900	UJ	ug/kg	
3,3'-Dimethylbenzidine	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
Hexachlorophene	36000	UJ	ug/kg		36000	UJ	ug/kg		34000	UJ	ug/kg		39000	UJ	ug/kg	
Aramite	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
2-Chlorophenol	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
3- & 4-Methylphenol (2)	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	3600	U	ug/kg	3600	3600	U	ug/kg	3600	3400	U	ug/kg	3400	3900	U	ug/kg	3900
2-Acetylaminofluorene	730	U	ug/kg	730	740	U	ug/kg	740	690	U	ug/kg	690	800	U	ug/kg	800

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (B270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Boring Soil Data

Lab Sample Number:		R8271012				R8271013				R8271014			
Site		RFADATA				RFADATA				RFADATA			
Locator		19BS004				19BS005				19BS006			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg												
N-Nitrosodimethylamine		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Phenol		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Aniline		840	UJ	ug/kg		740	UJ	ug/kg		740	UJ	ug/kg	
bis (2-Chloroethyl) ether		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
1,3-Dichlorobenzene		6	U	ug/kg	6	740	U	ug/kg	740	6	U	ug/kg	6
1,4-Dichlorobenzene		6	U	ug/kg	6	740	U	ug/kg	740	6	U	ug/kg	6
Benzyl Alcohol		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
1,2-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Methylphenol		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
bis(2-Chloroisopropyl)ether		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
N-Nitroso-di-n-propylamine		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Hexachloroethane		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Nitrobenzene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Isophorone		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2-Nitrophenol		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2,4-Dimethylphenol		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Benzoic acid		4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
bis(2-Chloroethoxy)methane		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2,4-Dichlorophenol		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
1,2,4-Trichlorobenzene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Naphthalene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
4-Chloroaniline		840	UJ	ug/kg		740	UJ	ug/kg		740	UJ	ug/kg	
Hexachlorobutadiene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
4-Chloro-3-methylphenol		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2-Methylnaphthalene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Hexachlorocyclopentadiene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2,4,6-Trichlorophenol		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Dimethylphthalate		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2,4,5-Trichlorophenol		4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2-Chloronaphthalene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2-Nitroaniline		4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Acenaphthylene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2,6-Dinitrotoluene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
3-Nitroaniline		4100	UJ	ug/kg		3600	UJ	ug/kg		3600	UJ	ug/kg	
Acenaphthene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2,4-Dinitrophenol		4100	UJ	ug/kg		3600	UJ	ug/kg		3600	UJ	ug/kg	
4-Nitrophenol		4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Dibenzofuran		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2,4-Dinitrotoluene		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Diethylphthalate		840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740

NAVSTA MAYPORT
RFA Boring Soil Data

Lab Sample Number:	R8271012				R8271013				R8271014			
Site	RFADATA				RFADATA				RFADATA			
Locator	19BS004				19BS005				19BS006			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Fluorene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
4-Nitroaniline	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
4,6-Dinitro-2-methylphenol	4100	UJ	ug/kg		3600	UJ	ug/kg		3600	UJ	ug/kg	
N-Nitrosodiphenylamine (1)	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
1,2-Diphenylhydrazine	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
4-Bromophenyl-phenylether	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Hexachlorobenzene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Pentachlorophenol	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Phenanthrene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Anthracene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Di-n-Butylphthalate	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Fluoranthene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Pyrene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Butylbenzylphthalate	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
3,3'-Dichlorobenzidine	1700	U	ug/kg	1700	1500	U	ug/kg	1500	1500	U	ug/kg	1500
Benzo(a)anthracene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Chrysene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
bis(2-Ethylhexyl)phthalate	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Di-n-octylphthalate	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Benzo(b)fluoranthene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Benzo(k)fluoranthene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Benzo(a)pyrene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Indeno(1,2,3-cd)pyrene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Dibenz(a,h)anthracene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Benzo(g,h,i)perylene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
2-Picoline	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Methyl methanesulfonate	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Ethyl methanesulfonate	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Acetophenone	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
N-Nitrosopiperidine	840	UJ	ug/kg		740	UJ	ug/kg		740	UJ	ug/kg	
Phenyl-tert-butylamine	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2,6-Dichlorophenol	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
N-Nitroso-di-n-butylamine	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
N-Nitrosodiethylamine	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
N-Nitrosopyrrolidine	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Benzidine	4100	UJ	ug/kg		3600	UJ	ug/kg		3600	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Pentachlorobenzene	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
1-Naphthylamine	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2-Naphthylamine	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2,3,4,6-Tetrachlorophenol	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Phenacetin	840	UJ	ug/kg		740	UJ	ug/kg		740	UJ	ug/kg	
4-Aminobiphenyl	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Pentachloronitrobenzene	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Pronamide	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
p-(Dimethylamino)azobenzene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
7,12-Dimethylbenz(A)Anthracene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
3-Methylcholanthrene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Pyridine	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
N-Nitrosomethylethylamine	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
N-Nitrosomorpholine	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740

NAVSTA MAYPORT
RFA Boring Soil Data

Lab Sample Number:	R8271012				R8271013				R8271014			
Site	RFADATA				RFADATA				RFADATA			
Locator	19BS004				19BS005				19BS006			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Hexachloropropene	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
p-Phenylenediamine	41000	U	ug/kg	41000	36000	U	ug/kg	36000	36000	U	ug/kg	36000
Safrole	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
Isosafrole	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
1,4-Naphthoquinone	84000	UJ	ug/kg		74000	UJ	ug/kg		74000	UJ	ug/kg	
1,3-Dinitrobenzene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
5-Nitro-o-toluidine	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
1,3,5-Trinitrobenzene	840	UJ	ug/kg		740	UJ	ug/kg		740	UJ	ug/kg	
4-Nitroquinoline-1-oxide	41000	UJ	ug/kg		36000	UJ	ug/kg		36000	UJ	ug/kg	
Methapyrilene	4100	UJ	ug/kg		3600	UJ	ug/kg		3600	UJ	ug/kg	
3,3'-Dimethylbenzidine	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
Hexachlorophene	41000	UJ	ug/kg		36000	UJ	ug/kg		36000	UJ	ug/kg	
Aramite	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2-Chlorophenol	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
3- & 4-Methylphenol (2)	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	4100	U	ug/kg	4100	3600	U	ug/kg	3600	3600	U	ug/kg	3600
2-Acetylaminofluorene	840	U	ug/kg	840	740	U	ug/kg	740	740	U	ug/kg	740

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		R8271008				R8271009				R8271010				R8271011			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		19BS001				19BS001D				19BS002				19BS003			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080)	ug/kg																
alpha-BHC		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
beta-BHC		1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.6	U	ug/kg	1.6
delta-BHC		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
gamma-BHC (Lindane)		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
Heptachlor		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
Aldrin		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
Heptachlor epoxide		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
Endosulfan I		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
Dieldrin		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
4,4-DDE		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
Endrin		1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.6	U	ug/kg	1.6
Endosulfan II		1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.6	U	ug/kg	1.6
4,4-DDD		2.5		ug/kg		7.6	J	ug/kg		1.4	U	ug/kg	1.4	1.6	U	ug/kg	1.6
Endosulfan sulfate		1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.6	U	ug/kg	1.6
4,4-DDT		1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.6	U	ug/kg	1.6
Methoxychlor		3	U	ug/kg	3	3	U	ug/kg	3	2.8	U	ug/kg	2.8	3.3	U	ug/kg	3.3
Endrin aldehyde		1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.6	U	ug/kg	1.6
Endrin ketone		1.4	U	ug/kg	1.4	16		ug/kg		1.4	U	ug/kg	1.4	1.6	U	ug/kg	1.6
Chlordane		7.4	U	ug/kg	7.4	7.5	U	ug/kg	7.5	7	U	ug/kg	7	8.1	U	ug/kg	8.1
Chlorobenzilate		22	U	ug/kg	22	22	U	ug/kg	22	21	U	ug/kg	21	24	U	ug/kg	24
Diallate		44	U	ug/kg	44	45	U	ug/kg	45	42	U	ug/kg	42	48	U	ug/kg	48
Toxaphene		37	U	ug/kg	37	37	U	ug/kg	37	35	U	ug/kg	35	40	U	ug/kg	40
Isodrin		.74	U	ug/kg	.74	.75	U	ug/kg	.75	.7	U	ug/kg	.7	.81	U	ug/kg	.81
Kepone		44	U	ug/kg	44	45	U	ug/kg	45	42	U	ug/kg	42	48	U	ug/kg	48
Aroclor-1016		37	U	ug/kg	37	37	U	ug/kg	37	35	U	ug/kg	35	40	U	ug/kg	40
Aroclor-1221		74	U	ug/kg	74	75	U	ug/kg	75	70	U	ug/kg	70	81	U	ug/kg	81
Aroclor-1232		74	U	ug/kg	74	75	U	ug/kg	75	70	U	ug/kg	70	81	U	ug/kg	81
Aroclor-1242		37	U	ug/kg	37	37	U	ug/kg	37	35	U	ug/kg	35	40	U	ug/kg	40
Aroclor-1248		37	U	ug/kg	37	37	U	ug/kg	37	35	U	ug/kg	35	40	U	ug/kg	40
Aroclor-1254		18	U	ug/kg	18	18	U	ug/kg	18	17	U	ug/kg	17	19	U	ug/kg	19
Aroclor-1260		18	U	ug/kg	18	18	U	ug/kg	18	17	U	ug/kg	17	19	U	ug/kg	19

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	R8271012				R8271013				R8271014			
Site	RFADATA				RFADATA				RFADATA			
Locator	19BS004				19BS005				19BS006			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg												
alpha-BHC	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
beta-BHC	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5
delta-BHC	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
gamma-BHC (Lindane)	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
Heptachlor	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
Aldrin	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
Heptachlor epoxide	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
Endosulfan I	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
Dieldrin	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
4,4-DDE	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
Endrin	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5
Endosulfan II	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5
4,4-DDD	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5
Endosulfan sulfate	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5
4,4-DDT	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5
Methoxychlor	3.4	U	ug/kg	3.4	3	U	ug/kg	3	3	U	ug/kg	3
Endrin aldehyde	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5
Endrin ketone	1.6	U	ug/kg	1.6	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5
Chlordane	8.5	U	ug/kg	8.5	7.6	U	ug/kg	7.6	7.5	U	ug/kg	7.5
Chlorobenzilate	34	J	ug/kg		23	U	ug/kg	23	23	U	ug/kg	23
Dialiate	51	U	ug/kg	51	45	U	ug/kg	45	45	U	ug/kg	45
Toxaphene	42	U	ug/kg	42	37	U	ug/kg	37	37	U	ug/kg	37
Isodrin	.85	U	ug/kg	.85	.76	U	ug/kg	.76	.75	U	ug/kg	.75
Kepone	51	U	ug/kg	51	45	U	ug/kg	45	45	U	ug/kg	45
Aroclor-1016	42	U	ug/kg	42	37	U	ug/kg	37	37	U	ug/kg	37
Aroclor-1221	85	U	ug/kg	85	76	U	ug/kg	76	75	U	ug/kg	75
Aroclor-1232	85	U	ug/kg	85	76	U	ug/kg	76	75	U	ug/kg	75
Aroclor-1242	42	U	ug/kg	42	37	U	ug/kg	37	37	U	ug/kg	37
Aroclor-1248	42	U	ug/kg	42	37	U	ug/kg	37	37	U	ug/kg	37
Aroclor-1254	20	U	ug/kg	20	18	U	ug/kg	18	18	U	ug/kg	18
Aroclor-1260	20	U	ug/kg	20	18	U	ug/kg	18	18	U	ug/kg	18

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Boring Soil Data

Lab Sample Number:	R8271008				R8271009				R8271010				R8271011			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19BS001				19BS001D				19BS002				19BS003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	1.1	U	mg/kg	1.1	1.1	U	mg/kg	1.1	1	U	mg/kg	1	1.2	U	mg/kg	1.2
Arsenic	.64	J	mg/kg		.72	J	mg/kg		1.6	J	mg/kg		1	J	mg/kg	
Barium	2	J	mg/kg		1.6	J	mg/kg		2.6	J	mg/kg		2	J	mg/kg	
Beryllium	.07	J	mg/kg		.07	J	mg/kg		.06	U	mg/kg	.06	.07	U	mg/kg	.07
Cadmium	.22	U	mg/kg	.22	.22	U	mg/kg	.22	.21	U	mg/kg	.21	.24	U	mg/kg	.24
Chromium	2.3		mg/kg		2	J	mg/kg		2.3		mg/kg		1.8	J	mg/kg	
Cobalt	.69	U	mg/kg	.69	.69	U	mg/kg	.69	.65	U	mg/kg	.65	.75	U	mg/kg	.75
Copper	1	J	mg/kg		.83	J	mg/kg		1.3	J	mg/kg		1.1	J	mg/kg	
Cyanide	.21	J	mg/kg		.15	U	mg/kg	.15	.14	U	mg/kg	.14	.16	U	mg/kg	.16
Lead	1.1		mg/kg		.92		mg/kg		3.5	N	mg/kg		.75		mg/kg	
Mercury	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Nickel	1.3	U	mg/kg	1.3	1.3	U	mg/kg	1.3	1.2	U	mg/kg	1.2	1.4	U	mg/kg	1.4
Selenium	.13	U	mg/kg	.13	.13	U	mg/kg	.13	.13	J	mg/kg		.14	U	mg/kg	.14
Silver	.47	U	mg/kg	.47	.47	U	mg/kg	.47	.44	U	mg/kg	.44	.51	U	mg/kg	.51
Thallium	.14	U	mg/kg	.14	.14	U	mg/kg	.14	.14	U	mg/kg	.14	.14	U	mg/kg	.14
Tin	5.1	U	mg/kg	5.1	4.2	U	mg/kg	4.2	4.3	U	mg/kg	4.3	5.3	U	mg/kg	5.3
Vanadium	1.7	J	mg/kg		1.2	J	mg/kg		3.1	J	mg/kg		1.8	J	mg/kg	
Zinc	5.5	U	mg/kg	5.5	3.2	U	mg/kg	3.2	8.4		mg/kg		6.4	U	mg/kg	6.4

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Boring Soil Data

Lab Sample Number:	R8271012				R8271013				R8271014			
Site	RFADATA				RFADATA				RFADATA			
Locator	19BS004				19BS005				19BS006			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg												
Antimony	1.3	U	mg/kg	1.3	1.1	U	mg/kg	1.1	1.1	U	mg/kg	1.1
Arsenic	1.3	J	mg/kg		.72	J	mg/kg		.65	J	mg/kg	
Barium	2.1	J	mg/kg		2.5	J	mg/kg		5.3	J	mg/kg	
Beryllium	.08	U	mg/kg	.08	.07	J	mg/kg		.12	J	mg/kg	
Cadmium	.25	U	mg/kg	.25	.23	U	mg/kg	.23	.22	U	mg/kg	.22
Chromium	2.5		mg/kg		2.9		mg/kg		5.7		mg/kg	
Cobalt	.78	U	mg/kg	.78	.7	U	mg/kg	.7	.7	U	mg/kg	.7
Copper	.9	J	mg/kg		.8	J	mg/kg		.77	J	mg/kg	
Cyanide	.17	U	mg/kg	.17	.15	U	mg/kg	.15	.15	U	mg/kg	.15
Lead	.84	N	mg/kg		1		mg/kg		3.1		mg/kg	
Mercury	.04	U	mg/kg	.04	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Nickel	1.5	U	mg/kg	1.5	1.3	U	mg/kg	1.3	1.3	U	mg/kg	1.3
Selenium	.15	U	mg/kg	.15	.14	U	mg/kg	.14	.13	U	mg/kg	.13
Silver	.53	U	mg/kg	.53	.47	U	mg/kg	.47	.47	U	mg/kg	.47
Thallium	.15	U	mg/kg	.15	.14	U	mg/kg	.14	.14	U	mg/kg	.14
Tin	6.7	U	mg/kg	6.7	5.8	U	mg/kg	5.8	4.2	U	mg/kg	4.2
Vanadium	2.1	J	mg/kg		1.9	J	mg/kg		2.7	J	mg/kg	
Zinc	7.9		mg/kg		5.9	U	mg/kg	5.9	5.4	U	mg/kg	5.4

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		R8272001				R8272002				R8272003				R8272004			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		19SD001				19SD001D				19SD002				19SD003			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane		13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Vinyl chloride		13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane		13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acetone		31	UJ	ug/kg		12	UJ	ug/kg		16	UJ	ug/kg		12	UJ	ug/kg	
Carbon disulfide		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone		13	R	ug/kg		12	R	ug/kg		12	R	ug/kg		12	R	ug/kg	
1,1,1-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Benzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone		13	UJ	ug/kg		12	UJ	ug/kg		12	UJ	ug/kg		12	UJ	ug/kg	
2-Hexanone		13	UJ	ug/kg		12	UJ	ug/kg		12	UJ	ug/kg		12	UJ	ug/kg	
Tetrachloroethene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg	
Toluene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Styrene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Trichlorofluoromethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,3-Dichlorobenzene		860	U	ug/kg	860	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Acrolein		130	R	ug/kg		120	R	ug/kg		120	R	ug/kg		120	R	ug/kg	
Iodomethane		13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
1,4-Dichlorobenzene		860	U	ug/kg	860	6	U	ug/kg	6	6	U	ug/kg	6	800	U	ug/kg	800
Acrylonitrile		130	UJ	ug/kg		120	UJ	ug/kg		120	UJ	ug/kg		120	UJ	ug/kg	
Dibromomethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Chloroethylvinylether		13	UJ	ug/kg		12	UJ	ug/kg		12	UJ	ug/kg		12	UJ	ug/kg	
Ethyl methacrylate		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg	
1,2,3-Trichloropropane		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg	
trans-1,4-Dichloro-2-butene		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg	
Isobutyl alcohol		260	R	ug/kg		240	R	ug/kg		240	R	ug/kg		240	R	ug/kg	
1,1,1,2-Tetrachloroethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dibromo-3-chloropropane		13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
1,2-Dibromoethane		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,4-Dioxane		260	R	ug/kg		240	R	ug/kg		240	R	ug/kg		240	R	ug/kg	

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8272001				R8272002				R8272003				R8272004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19SD001				19SD001D				19SD002				19SD003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg		6	UJ	ug/kg	
Acetonitrile	130	UJ	ug/kg		120	UJ	ug/kg		120	UJ	ug/kg		120	UJ	ug/kg	
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
Methyl methacrylate	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12
Pentachloroethane	13	UJ	ug/kg		12	UJ	ug/kg		12	UJ	ug/kg		12	UJ	ug/kg	
Propionitrile	130	UJ	ug/kg		120	UJ	ug/kg		120	UJ	ug/kg		120	UJ	ug/kg	
Vinyl acetate	13	U	ug/kg	13	12	U	ug/kg	12	12	U	ug/kg	12	12	U	ug/kg	12

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:		R8272001				R8272002				R8272003				R8272004			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		19SD001				19SD001D				19SD002				19SD003			
Collect Date:		30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Phenol		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Aniline		860	UJ	ug/kg		790	UJ	ug/kg		780	UJ	ug/kg		800	UJ	ug/kg	
bis (2-Chloroethyl) ether		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
1,3-Dichlorobenzene		860	U	ug/kg	860	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
1,4-Dichlorobenzene		860	U	ug/kg	860	6	U	ug/kg	6	6	U	ug/kg	6	800	U	ug/kg	800
Benzyl Alcohol		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
1,2-Dichlorobenzene		6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6	6	U	ug/kg	6
2-Methylphenol		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
bis(2-Chloroisopropyl)ether		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
N-Nitroso-di-n-propylamine		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Hexachloroethane		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Nitrobenzene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Isophorone		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2-Nitrophenol		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2,4-Dimethylphenol		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Benzoic acid		4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
bis(2-Chloroethoxy)methane		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2,4-Dichlorophenol		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
1,2,4-Trichlorobenzene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Naphthalene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
4-Chloroaniline		860	UJ	ug/kg		790	UJ	ug/kg		780	UJ	ug/kg		800	UJ	ug/kg	
Hexachlorobutadiene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
4-Chloro-3-methylphenol		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2-Methylnaphthalene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Hexachlorocyclopentadiene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2,4,6-Trichlorophenol		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Dimethylphthalate		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2,4,5-Trichlorophenol		4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2-Chloronaphthalene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2-Nitroaniline		4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Acenaphthylene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2,6-Dinitrotoluene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
3-Nitroaniline		4200	U	ug/kg	4200	3800	UJ	ug/kg		3800	UJ	ug/kg		3900	UJ	ug/kg	
Acenaphthene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2,4-Dinitrophenol		4200	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		3900	UJ	ug/kg	
4-Nitrophenol		4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Dibenzofuran		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2,4-Dinitrotoluene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Diethylphthalate		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
4-Chlorophenyl-phenylether		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Fluorene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
4-Nitroaniline		4200	UJ	ug/kg		3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
4,6-Dinitro-2-methylphenol		4200	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		3900	UJ	ug/kg	
N-Nitrosodiphenylamine (1)		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
1,2-Diphenylhydrazine		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
4-Bromophenyl-phenylether		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Hexachlorobenzene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Pentachlorophenol		4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Phenanthrene		860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8272001				R8272002				R8272003				R8272004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19SD001				19SD001D				19SD002				19SD003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Di-n-Butylphthalate	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Fluoranthene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Pyrene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Butylbenzylphthalate	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
3,3'-Dichlorobenzidine	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1600	U	ug/kg	1600	1600	U	ug/kg	1600
Benzo(a)anthracene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Chrysene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
bis(2-Ethylhexyl)phthalate	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Di-n-octylphthalate	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Benzo(b)fluoranthene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Benzo(k)fluoranthene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Benzo(a)pyrene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Indeno(1,2,3-cd)pyrene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Dibenz(a,h)anthracene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Benzo(g,h,i)perylene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
2-Picoline	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Methyl methanesulfonate	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Ethyl methanesulfonate	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Acetophenone	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
N-Nitrosopiperidine	860	UJ	ug/kg		790	UJ	ug/kg		780	UJ	ug/kg		800	UJ	ug/kg	
Phenyl-tert-butylamine	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2,6-Dichlorophenol	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
N-Nitroso-di-n-butylamine	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
N-Nitrosodiethylamine	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
N-Nitrosopyrrolidine	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Benzidine	4200	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		3900	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Pentachlorobenzene	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
1-Naphthylamine	4200	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		3900	UJ	ug/kg	
2-Naphthylamine	4200	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		3900	UJ	ug/kg	
2,3,4,6-Tetrachlorophenol	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Phenacetin	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
4-Aminobiphenyl	4200	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		3900	UJ	ug/kg	
Pentachloronitrobenzene	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Pronamide	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
p-(Dimethylamino)azobenzene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
7,12-Dimethylbenz(A)Anthracene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
3-Methylcholanthrene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Pyridine	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
N-Nitrosomethylethylamine	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
N-Nitrosomorpholine	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
o-Toluidine	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
Hexachloropropene	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
p-Phenylenediamine	42000	U	ug/kg	42000	38000	U	ug/kg	38000	38000	U	ug/kg	38000	39000	U	ug/kg	39000
Safrole	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
Isosafrole	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
1,4-Naphthoquinone	86000	UJ	ug/kg		79000	UJ	ug/kg		78000	UJ	ug/kg		80000	UJ	ug/kg	
1,3-Dinitrobenzene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
5-Nitro-o-toluidine	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
1,3,5-Trinitrobenzene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
4-Nitroquinoline-1-oxide	42000	UJ	ug/kg		38000	UJ	ug/kg		38000	UJ	ug/kg		39000	UJ	ug/kg	

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8272001				R8272002				R8272003				R8272004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19SD001				19SD001D				19SD002				19SD003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	4200	UJ	ug/kg		3800	UJ	ug/kg		3800	UJ	ug/kg		3900	UJ	ug/kg	
3,3'-Dimethylbenzidine	860	UJ	ug/kg		790	UJ	ug/kg		780	UJ	ug/kg		800	UJ	ug/kg	
Hexachlorophene	42000	UJ	ug/kg		38000	UJ	ug/kg		38000	UJ	ug/kg		39000	UJ	ug/kg	
Aramite	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2-Chlorophenol	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
3- & 4-Methylphenol (2)	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	4200	U	ug/kg	4200	3800	U	ug/kg	3800	3800	U	ug/kg	3800	3900	U	ug/kg	3900
2-Acetylaminofluorene	860	U	ug/kg	860	790	U	ug/kg	790	780	U	ug/kg	780	800	U	ug/kg	800

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8272001				R8272002				R8272003				R8272004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19SD001				19SD001D				19SD002				19SD003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
beta-BHC	1.7	U	ug/kg	1.7	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.6	U	ug/kg	1.6
delta-BHC	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
gamma-BHC (Lindane)	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
Heptachlor	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
Aldrin	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
Heptachlor epoxide	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
Endosulfan I	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
Dieldrin	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
4,4-DDE	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
Endrin	1.7	U	ug/kg	1.7	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.6	U	ug/kg	1.6
Endosulfan II	1.7	U	ug/kg	1.7	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.6	U	ug/kg	1.6
4,4-DDD	1.7	U	ug/kg	1.7	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.6	U	ug/kg	1.6
Endosulfan sulfate	1.7	U	ug/kg	1.7	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.6	U	ug/kg	1.6
4,4-DDT	1.7	U	ug/kg	1.7	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.6	U	ug/kg	1.6
Methoxychlor	3.5	U	ug/kg	3.5	3.2	U	ug/kg	3.2	3.2	U	ug/kg	3.2	3.3	U	ug/kg	3.3
Endrin aldehyde	1.7	U	ug/kg	1.7	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.6	U	ug/kg	1.6
Endrin ketone	1.7	U	ug/kg	1.7	1.5	U	ug/kg	1.5	1.5	U	ug/kg	1.5	1.6	U	ug/kg	1.6
Chlordane	8.7	U	ug/kg	8.7	7.9	U	ug/kg	7.9	7.9	U	ug/kg	7.9	8.1	U	ug/kg	8.1
Chlorobenzilate	26	U	ug/kg	26	24	U	ug/kg	24	23	U	ug/kg	23	24	U	ug/kg	24
Diallate	52	U	ug/kg	52	47	U	ug/kg	47	47	U	ug/kg	47	49	U	ug/kg	49
Toxaphene	43	U	ug/kg	43	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Isodrin	.87	U	ug/kg	.87	.79	U	ug/kg	.79	.79	U	ug/kg	.79	.81	U	ug/kg	.81
Kepone	52	U	ug/kg	52	47	U	ug/kg	47	47	U	ug/kg	47	49	U	ug/kg	49
Aroclor-1016	43	U	ug/kg	43	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Aroclor-1221	87	U	ug/kg	87	79	U	ug/kg	79	79	U	ug/kg	79	81	U	ug/kg	81
Aroclor-1232	87	U	ug/kg	87	79	U	ug/kg	79	79	U	ug/kg	79	81	U	ug/kg	81
Aroclor-1242	43	U	ug/kg	43	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Aroclor-1248	43	U	ug/kg	43	39	U	ug/kg	39	39	U	ug/kg	39	40	U	ug/kg	40
Aroclor-1254	21	U	ug/kg	21	19	U	ug/kg	19	19	U	ug/kg	19	19	U	ug/kg	19
Aroclor-1260	21	U	ug/kg	21	19	U	ug/kg	19	19	U	ug/kg	19	19	U	ug/kg	19

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Sediment Data

Lab Sample Number:	R8272001				R8272002				R8272003				R8272004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	19SD001				19SD001D				19SD002				19SD003			
Collect Date:	30-JUN-94				30-JUN-94				30-JUN-94				30-JUN-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	1.3	U	mg/kg	1.3	1.2	U	mg/kg	1.2	1.2	U	mg/kg	1.2	1.2	U	mg/kg	1.2
Arsenic	1.4	J	mg/kg		1.1	J	mg/kg		1.4	J	mg/kg		1.5	J	mg/kg	
Barium	6	J	mg/kg		5.8	J	mg/kg		4.4	J	mg/kg		2.6	J	mg/kg	
Beryllium	.11	J	mg/kg		.1	J	mg/kg		.07	U	mg/kg	.07	.07	U	mg/kg	.07
Cadmium	.26	U	mg/kg	.26	.24	U	mg/kg	.24	.23	U	mg/kg	.23	.24	U	mg/kg	.24
Chromium	1.3	J	mg/kg		1.2	J	mg/kg		.61	U	mg/kg	.61	1.8	J	mg/kg	
Cobalt	1.2	U	mg/kg	1.2	.84	U	mg/kg	.84	.96	U	mg/kg	.96	1	U	mg/kg	1
Copper	.6	J	mg/kg		.95	J	mg/kg		.42	J	mg/kg		.6	J	mg/kg	
Cyanide	.18	U	mg/kg	.18	.16	U	mg/kg	.16	.16	U	mg/kg	.16	.18	J	mg/kg	
Lead	1		mg/kg		.76		mg/kg		.52	J	mg/kg		.78		mg/kg	
Mercury	.04	U	mg/kg	.04	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Nickel	1.5	U	mg/kg	1.5	1.4	U	mg/kg	1.4	1.4	U	mg/kg	1.4	1.4	U	mg/kg	1.4
Selenium	.78	UJ	mg/kg		.71	UJ	mg/kg		.7	UJ	mg/kg		.73	UJ	mg/kg	
Silver	.55	U	mg/kg	.55	.5	U	mg/kg	.5	.49	U	mg/kg	.49	.51	U	mg/kg	.51
Thallium	.16	UJ	mg/kg		.14	UJ	mg/kg		.14	UJ	mg/kg		.15	U	mg/kg	.15
Tin	3.01	U	mg/kg	3.01	3.6	U	mg/kg	3.6	3.4	U	mg/kg	3.4	4.5	U	mg/kg	4.5
Vanadium	2.8	J	mg/kg		2.3	J	mg/kg		1.8	J	mg/kg		1.6	J	mg/kg	
Zinc	9.2	J	mg/kg		5.9	U	mg/kg	5.9	5.3	J	mg/kg		6.8	J	mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684001				M7684002				M7684003				M7675014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00101				28SS00201				28SS00201D				28SS00301			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11) ug/kg																
Chloromethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane	11	U	ug/kg	11	11	U	ug/kg	11	11	UJ	ug/kg		11	U	ug/kg	11
Vinyl chloride	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride	13	U	ug/kg	13	8	U	ug/kg	8	9	U	ug/kg	9	6	U	ug/kg	6
Acetone	46	U	ug/kg	46	28	U	ug/kg	28	35	U	ug/kg	35	30	U	ug/kg	30
Carbon disulfide	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone	11	R	ug/kg		11	R	ug/kg		11	R	ug/kg		11	R	ug/kg	
1,1,1-Trichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichlorofluoromethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	5	U	ug/kg	5
Acrolein	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Iodomethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
1,4-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	5	U	ug/kg	5
Acrylonitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Dibromomethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichlorobenzene	6	U	ug/kg	6	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2-Chloroethylvinylether	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol	230	U	ug/kg	230	220	U	ug/kg	220	220	U	ug/kg	220	220	U	ug/kg	220
1,1,1,2-Tetrachloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	120	U	ug/kg	120	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
1,2-Dibromoethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane	230	R	ug/kg		220	R	ug/kg		220	R	ug/kg		220	R	ug/kg	

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684001				M7684002				M7684003				M7675014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00101				28SS00201				28SS00201D				28SS00301			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7675015				M7675016				M7675017				M7675018			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS00401				28SS00501				28SS00601				28SS00701			
Collect Date:		05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride		10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		5	U	ug/kg	5	6	U	ug/kg	6	8	U	ug/kg	8	6	U	ug/kg	6
Acetone		16	U	ug/kg	16	28	U	ug/kg	28	37	U	ug/kg	37	45	U	ug/kg	45
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		10	R	ug/kg		11	R	ug/kg		11	R	ug/kg		11	R	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	6		ug/kg		5	U	ug/kg	5	5	U	ug/kg	5
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	5	U	ug/kg	5
Acrolein		100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Iodomethane		10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
1,4-Dichlorobenzene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	5	U	ug/kg	5	350	U	ug/kg	350
Acrylonitrile		100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Dibromomethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675015				M7675016				M7675017				M7675018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00401				28SS00501				28SS00601				28SS00701			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	5	U	ug/kg	5	5	U	ug/kg	5
2-Chloroethylvinylether	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol	210	U	ug/kg	210	220	U	ug/kg	220	220	U	ug/kg	220	210	U	ug/kg	210
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
1,2-Dibromoethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane	210	R	ug/kg		220	R	ug/kg		220	R	ug/kg		210	R	ug/kg	
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7698013			M7675019			M7684010			M7684009		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		28SS00801			28SS00901			28SS01001			28SS01101		
Collect Date:		10-AUG-94			05-AUG-94			06-AUG-94			06-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg												
Chloromethane		11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11
Bromomethane		11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11
Vinyl chloride		11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11
Chloroethane		11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11
Methylene chloride		5 U	ug/kg	5	8 U	ug/kg	8	9 U	ug/kg	9	10 U	ug/kg	10
Acetone		11 U	ug/kg	11	97 J	ug/kg		41 U	ug/kg	41	25 U	ug/kg	25
Carbon disulfide		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
1,1-Dichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
1,1-Dichloroethene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
1,2-Dichloroethene (total)		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Chloroform		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
1,2-Dichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
2-Butanone		11 U	ug/kg	11	11 R	ug/kg		11 R	ug/kg		11 R	ug/kg	
1,1,1-Trichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Carbon tetrachloride		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Bromodichloromethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
1,2-Dichloropropane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
cis-1,3-Dichloropropene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Trichloroethene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Dibromochloromethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
1,1,2-Trichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Benzene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
trans-1,3-Dichloropropene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Bromoform		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
4-Methyl-2-pentanone		11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11
2-Hexanone		11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11
Tetrachloroethene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
1,1,2,2-Tetrachloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Toluene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Chlorobenzene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Ethylbenzene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Styrene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
Xylenes (total)		5 U	ug/kg	5	1 J	ug/kg		6 U	ug/kg	6	1 J	ug/kg	
Trichlorofluoromethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6
1,3-Dichlorobenzene		5 U	ug/kg	5	350 U	ug/kg	350	360 U	ug/kg	360	6 U	ug/kg	6
Acrolein		110 U	ug/kg	110	110 U	ug/kg	110	110 U	ug/kg	110	110 U	ug/kg	110
Iodomethane		11 R	ug/kg		11 U	ug/kg	11	11 U	ug/kg	11	11 U	ug/kg	11
1,4-Dichlorobenzene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Acrylonitrile		110 U	ug/kg	110	110 U	ug/kg	110	110 U	ug/kg	110	110 U	ug/kg	110
Dibromomethane		5 R	ug/kg		5 U	ug/kg	5	6 U	ug/kg	6	6 U	ug/kg	6

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7698013				M7675019				M7684010				M7684009			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00801				28SS00901				28SS01001				28SS01101			
Collect Date:	10-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	350	U	ug/kg	350	5	U	ug/kg	5	360	U	ug/kg	360	360	U	ug/kg	360
2-Chloroethylvinylether	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	5	R	ug/kg		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2,3-Trichloropropane	5	R	ug/kg		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,4-Dichloro-2-butene	5	R	ug/kg		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Isobutyl alcohol	220	R	ug/kg		220	U	ug/kg	220	220	U	ug/kg	220	230	U	ug/kg	230
1,1,1,2-Tetrachloroethane	5	R	ug/kg		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dibromo-3-chloropropane	11	R	ug/kg		120	U	ug/kg	120	120	U	ug/kg	120	120	U	ug/kg	120
1,2-Dibromoethane	5	R	ug/kg		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,4-Dioxane	540	R	ug/kg		220	R	ug/kg		220	R	ug/kg		230	R	ug/kg	
3-Chloropropene	-		ug/kg		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Acetonitrile	110	R	ug/kg		110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	22	R	ug/kg		5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Methyl methacrylate	11	R	ug/kg		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	350	U	ug/kg	350	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	110	R	ug/kg		110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7684011				M7684012				M7684013				M7684014			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS01201				28SS01301				28SS01401				28SS01401D			
Collect Date:		06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		11	U	ug/kg	11	11	UJ	ug/kg		11	UJ	ug/kg		11	UJ	ug/kg	
Vinyl chloride		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		7	U	ug/kg	7	9	U	ug/kg	9	10	U	ug/kg	10	10	U	ug/kg	10
Acetone		22	U	ug/kg	22	36	U	ug/kg	36	25	U	ug/kg	25	34	U	ug/kg	34
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone		11	R	ug/kg		11	R	ug/kg		11	R	ug/kg		11	R	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Benzene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Toluene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Styrene		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)		5	U	ug/kg	5	2	J	ug/kg		6	U	ug/kg	6	6	U	ug/kg	6
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,3-Dichlorobenzene		360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Acrolein		110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Iodomethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
1,4-Dichlorobenzene		360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Acrylonitrile		110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Dibromomethane		5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684011				M7684012				M7684013				M7684014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01201				28SS01301				28SS01401				28SS01401D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	5	U	ug/kg	5	350	U	ug/kg	350	350	U	ug/kg	350	6	U	ug/kg	6
2-Chloroethylvinylether	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2,3-Trichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Isobutyl alcohol	210	U	ug/kg	210	210	U	ug/kg	210	220	U	ug/kg	220	220	U	ug/kg	220
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dibromo-3-chloropropane	110	U	ug/kg	110	110	U	ug/kg	110	120	U	ug/kg	120	120	U	ug/kg	120
1,2-Dibromoethane	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
1,4-Dioxane	210	R	ug/kg		210	R	ug/kg		220	R	ug/kg		220	R	ug/kg	
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Acetonitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5	6	U	ug/kg	6	6	U	ug/kg	6
Methyl methacrylate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7684015				M7684016				M7684017				M7684018			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS01501				28SS01601				28SS01701				28SS01801			
Collect Date:		06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		11	UJ	ug/kg		11	U	ug/kg	11	11	UJ	ug/kg		11	UJ	ug/kg	
Vinyl chloride		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		9	U	ug/kg	9	5	U	ug/kg	5	9	U	ug/kg	9	11	U	ug/kg	11
Acetone		31	U	ug/kg	31	24	U	ug/kg	24	29	U	ug/kg	29	40	U	ug/kg	40
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		11	R	ug/kg		11	R	ug/kg		11	R	ug/kg		11	R	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	5	U	ug/kg	5	2	J	ug/kg		5	U	ug/kg	5
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Acrolein		110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Iodomethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
1,4-Dichlorobenzene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Acrylonitrile		110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Dibromomethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684015				M7684016				M7684017				M7684018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01501				28SS01601				28SS01701				28SS01801			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	350	U	ug/kg	350	5	U	ug/kg	5	5	U	ug/kg	5	360	U	ug/kg	360
2-Chloroethylvinylether	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol	210	U	ug/kg	210	220	U	ug/kg	220	220	U	ug/kg	220	220	U	ug/kg	220
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	110	U	ug/kg	110	11	U	ug/kg	11	110	U	ug/kg	110	110	U	ug/kg	110
1,2-Dibromoethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane	210	R	ug/kg		220	R	ug/kg		220	R	ug/kg		220	R	ug/kg	
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7684004				M7684005				M7675012				M7675013		
Site		RFADATA				RFADATA				RFADATA				RFADATA		
Locator		28SS01901				28SS02001				28SS02101				28SS02101D		
Collect Date:		06-AUG-94				06-AUG-94				05-AUG-94				05-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		8	U	ug/kg	8	8	U	ug/kg	8	9	U	ug/kg	9	5	U	ug/kg	5
Acetone		25	U	ug/kg	25	24	U	ug/kg	24	53	U	ug/kg	53	31	U	ug/kg	31
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		11	R	ug/kg		11	R	ug/kg		11	R	ug/kg		11	R	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Acrolein		110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Iodomethane		11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
1,4-Dichlorobenzene		360	U	ug/kg	360	350	U	ug/kg	350	5	U	ug/kg	5	360	U	ug/kg	360
Acrylonitrile		110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Dibromomethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684004				M7684005				M7675012				M7675013			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01901				28SS02001				28SS02101				28SS02101D			
Collect Date:	06-AUG-94				06-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2-Chloroethylvinylether	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol	210	U	ug/kg	210	220	U	ug/kg	220	210	U	ug/kg	210	220	U	ug/kg	220
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
1,2-Dibromoethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane	210	R	ug/kg		220	R	ug/kg		210	R	ug/kg		220	R	ug/kg	
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7675011				M7675010				M7675009				M7675008			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS02201				28SS02301				28SS02401				28SS02501			
Collect Date:		05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Bromomethane		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Vinyl chloride		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Chloroethane		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Methylene chloride		7	U	ug/kg	7	7	U	ug/kg	7	6	U	ug/kg	6	6	U	ug/kg	6
Acetone		33	U	ug/kg	33	32	U	ug/kg	32	25	U	ug/kg	25	26	U	ug/kg	26
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		11	R	ug/kg		10	R	ug/kg		10	R	ug/kg		10	R	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
2-Hexanone		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		5	U	ug/kg	5	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Acrolein		110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100
Iodomethane		11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
1,4-Dichlorobenzene		350	U	ug/kg	350	340	U	ug/kg	340	5	U	ug/kg	5	350	U	ug/kg	350
Acrylonitrile		110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100
Dibromomethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675011				M7675010				M7675009				M7675008			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS02201				28SS02301				28SS02401				28SS02501			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	5	U	ug/kg	5	340	U	ug/kg	340	5	U	ug/kg	5	350	U	ug/kg	350
2-Chloroethylvinylether	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Ethyl methacrylate	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol	220	U	ug/kg	220	210	U	ug/kg	210	210	U	ug/kg	210	210	U	ug/kg	210
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
1,2-Dibromoethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane	220	R	ug/kg		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg	
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Pentachloroethane	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Propionitrile	110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100
Vinyl acetate	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7675007				M7675006				M7675005				M7675004			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS02601				28SS02701				28SS02801				28SS02901			
Collect Date:		05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride		12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		13	U	ug/kg	13	6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7
Acetone		110	J	ug/kg		34	U	ug/kg	34	15	U	ug/kg	15	29	U	ug/kg	29
Carbon disulfide		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		12	R	ug/kg		10	R	ug/kg		11	R	ug/kg		11	R	ug/kg	
1,1,1-Trichloroethane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichlorofluoromethane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		350	U	ug/kg	350	340	U	ug/kg	340	5	U	ug/kg	5	350	U	ug/kg	350
Acrolein		120	U	ug/kg	120	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110
Iodomethane		12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
1,4-Dichlorobenzene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Acrylonitrile		120	U	ug/kg	120	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110
Dibromomethane		6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675007				M7675006				M7675005				M7675004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS02601				28SS02701				28SS02801				28SS02901			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	350	U	ug/kg	350	5	U	ug/kg	5	350	U	ug/kg	350	350	U	ug/kg	350
2-Chloroethylvinylether	12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol	240	U	ug/kg	240	210	U	ug/kg	210	210	U	ug/kg	210	210	U	ug/kg	210
1,1,1,2-Tetrachloroethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	120	U	ug/kg	120	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110
1,2-Dibromoethane	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane	240	R	ug/kg		210	R	ug/kg		210	R	ug/kg		210	R	ug/kg	
3-Chloropropene	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	120	U	ug/kg	120	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	6	U	ug/kg	6	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	120	U	ug/kg	120	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	12	U	ug/kg	12	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (B270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7675002				M7675003				M7683001				M7683002			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS03001				28SS03001D				28SS03101				28SS03201			
Collect Date:		05-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride		10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		6	U	ug/kg	6	6	U	ug/kg	6	7	U	ug/kg	7	15	U	ug/kg	15
Acetone		10	U	ug/kg	10	10	U	ug/kg	10	24	UJ	ug/kg		24	UJ	ug/kg	
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		10	R	ug/kg		10	R	ug/kg		11	R	ug/kg		11	R	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Acrolein		100	U	ug/kg	100	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110
Iodomethane		10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
1,4-Dichlorobenzene		340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Acrylonitrile		100	U	ug/kg	100	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110
Dibromomethane		5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675002				M7675003				M7683001				M7683002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS03001				28SS03001D				28SS03101				28SS03201			
Collect Date:	05-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Chloroethylvinylether	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol	210	U	ug/kg	210	210	U	ug/kg	210	220	U	ug/kg	220	220	U	ug/kg	220
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	110	U	ug/kg	110	110	U	ug/kg	110	110	U	ug/kg	110	120	U	ug/kg	120
1,2-Dibromoethane	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane	210	R	ug/kg		210	R	ug/kg		220	R	ug/kg		220	R	ug/kg	
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	100	U	ug/kg	100	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	100	U	ug/kg	100	100	U	ug/kg	100	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7683005			M7698012			M7698011		
Site		RFADATA			RFADATA			RFADATA		
Locator		28SS03301			28SS03401			28SS03501		
Collect Date:		06-AUG-94			10-AUG-94			10-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg									
Chloromethane		10 U	ug/kg	10	10 U	ug/kg	10	11 U	ug/kg	11
Bromomethane		10 U	ug/kg	10	10 U	ug/kg	10	11 U	ug/kg	11
Vinyl chloride		10 U	ug/kg	10	10 U	ug/kg	10	11 U	ug/kg	11
Chloroethane		10 U	ug/kg	10	10 U	ug/kg	10	11 U	ug/kg	11
Methylene chloride		17 U	ug/kg	17	4 J	ug/kg		6 U	ug/kg	6
Acetone		27 UJ	ug/kg		10 U	ug/kg	10	11 U	ug/kg	11
Carbon disulfide		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
1,1-Dichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
1,1-Dichloroethene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
1,2-Dichloroethene (total)		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Chloroform		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
1,2-Dichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
2-Butanone		10 R	ug/kg		10 U	ug/kg	10	11 U	ug/kg	11
1,1,1-Trichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Carbon tetrachloride		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Bromodichloromethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
1,2-Dichloropropane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
cis-1,3-Dichloropropene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Trichloroethene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Dibromochloromethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
1,1,2-Trichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Benzene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
trans-1,3-Dichloropropene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Bromoform		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
4-Methyl-2-pentanone		10 U	ug/kg	10	10 U	ug/kg	10	11 U	ug/kg	11
2-Hexanone		10 U	ug/kg	10	10 U	ug/kg	10	11 U	ug/kg	11
Tetrachloroethene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
1,1,2,2-Tetrachloroethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Toluene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Chlorobenzene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Ethylbenzene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Styrene		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Xylenes (total)		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
Trichlorofluoromethane		5 U	ug/kg	5	5 U	ug/kg	5	6 U	ug/kg	6
1,3-Dichlorobenzene		350 U	ug/kg	350	5 U	ug/kg	5	370 U	ug/kg	370
Acrolein		100 U	ug/kg	100	100 U	ug/kg	100	110 U	ug/kg	110
Iodomethane		10 U	ug/kg	10	10 R	ug/kg		11 R	ug/kg	
1,4-Dichlorobenzene		5 U	ug/kg	5	3600 U	ug/kg	3600	370 U	ug/kg	370
Acrylonitrile		100 U	ug/kg	100	100 U	ug/kg	100	110 U	ug/kg	110
Dibromomethane		5 U	ug/kg	5	5 R	ug/kg		6 R	ug/kg	

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7683005				M7698012				M7698011			
Site	RFADATA				RFADATA				RFADATA			
Locator	28SS03301				28SS03401				28SS03501			
Collect Date:	06-AUG-94				10-AUG-94				10-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2-Chloroethylvinylether	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11
Ethyl methacrylate	5	U	ug/kg	5	5	R	ug/kg		6	R	ug/kg	
1,2,3-Trichloropropane	5	U	ug/kg	5	5	R	ug/kg		6	R	ug/kg	
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5	5	R	ug/kg		6	R	ug/kg	
Isobutyl alcohol	210	U	ug/kg	210	210	R	ug/kg		220	R	ug/kg	
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5	5	R	ug/kg		6	R	ug/kg	
1,2-Dibromo-3-chloropropane	110	U	ug/kg	110	10	R	ug/kg		11	R	ug/kg	
1,2-Dibromoethane	5	U	ug/kg	5	5	R	ug/kg		6	R	ug/kg	
1,4-Dioxane	210	R	ug/kg		520	R	ug/kg		550	R	ug/kg	
3-Chloropropene	5	U	ug/kg	5	-		ug/kg		-		ug/kg	
Acetonitrile	100	U	ug/kg	100	100	R	ug/kg		110	R	ug/kg	
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	21	R	ug/kg		22	R	ug/kg	
Methyl methacrylate	10	U	ug/kg	10	10	R	ug/kg		11	R	ug/kg	
Pentachloroethane	10	U	ug/kg	10	3600	U	ug/kg	3600	370	U	ug/kg	370
Propionitrile	100	U	ug/kg	100	100	R	ug/kg		110	R	ug/kg	
Vinyl acetate	10	U	ug/kg	10	10	U	ug/kg	10	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684001				M7684002				M7684003				M7675014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00101				28SS00201				28SS00201D				28SS00301			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24) ug/kg																
N-Nitrosodimethylamine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Phenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Aniline	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
bis (2-Chloroethyl) ether	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
1,3-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	5	U	ug/kg	5
1,4-Dichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	5	U	ug/kg	5
Benzyl Alcohol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
1,2-Dichlorobenzene	6	U	ug/kg	6	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2-Methylphenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
bis(2-Chloroisopropyl)ether	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
N-Nitroso-di-n-propylamine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Hexachloroethane	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Nitrobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Isophorone	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2-Nitrophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2,4-Dimethylphenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Benzoic acid	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
bis(2-Chloroethoxy)methane	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2,4-Dichlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
1,2,4-Trichlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Naphthalene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
4-Chloroaniline	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Hexachlorobutadiene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
4-Chloro-3-methylphenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2-Methylnaphthalene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Hexachlorocyclopentadiene	370	UJ	ug/kg		360	UJ	ug/kg		360	UJ	ug/kg		720	U	ug/kg	720
2,4,6-Trichlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Dimethylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2,4,5-Trichlorophenol	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
2-Chloronaphthalene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2-Nitroaniline	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
Acenaphthylene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2,6-Dinitrotoluene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
3-Nitroaniline	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	UJ	ug/kg	
Acenaphthene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2,4-Dinitrophenol	1800	UJ	ug/kg		1800	UJ	ug/kg		1800	UJ	ug/kg		3500	U	ug/kg	3500
4-Nitrophenol	1800	UJ	ug/kg		1800	UJ	ug/kg		1800	UJ	ug/kg		3500	U	ug/kg	3500
Dibenzofuran	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2,4-Dinitrotoluene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Diethylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	43	J	ug/kg		720	U	ug/kg	720
4-Chlorophenyl-phenylether	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Fluorene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
4-Nitroaniline	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
4,6-Dinitro-2-methylphenol	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
N-Nitrosodiphenylamine (1)	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
1,2-Diphenylhydrazine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
4-Bromophenyl-phenylether	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Hexachlorobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Pentachlorophenol	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
Phenanthrene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684001				M7684002				M7684003				M7675014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00101				28SS00201				28SS00201D				28SS00301			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Di-n-Butylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	41	J	ug/kg		720	U	ug/kg	720
Fluoranthene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Pyrene	370	U	ug/kg	370	360	U	ug/kg	360	37	J	ug/kg		720	U	ug/kg	720
Butylbenzylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
3,3'-Dichlorobenzidine	750	UJ	ug/kg		730	UJ	ug/kg		730	UJ	ug/kg		1400	U	ug/kg	1400
Benzo(a)anthracene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Chrysene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
bis(2-Ethylhexyl)phthalate	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Di-n-octylphthalate	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Benzo(b)fluoranthene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Benzo(k)fluoranthene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Benzo(a)pyrene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Indeno(1,2,3-cd)pyrene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Dibenz(a,h)anthracene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Benzo(g,h,i)perylene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
2-Picoline	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
Methyl methanesulfonate	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	UJ	ug/kg	
Ethyl methanesulfonate	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Acetophenone	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
N-Nitrosopiperidine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Phenyl-tert-butylamine	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
2,6-Dichlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
N-Nitroso-di-n-butylamine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
N-Nitrosodiethylamine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
N-Nitrosopyrrolidine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Benzidine	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
Pentachlorobenzene	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
1-Naphthylamine	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
2-Naphthylamine	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	UJ	ug/kg	
2,3,4,6-Tetrachlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Phenacetin	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	UJ	ug/kg	
4-Aminobiphenyl	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	UJ	ug/kg	
Pentachloronitrobenzene	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
Pronamide	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
p-(Dimethylamino)azobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
7,12-Dimethylbenz(A)Anthracene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
3-Methylcholanthrene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Pyridine	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
N-Nitrosomethylethylamine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
N-Nitrosomorpholine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
o-Toluidine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
Hexachloropropene	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	R	ug/kg	
p-Phenylenediamine	18000	UJ	ug/kg		18000	UJ	ug/kg		18000	UJ	ug/kg		35000	U	ug/kg	35000
Safrole	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
Isosafrole	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	U	ug/kg	3500
1,4-Naphthoquinone	37000	U	ug/kg	37000	36000	U	ug/kg	36000	36000	U	ug/kg	36000	72000	U	ug/kg	72000
1,3-Dinitrobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
5-Nitro-o-toluidine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
1,3,5-Trinitrobenzene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
4-Nitroquinoline-1-oxide	18000	R	ug/kg		18000	R	ug/kg		18000	R	ug/kg		35000	UJ	ug/kg	

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684001				M7684002				M7684003				M7675014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00101				28SS00201				28SS00201D				28SS00301			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	1800	UJ	ug/kg		1800	UJ	ug/kg		1800	UJ	ug/kg		3500	UJ	ug/kg	
3,3'-Dimethylbenzidine	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	UJ	ug/kg	
Hexachlorophene	18000	R	ug/kg		18000	R	ug/kg		18000	R	ug/kg		35000	UJ	ug/kg	
Aramite	1800	UJ	ug/kg		1800	UJ	ug/kg		1800	UJ	ug/kg		3500	U	ug/kg	3500
2-Chlorophenol	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
3- & 4-Methylphenol (2)	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1800	U	ug/kg	1800	1800	U	ug/kg	1800	1800	U	ug/kg	1800	3500	R	ug/kg	
2-Acetylaminofluorene	370	U	ug/kg	370	360	U	ug/kg	360	360	U	ug/kg	360	720	U	ug/kg	720

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7675015				M7675016				M7675017				M7675018			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS00401				28SS00501				28SS00601				28SS00701			
Collect Date:		05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Phenol		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Aniline		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
bis (2-Chloroethyl) ether		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
1,3-Dichlorobenzene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	5	U	ug/kg	5
1,4-Dichlorobenzene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	5	U	ug/kg	5	350	U	ug/kg	350
Benzyl Alcohol		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
1,2-Dichlorobenzene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	5	U	ug/kg	5	5	U	ug/kg	5
2-Methylphenol		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
bis(2-Chloroisopropyl)ether		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
N-Nitroso-di-n-propylamine		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Hexachloroethane		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Nitrobenzene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Isophorone		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2-Nitrophenol		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2,4-Dimethylphenol		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Benzoic acid		6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
bis(2-Chloroethoxy)methane		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2,4-Dichlorophenol		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
1,2,4-Trichlorobenzene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Naphthalene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
4-Chloroaniline		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Hexachlorobutadiene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
4-Chloro-3-methylphenol		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2-Methylnaphthalene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Hexachlorocyclopentadiene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2,4,6-Trichlorophenol		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Dimethylphthalate		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2,4,5-Trichlorophenol		6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
2-Chloronaphthalene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2-Nitroaniline		6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Acenaphthylene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2,6-Dinitrotoluene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
3-Nitroaniline		6700	UJ	ug/kg		6800	UJ	ug/kg		3400	UJ	ug/kg		1700	UJ	ug/kg	
Acenaphthene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2,4-Dinitrophenol		6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
4-Nitrophenol		6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Dibenzofuran		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2,4-Dinitrotoluene		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Diethylphthalate		1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675015				M7675016				M7675017				M7675018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00401				28SS00501				28SS00601				28SS00701			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Fluorene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
4-Nitroaniline	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
4,6-Dinitro-2-methylphenol	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
N-Nitrosodiphenylamine (1)	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
1,2-Diphenylhydrazine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
4-Bromophenyl-phenylether	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Hexachlorobenzene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Pentachlorophenol	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Phenanthrene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Anthracene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Di-n-Butylphthalate	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	75	J	ug/kg	
Fluoranthene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Pyrene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Butylbenzylphthalate	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
3,3'-Dichlorobenzidine	2800	U	ug/kg	2800	2800	U	ug/kg	2800	1400	U	ug/kg	1400	690	U	ug/kg	690
Benzo(a)anthracene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Chrysene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
bis(2-Ethylhexyl)phthalate	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Di-n-octylphthalate	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Benzo(b)fluoranthene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Benzo(k)fluoranthene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Benzo(a)pyrene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Indeno(1,2,3-cd)pyrene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Dibenz(a,h)anthracene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Benzo(g,h,i)perylene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
2-Picoline	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Methyl methanesulfonate	1400	UJ	ug/kg		1400	UJ	ug/kg		710	UJ	ug/kg		350	UJ	ug/kg	
Ethyl methanesulfonate	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Acetophenone	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
N-Nitrosopiperidine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Phenyl-tert-butylamine	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
2,6-Dichlorophenol	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
N-Nitroso-di-n-butylamine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
N-Nitrosodiethylamine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
N-Nitrosopyrrolidine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Benzidine	6700	UJ	ug/kg		6800	UJ	ug/kg		3400	UJ	ug/kg		1700	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Pentachlorobenzene	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
1-Naphthylamine	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
2-Naphthylamine	6700	UJ	ug/kg		6800	UJ	ug/kg		3400	UJ	ug/kg		1700	UJ	ug/kg	
2,3,4,6-Tetrachlorophenol	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Phenacetin	1400	UJ	ug/kg		1400	UJ	ug/kg		710	UJ	ug/kg		350	UJ	ug/kg	
4-Aminobiphenyl	6700	UJ	ug/kg		6800	UJ	ug/kg		3400	UJ	ug/kg		1700	UJ	ug/kg	
Pentachloronitrobenzene	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Pronamide	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
p-(Dimethylamino)azobenzene	1400	U	ug/kg	1400	1400	UJ	ug/kg		710	U	ug/kg	710	350	U	ug/kg	350
7,12-Dimethylbenz(A)Anthracene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
3-Methylcholanthrene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Pyridine	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
N-Nitrosomethylethylamine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
N-Nitrosomorpholine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675015				M7675016				M7675017				M7675018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00401				28SS00501				28SS00601				28SS00701			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
Hexachloropropene	6700	R	ug/kg		6800	R	ug/kg		3400	R	ug/kg		1700	R	ug/kg	
p-Phenylenediamine	67000	U	ug/kg	67000	68000	U	ug/kg	68000	34000	U	ug/kg	34000	17000	U	ug/kg	17000
Safrole	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Isosafrole	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
1,4-Naphthoquinone	140000	U	ug/kg	140000	140000	U	ug/kg	140000	71000	U	ug/kg	71000	35000	U	ug/kg	35000
1,3-Dinitrobenzene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
5-Nitro-o-toluidine	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
1,3,5-Trinitrobenzene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
4-Nitroquinoline-1-oxide	67000	UJ	ug/kg		68000	UJ	ug/kg		34000	UJ	ug/kg		17000	UJ	ug/kg	
Methapyrilene	6700	UJ	ug/kg		6800	UJ	ug/kg		3400	UJ	ug/kg		1700	UJ	ug/kg	
3,3'-Dimethylbenzidine	1400	UJ	ug/kg		1400	U	ug/kg	1400	710	UJ	ug/kg		350	UJ	ug/kg	
Hexachlorophene	67000	UJ	ug/kg		68000	UJ	ug/kg		34000	UJ	ug/kg		17000	UJ	ug/kg	
Aramite	6700	U	ug/kg	6700	6800	U	ug/kg	6800	3400	U	ug/kg	3400	1700	U	ug/kg	1700
2-Chlorophenol	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
3- & 4-Methylphenol (2)	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	6700	R	ug/kg		6800	R	ug/kg		3400	R	ug/kg		1700	R	ug/kg	
2-Acetylaminofluorene	1400	U	ug/kg	1400	1400	U	ug/kg	1400	710	U	ug/kg	710	350	U	ug/kg	350

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7698013			M7675019			M7684010			M7684009		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		28SS00801			28SS00901			28SS01001			28SS01101		
Collect Date:		10-AUG-94			05-AUG-94			06-AUG-94			06-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg												
N-Nitrosodimethylamine		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Phenol		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Aniline		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
bis (2-Chloroethyl) ether		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
1,3-Dichlorobenzene		5 U	ug/kg	5	350 U	ug/kg	350	360 U	ug/kg	360	6 U	ug/kg	6
1,4-Dichlorobenzene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Benzyl Alcohol		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
1,2-Dichlorobenzene		350 U	ug/kg	350	5 U	ug/kg	5	360 U	ug/kg	360	360 U	ug/kg	360
2-Methylphenol		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
bis(2-Chloroisopropyl)ether		350 UJ	ug/kg		350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
N-Nitroso-di-n-propylamine		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Hexachloroethane		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Nitrobenzene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Isophorone		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2-Nitrophenol		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2,4-Dimethylphenol		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Benzoic acid		1800 U	ug/kg	1800	1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
bis(2-Chloroethoxy)methane		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2,4-Dichlorophenol		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
1,2,4-Trichlorobenzene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Naphthalene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
4-Chloroaniline		350 U	ug/kg	350	350 UJ	ug/kg		360 U	ug/kg	360	360 U	ug/kg	360
Hexachlorobutadiene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
4-Chloro-3-methylphenol		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2-Methylnaphthalene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Hexachlorocyclopentadiene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2,4,6-Trichlorophenol		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Dimethylphthalate		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2,4,5-Trichlorophenol		1800 U	ug/kg	1800	1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
2-Chloronaphthalene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2-Nitroaniline		1800 UJ	ug/kg		1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
Acenaphthylene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2,6-Dinitrotoluene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
3-Nitroaniline		1800 U	ug/kg	1800	1700 UJ	ug/kg		1700 U	ug/kg	1700	1700 U	ug/kg	1700
Acenaphthene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2,4-Dinitrophenol		1800 U	ug/kg	1800	1700 UJ	ug/kg		1700 U	ug/kg	1700	1700 U	ug/kg	1700
4-Nitrophenol		1800 UJ	ug/kg		1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
Dibenzofuran		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
2,4-Dinitrotoluene		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360
Diethylphthalate		350 U	ug/kg	350	350 U	ug/kg	350	360 U	ug/kg	360	360 U	ug/kg	360

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7698013				M7675019				M7684010				M7684009			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00801				28SS00901				28SS01001				28SS01101			
Collect Date:	10-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
Fluorene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
4-Nitroaniline	1800	UJ	ug/kg		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
4,6-Dinitro-2-methylphenol	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
N-Nitrosodiphenylamine (1)	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
1,2-Diphenylhydrazine	350	UJ	ug/kg		350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
4-Bromophenyl-phenylether	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
Hexachlorobenzene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
Pentachlorophenol	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Phenanthrene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
Anthracene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
Di-n-Butylphthalate	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
Fluoranthene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	49	J	ug/kg	
Pyrene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	39	J	ug/kg	
Butylbenzylphthalate	350	U	ug/kg	350	350	U	ug/kg	350	86	J	ug/kg		100	J	ug/kg	
3,3'-Dichlorobenzidine	710	U	ug/kg	710	690	UJ	ug/kg		720	U	ug/kg	720	720	U	ug/kg	720
Benzo(a)anthracene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	46	J	ug/kg	
Chrysene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	42	J	ug/kg	
bis(2-Ethylhexyl)phthalate	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	95	J	ug/kg	
Di-n-octylphthalate	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	40	J	ug/kg	
Benzo(b)fluoranthene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	50	J	ug/kg	
Benzo(k)fluoranthene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	48	J	ug/kg	
Benzo(a)pyrene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	50	J	ug/kg	
Indeno(1,2,3-cd)pyrene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	48	J	ug/kg	
Dibenz(a,h)anthracene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	52	J	ug/kg	
Benzo(g,h,i)perylene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	50	J	ug/kg	
2-Picoline	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	UJ	ug/kg		1700	UJ	ug/kg	
Methyl methanesulfonate	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
Ethyl methanesulfonate	350	U	ug/kg	350	350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
Acetophenone	350	U	ug/kg	350	350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
N-Nitrosopiperidine	350	U	ug/kg	350	350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
Phenyl-tert-butylamine	1800	UJ	ug/kg		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2,6-Dichlorophenol	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
N-Nitroso-di-n-butylamine	350	U	ug/kg	350	350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
N-Nitrosodiethylamine	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
N-Nitrosopyrrolidine	350	U	ug/kg	350	350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
Benzidine	1800	U	ug/kg	1800	1700	UJ	ug/kg		1700	U	ug/kg	1700	1700	U	ug/kg	1700
1,2,4,5-Tetrachlorobenzene	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pentachlorobenzene	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
1-Naphthylamine	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2-Naphthylamine	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2,3,4,6-Tetrachlorophenol	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
Phenacetin	350	UJ	ug/kg		350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
4-Aminobiphenyl	1800	U	ug/kg	1800	1700	UJ	ug/kg		1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pentachloronitrobenzene	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pronamide	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
p-(Dimethylamino)azobenzene	350	U	ug/kg	350	350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
7,12-Dimethylbenz(A)Anthracene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
3-Methylcholanthrene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
Pyridine	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	UJ	ug/kg		1700	UJ	ug/kg	
N-Nitrosomethylethylamine	350	U	ug/kg	350	350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
N-Nitrosomorpholine	350	U	ug/kg	350	350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7698013				M7675019				M7684010				M7684009			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00801				28SS00901				28SS01001				28SS01101			
Collect Date:	10-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	350	U	ug/kg	350	350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
Hexachloropropene	1800	U	ug/kg	1800	1700	R	ug/kg		1700	U	ug/kg	1700	1700	U	ug/kg	1700
p-Phenylenediamine	18000	UJ	ug/kg		17000	U	ug/kg	17000	17000	UJ	ug/kg		17000	UJ	ug/kg	
Safrole	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Isosafrole	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
1,4-Naphthoquinone	35000	U	ug/kg	35000	35000	U	ug/kg	35000	36000	U	ug/kg	36000	36000	U	ug/kg	36000
1,3-Dinitrobenzene	350	UJ	ug/kg		350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
5-Nitro-o-toluidine	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
1,3,5-Trinitrobenzene	350	UJ	ug/kg		350	U	ug/kg	350	360	UJ	ug/kg		360	UJ	ug/kg	
4-Nitroquinoline-1-oxide	18000	U	ug/kg	18000	17000	UJ	ug/kg		17000	R	ug/kg		17000	R	ug/kg	
Methapyrilene	1800	UJ	ug/kg		1700	U	ug/kg	1700	1700	UJ	ug/kg		1700	UJ	ug/kg	
3,3'-Dimethylbenzidine	350	U	ug/kg	350	350	UJ	ug/kg		360	U	ug/kg	360	360	U	ug/kg	360
Hexachlorophene	18000	U	ug/kg	18000	17000	UJ	ug/kg		17000	R	ug/kg		17000	R	ug/kg	
Aramite	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2-Chlorophenol	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
3- & 4-Methylphenol (2)	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1800	U	ug/kg	1800	1700	R	ug/kg		1700	U	ug/kg	1700	1700	U	ug/kg	1700
2-Acetylaminofluorene	350	U	ug/kg	350	350	U	ug/kg	350	360	U	ug/kg	360	360	U	ug/kg	360

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7684011			M7684012			M7684013			M7684014		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		28SS01201			28SS01301			28SS01401			28SS01401D		
Collect Date:		06-AUG-94			06-AUG-94			06-AUG-94			06-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg												
N-Nitrosodimethylamine		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Phenol		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Aniline		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
bis (2-Chloroethyl) ether		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
1,3-Dichlorobenzene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
1,4-Dichlorobenzene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Benzyl Alcohol		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
1,2-Dichlorobenzene		5 U	ug/kg	5	350 U	ug/kg	350	350 U	ug/kg	350	6 U	ug/kg	6
2-Methylphenol		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
bis(2-Chloroisopropyl)ether		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
N-Nitroso-di-n-propylamine		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Hexachloroethane		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Nitrobenzene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Isophorone		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2-Nitrophenol		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2,4-Dimethylphenol		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Benzoic acid		1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
bis(2-Chloroethoxy)methane		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2,4-Dichlorophenol		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
1,2,4-Trichlorobenzene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Naphthalene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
4-Chloroaniline		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Hexachlorobutadiene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
4-Chloro-3-methylphenol		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2-Methylnaphthalene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Hexachlorocyclopentadiene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2,4,6-Trichlorophenol		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Dimethylphthalate		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2,4,5-Trichlorophenol		1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
2-Chloronaphthalene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2-Nitroaniline		1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
Acenaphthylene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2,6-Dinitrotoluene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
3-Nitroaniline		1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
Acenaphthene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2,4-Dinitrophenol		1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
4-Nitrophenol		1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700	1700 U	ug/kg	1700
Dibenzofuran		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
2,4-Dinitrotoluene		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Diethylphthalate		360 U	ug/kg	360	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684011				M7684012				M7684013				M7684014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01201				28SS01301				28SS01401				28SS01401D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Fluorene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
4-Nitroaniline	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
4,6-Dinitro-2-methylphenol	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
N-Nitrosodiphenylamine (1)	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
1,2-Diphenylhydrazine	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
4-Bromophenyl-phenylether	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Pentachlorophenol	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Phenanthrene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Anthracene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-Butylphthalate	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Fluoranthene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Pyrene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Butylbenzylphthalate	83	J	ug/kg		350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
3,3'-Dichlorobenzidine	720	U	ug/kg	720	700	U	ug/kg	700	710	U	ug/kg	710	700	U	ug/kg	700
Benzo(a)anthracene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Chrysene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
bis(2-Ethylhexyl)phthalate	41	J	ug/kg		350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-octylphthalate	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(b)fluoranthene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(k)fluoranthene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(a)pyrene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Indeno(1,2,3-cd)pyrene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Dibenz(a,h)anthracene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(g,h,i)perylene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2-Picoline	1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
Methyl methanesulfonate	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Ethyl methanesulfonate	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
Acetophenone	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
N-Nitrosopiperidine	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
Phenyl-tert-butylamine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2,6-Dichlorophenol	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitroso-di-n-butylamine	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
N-Nitrosodiethylamine	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosopyrrolidine	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
Benzidine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
1,2,4,5-Tetrachlorobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pentachlorobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
1-Naphthylamine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2-Naphthylamine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2,3,4,6-Tetrachlorophenol	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Phenacetin	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
4-Aminobiphenyl	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pentachloronitrobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pronamide	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
p-(Dimethylamino)azobenzene	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
7,12-Dimethylbenz(A)Anthracene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
3-Methylcholanthrene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Pyridine	1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
N-Nitrosomethylethylamine	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
N-Nitrosomorpholine	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684011				M7684012				M7684013				M7684014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01201				28SS01301				28SS01401				28SS01401D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
Hexachloropropene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
p-Phenylenediamine	17000	UJ	ug/kg		17000	UJ	ug/kg		17000	UJ	ug/kg		17000	UJ	ug/kg	
Safrole	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Isosafrole	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
1,4-Naphthoquinone	36000	U	ug/kg	36000	35000	U	ug/kg	35000	35000	U	ug/kg	35000	35000	U	ug/kg	35000
1,3-Dinitrobenzene	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
5-Nitro-o-toluidine	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
1,3,5-Trinitrobenzene	360	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
4-Nitroquinoline-1-oxide	17000	R	ug/kg		17000	R	ug/kg		17000	R	ug/kg		17000	R	ug/kg	
Methapyrilene	1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
3,3'-Dimethylbenzidine	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorophene	17000	R	ug/kg		17000	R	ug/kg		17000	R	ug/kg		17000	R	ug/kg	
Aramite	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2-Chlorophenol	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
3- & 4-Methylphenol (2)	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2-Acetylaminofluorene	360	U	ug/kg	360	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7684015				M7684016				M7684017				M7684018			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS01501				28SS01601				28SS01701				28SS01801			
Collect Date:		06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Phenol		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Aniline		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
bis (2-Chloroethyl) ether		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
1,3-Dichlorobenzene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
1,4-Dichlorobenzene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Benzyl Alcohol		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
1,2-Dichlorobenzene		350	U	ug/kg	350	5	U	ug/kg	5	5	U	ug/kg	5	360	U	ug/kg	360
2-Methylphenol		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
bis(2-Chloroisopropyl)ether		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
N-Nitroso-di-n-propylamine		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Hexachloroethane		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Nitrobenzene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Isophorone		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2-Nitrophenol		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2,4-Dimethylphenol		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Benzoic acid		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
bis(2-Chloroethoxy)methane		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2,4-Dichlorophenol		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
1,2,4-Trichlorobenzene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Naphthalene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
4-Chloroaniline		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Hexachlorobutadiene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
4-Chloro-3-methylphenol		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2-Methylnaphthalene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Hexachlorocyclopentadiene		350	UJ	ug/kg		350	UJ	ug/kg		370	UJ	ug/kg		360	UJ	ug/kg	
2,4,6-Trichlorophenol		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Dimethylphthalate		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2,4,5-Trichlorophenol		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
2-Chloronaphthalene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2-Nitroaniline		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Acenaphthylene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2,6-Dinitrotoluene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
3-Nitroaniline		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Acenaphthene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2,4-Dinitrophenol		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
4-Nitrophenol		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Dibenzofuran		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2,4-Dinitrotoluene		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Diethylphthalate		350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684015				M7684016				M7684017				M7684018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01501				28SS01601				28SS01701				28SS01801			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Fluorene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
4-Nitroaniline	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
4,6-Dinitro-2-methylphenol	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
N-Nitrosodiphenylamine (1)	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
1,2-Diphenylhydrazine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
4-Bromophenyl-phenylether	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Hexachlorobenzene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Pentachlorophenol	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Phenanthrene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Anthracene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Di-n-Butylphthalate	92	J	ug/kg		160	J	ug/kg		370	U	ug/kg	370	360	U	ug/kg	360
Fluoranthene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Pyrene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Butylbenzylphthalate	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
3,3'-Dichlorobenzidine	700	U	ug/kg	700	710	U	ug/kg	710	740	U	ug/kg	740	720	U	ug/kg	720
Benzo(a)anthracene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Chrysene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
bis(2-Ethylhexyl)phthalate	37	J	ug/kg		350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Di-n-octylphthalate	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Benzo(b)fluoranthene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Benzo(k)fluoranthene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Benzo(a)pyrene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Indeno(1,2,3-cd)pyrene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Dibenz(a,h)anthracene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Benzo(g,h,i)perylene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
2-Picoline	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Methyl methanesulfonate	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Ethyl methanesulfonate	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Acetophenone	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
N-Nitrosopiperidine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Phenyl-tert-butylamine	1700	UJ	ug/kg		1700	UJ	ug/kg		1800	UJ	ug/kg		1700	UJ	ug/kg	
2,6-Dichlorophenol	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
N-Nitroso-di-n-butylamine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
N-Nitrosodiethylamine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
N-Nitrosopyrrolidine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Benzidine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
1,2,4,5-Tetrachlorobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Pentachlorobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
1-Naphthylamine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
2-Naphthylamine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
2,3,4,6-Tetrachlorophenol	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Phenacetin	350	UJ	ug/kg		350	UJ	ug/kg		370	UJ	ug/kg		360	UJ	ug/kg	
4-Aminobiphenyl	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Pentachloronitrobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Pronamide	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
p-(Dimethylamino)azobenzene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
7,12-Dimethylbenz(A)Anthracene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
3-Methylcholanthrene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Pyridine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
N-Nitrosomethylethylamine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
N-Nitrosomorpholine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684015				M7684016				M7684017				M7684018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01501				28SS01601				28SS01701				28SS01801			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Hexachloropropene	1700	UJ	ug/kg		1700	UJ	ug/kg		1800	UJ	ug/kg		1700	UJ	ug/kg	
p-Phenylenediamine	17000	UJ	ug/kg		17000	UJ	ug/kg		18000	UJ	ug/kg		17000	UJ	ug/kg	
Safrole	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
Isosafrole	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
1,4-Naphthoquinone	35000	U	ug/kg	35000	35000	U	ug/kg	35000	37000	U	ug/kg	37000	36000	U	ug/kg	36000
1,3-Dinitrobenzene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
5-Nitro-o-toluidine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
1,3,5-Trinitrobenzene	350	UJ	ug/kg		350	UJ	ug/kg		370	UJ	ug/kg		360	UJ	ug/kg	
4-Nitroquinoline-1-oxide	17000	R	ug/kg		17000	R	ug/kg		18000	R	ug/kg		17000	R	ug/kg	
Methapyrilene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1800	U	ug/kg	1800	1700	U	ug/kg	1700
3,3'-Dimethylbenzidine	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
Hexachlorophene	17000	R	ug/kg		17000	R	ug/kg		18000	R	ug/kg		17000	R	ug/kg	
Aramite	1700	UJ	ug/kg		1700	UJ	ug/kg		1800	UJ	ug/kg		1700	UJ	ug/kg	
2-Chlorophenol	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
3- & 4-Methylphenol (2)	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1700	UJ	ug/kg		1700	UJ	ug/kg		1800	UJ	ug/kg		1700	UJ	ug/kg	
2-Acetylaminofluorene	350	U	ug/kg	350	350	U	ug/kg	350	370	U	ug/kg	370	360	U	ug/kg	360

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7684004				M7684005				M7675012				M7675013			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS01901				28SS02001				28SS02101				28SS02101D			
Collect Date:		06-AUG-94				06-AUG-94				05-AUG-94				05-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Phenol		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Aniline		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
bis (2-Chloroethyl) ether		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
1,3-Dichlorobenzene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
1,4-Dichlorobenzene		360	U	ug/kg	360	350	U	ug/kg	350	5	U	ug/kg	5	360	U	ug/kg	360
Benzyl Alcohol		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
1,2-Dichlorobenzene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2-Methylphenol		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
bis(2-Chloroisopropyl)ether		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
N-Nitroso-di-n-propylamine		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Hexachloroethane		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Nitrobenzene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Isophorone		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2-Nitrophenol		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2,4-Dimethylphenol		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Benzoic acid		1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
bis(2-Chloroethoxy)methane		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2,4-Dichlorophenol		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
1,2,4-Trichlorobenzene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Naphthalene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
4-Chloroaniline		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Hexachlorobutadiene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
4-Chloro-3-methylphenol		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2-Methylnaphthalene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Hexachlorocyclopentadiene		360	UJ	ug/kg		350	UJ	ug/kg		710	U	ug/kg	710	360	U	ug/kg	360
2,4,6-Trichlorophenol		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Dimethylphthalate		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2,4,5-Trichlorophenol		1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
2-Chloronaphthalene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2-Nitroaniline		1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Acenaphthylene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2,6-Dinitrotoluene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
3-Nitroaniline		1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	UJ	ug/kg		1700	UJ	ug/kg	
Acenaphthene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2,4-Dinitrophenol		1700	U	ug/kg	1700	1700	UJ	ug/kg		3400	U	ug/kg	3400	1700	U	ug/kg	1700
4-Nitrophenol		1700	U	ug/kg	1700	1700	UJ	ug/kg		3400	U	ug/kg	3400	1700	U	ug/kg	1700
Dibenzofuran		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2,4-Dinitrotoluene		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Diethylphthalate		360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684004				M7684005				M7675012				M7675013			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01901				28SS02001				28SS02101				28SS02101D			
Collect Date:	06-AUG-94				06-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Fluorene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
4-Nitroaniline	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
4,6-Dinitro-2-methylphenol	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
N-Nitrosodiphenylamine (1)	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
1,2-Diphenylhydrazine	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
4-Bromophenyl-phenylether	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Hexachlorobenzene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Pentachlorophenol	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Phenanthrene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Anthracene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Di-n-Butylphthalate	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	52	J	ug/kg	
Fluoranthene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Pyrene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Butylbenzylphthalate	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
3,3'-Dichlorobenzidine	720	U	ug/kg	720	700	UJ	ug/kg		1400	U	ug/kg	1400	720	U	ug/kg	720
Benzo(a)anthracene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Chrysene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
bis(2-Ethylhexyl)phthalate	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	44	J	ug/kg	
Di-n-octylphthalate	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Benzo(b)fluoranthene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Benzo(k)fluoranthene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Benzo(a)pyrene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Indeno(1,2,3-cd)pyrene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Dibenz(a,h)anthracene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Benzo(g,h,i)perylene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
2-Picoline	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Methyl methanesulfonate	360	U	ug/kg	360	350	U	ug/kg	350	710	UJ	ug/kg		360	UJ	ug/kg	
Ethyl methanesulfonate	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Acetophenone	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
N-Nitrosopiperidine	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Phenyl-tert-butylamine	1700	UJ	ug/kg		1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
2,6-Dichlorophenol	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
N-Nitroso-di-n-butylamine	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
N-Nitrosodiethylamine	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
N-Nitrosopyrrolidine	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Benzidine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	UJ	ug/kg		1700	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Pentachlorobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
1-Naphthylamine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
2-Naphthylamine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	UJ	ug/kg		1700	UJ	ug/kg	
2,3,4,6-Tetrachlorophenol	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Phenacetin	360	UJ	ug/kg		350	U	ug/kg	350	710	UJ	ug/kg		360	UJ	ug/kg	
4-Aminobiphenyl	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	UJ	ug/kg		1700	UJ	ug/kg	
Pentachloronitrobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Pronamide	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
p-(Dimethylamino)azobenzene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
7,12-Dimethylbenz(A)Anthracene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
3-Methylcholanthrene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Pyridine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
N-Nitrosomethylethylamine	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
N-Nitrosomorpholine	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684004				M7684005				M7675012				M7675013			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01901				28SS02001				28SS02101				28SS02101D			
Collect Date:	06-AUG-94				06-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
Hexachloropropene	1700	UJ	ug/kg		1700	U	ug/kg	1700	3400	R	ug/kg		1700	R	ug/kg	
p-Phenylenediamine	17000	UJ	ug/kg		17000	UJ	ug/kg		34000	U	ug/kg	34000	17000	U	ug/kg	17000
Safrole	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
Isosafrole	1700	U	ug/kg	1700	1700	U	ug/kg	1700	3400	U	ug/kg	3400	1700	U	ug/kg	1700
1,4-Naphthoquinone	36000	U	ug/kg	36000	35000	U	ug/kg	35000	71000	U	ug/kg	71000	36000	U	ug/kg	36000
1,3-Dinitrobenzene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
5-Nitro-o-toluidine	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
1,3,5-Trinitrobenzene	360	UJ	ug/kg		350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
4-Nitroquinoline-1-oxide	17000	R	ug/kg		17000	R	ug/kg		34000	UJ	ug/kg		17000	UJ	ug/kg	
Methapyrilene	1700	U	ug/kg	1700	1700	UJ	ug/kg		3400	UJ	ug/kg		1700	UJ	ug/kg	
3,3'-Dimethylbenzidine	360	U	ug/kg	360	350	U	ug/kg	350	710	UJ	ug/kg		360	UJ	ug/kg	
Hexachlorophene	17000	R	ug/kg		17000	R	ug/kg		34000	UJ	ug/kg		17000	UJ	ug/kg	
Aramite	1700	UJ	ug/kg		1700	UJ	ug/kg		3400	U	ug/kg	3400	1700	U	ug/kg	1700
2-Chlorophenol	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
3- & 4-Methylphenol (2)	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1700	UJ	ug/kg		1700	U	ug/kg	1700	3400	R	ug/kg		1700	R	ug/kg	
2-Acetylaminofluorene	360	U	ug/kg	360	350	U	ug/kg	350	710	U	ug/kg	710	360	U	ug/kg	360

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675011			M7675010			M7675009			M7675008		
Site	RFADATA			RFADATA			RFADATA			RFADATA		
Locator	28SS02201			28SS02301			28SS02401			28SS02501		
Collect Date:	05-AUG-94			05-AUG-94			05-AUG-94			05-AUG-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
BKG SVOC (8270+24) ug/kg												
N-Nitrosodimethylamine	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Phenol	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Aniline	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
bis (2-Chloroethyl) ether	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
1,3-Dichlorobenzene	5	U ug/kg	5	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
1,4-Dichlorobenzene	350	U ug/kg	350	340	U ug/kg	340	5	U ug/kg	5	350	U ug/kg	350
Benzyl Alcohol	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
1,2-Dichlorobenzene	5	U ug/kg	5	340	U ug/kg	340	5	U ug/kg	5	350	U ug/kg	350
2-Methylphenol	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
bis(2-Chloroisopropyl)ether	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
N-Nitroso-di-n-propylamine	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Hexachloroethane	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Nitrobenzene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Isophorone	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2-Nitrophenol	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2,4-Dimethylphenol	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Benzoic acid	1700	U ug/kg	1700	1600	U ug/kg	1600	1700	U ug/kg	1700	1700	U ug/kg	1700
bis(2-Chloroethoxy)methane	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2,4-Dichlorophenol	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
1,2,4-Trichlorobenzene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Naphthalene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
4-Chloroaniline	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Hexachlorobutadiene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
4-Chloro-3-methylphenol	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2-Methylnaphthalene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Hexachlorocyclopentadiene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2,4,6-Trichlorophenol	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Dimethylphthalate	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2,4,5-Trichlorophenol	1700	U ug/kg	1700	1600	U ug/kg	1600	1700	U ug/kg	1700	1700	U ug/kg	1700
2-Chloronaphthalene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2-Nitroaniline	1700	U ug/kg	1700	1600	U ug/kg	1600	1700	U ug/kg	1700	1700	U ug/kg	1700
Acenaphthylene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2,6-Dinitrotoluene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
3-Nitroaniline	1700	UJ ug/kg		1600	UJ ug/kg		1700	UJ ug/kg		1700	UJ ug/kg	
Acenaphthene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2,4-Dinitrophenol	1700	U ug/kg	1700	1600	U ug/kg	1600	1700	UJ ug/kg		1700	UJ ug/kg	
4-Nitrophenol	1700	U ug/kg	1700	1600	U ug/kg	1600	1700	U ug/kg	1700	1700	U ug/kg	1700
Dibenzofuran	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
2,4-Dinitrotoluene	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350
Diethylphthalate	350	U ug/kg	350	340	U ug/kg	340	350	U ug/kg	350	350	U ug/kg	350

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675011				M7675010				M7675009				M7675008			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS02201				28SS02301				28SS02401				28SS02501			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Fluorene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Nitroaniline	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	UJ	ug/kg		1700	UJ	ug/kg	
4,6-Dinitro-2-methylphenol	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
N-Nitrosodiphenylamine (1)	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
1,2-Diphenylhydrazine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Bromophenyl-phenylether	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorobenzene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Pentachlorophenol	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Phenanthrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Anthracene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-Butylphthalate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Fluoranthene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Pyrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Butylbenzylphthalate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
3,3'-Dichlorobenzidine	700	U	ug/kg	700	680	U	ug/kg	680	710	U	ug/kg	710	690	U	ug/kg	690
Benzo(a)anthracene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Chrysene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
bis(2-Ethylhexyl)phthalate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-octylphthalate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(b)fluoranthene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(k)fluoranthene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(a)pyrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Indeno(1,2,3-cd)pyrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Dibenz(a,h)anthracene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(g,h,i)perylene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2-Picoline	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Methyl methanesulfonate	350	UJ	ug/kg		340	UJ	ug/kg		350	U	ug/kg	350	350	U	ug/kg	350
Ethyl methanesulfonate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Acetophenone	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosopiperidine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Phenyl-tert-butylamine	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2,6-Dichlorophenol	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitroso-di-n-butylamine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosodiethylamine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosopyrrolidine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzidine	1700	UJ	ug/kg		1600	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pentachlorobenzene	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
1-Naphthylamine	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2-Naphthylamine	1700	UJ	ug/kg		1600	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
2,3,4,6-Tetrachlorophenol	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Phenacetin	350	UJ	ug/kg		340	UJ	ug/kg		350	U	ug/kg	350	350	U	ug/kg	350
4-Aminobiphenyl	1700	UJ	ug/kg		1600	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
Pentachloronitrobenzene	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pronamide	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
p-(Dimethylamino)azobenzene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
7,12-Dimethylbenz(A)Anthracene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
3-Methylcholanthrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Pyridine	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
N-Nitrosomethylethylamine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosomorpholine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675011				M7675010				M7675009				M7675008			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SSD2201				28SS02301				28SS02401				28SS02501			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Hexachloropropene	1700	R	ug/kg		1600	R	ug/kg		1700	R	ug/kg		1700	R	ug/kg	
p-Phenylenediamine	17000	U	ug/kg	17000	16000	U	ug/kg	16000	17000	U	ug/kg	17000	17000	U	ug/kg	17000
Safrole	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Isosafrole	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	U	ug/kg	1700	1700	U	ug/kg	1700
1,4-Naphthoquinone	35000	U	ug/kg	35000	34000	U	ug/kg	34000	35000	U	ug/kg	35000	35000	U	ug/kg	35000
1,3-Dinitrobenzene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
5-Nitro-o-toluidine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
1,3,5-Trinitrobenzene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Nitroquinoline-1-oxide	17000	UJ	ug/kg		16000	UJ	ug/kg		17000	UJ	ug/kg		17000	UJ	ug/kg	
Methapyrilene	1700	UJ	ug/kg		1600	UJ	ug/kg		1700	U	ug/kg	1700	1700	U	ug/kg	1700
3,3'-Dimethylbenzidine	350	UJ	ug/kg		340	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
Hexachlorophene	17000	UJ	ug/kg		16000	UJ	ug/kg		17000	UJ	ug/kg		17000	UJ	ug/kg	
Aramite	1700	U	ug/kg	1700	1600	U	ug/kg	1600	1700	UJ	ug/kg		1700	UJ	ug/kg	
2-Chlorophenol	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
3- & 4-Methylphenol (2)	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1700	R	ug/kg		1600	R	ug/kg		1700	R	ug/kg		1700	R	ug/kg	
2-Acetylaminofluorene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7675007				M7675006				M7675005				M7675004			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS02601				28SS02701				28SS02801				28SS02901			
Collect Date:		05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Phenol		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Aniline		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
bis (2-Chloroethyl) ether		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
1,3-Dichlorobenzene		350	U	ug/kg	350	340	U	ug/kg	340	5	U	ug/kg	5	350	U	ug/kg	350
1,4-Dichlorobenzene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzyl Alcohol		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
1,2-Dichlorobenzene		350	U	ug/kg	350	5	U	ug/kg	5	350	U	ug/kg	350	350	U	ug/kg	350
2-Methylphenol		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
bis(2-Chloroisopropyl)ether		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitroso-di-n-propylamine		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Hexachloroethane		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Nitrobenzene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Isophorone		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2-Nitrophenol		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dimethylphenol		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzoic acid		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
bis(2-Chloroethoxy)methane		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dichlorophenol		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
1,2,4-Trichlorobenzene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Naphthalene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Chloroaniline		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorobutadiene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Chloro-3-methylphenol		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	55	J	ug/kg	
2-Methylnaphthalene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorocyclopentadiene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2,4,6-Trichlorophenol		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Dimethylphthalate		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2,4,5-Trichlorophenol		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2-Chloronaphthalene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2-Nitroaniline		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Acenaphthylene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2,6-Dinitrotoluene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
3-Nitroaniline		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
Acenaphthene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dinitrophenol		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
4-Nitrophenol		1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Dibenzofuran		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dinitrotoluene		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Diethylphthalate		350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675007				M7675006				M7675005				M7675004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS02601				28SS02701				28SS02801				28SS02901			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Fluorene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Nitroaniline	1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
4,6-Dinitro-2-methylphenol	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
N-Nitrosodiphenylamine (1)	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
1,2-Diphenylhydrazine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Bromophenyl-phenylether	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorobenzene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Pentachlorophenol	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Phenanthrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Anthracene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-Butylphthalate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Fluoranthene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Pyrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	62	J	ug/kg	
Butylbenzylphthalate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
3,3'-Dichlorobenzidine	700	U	ug/kg	700	690	U	ug/kg	690	700	U	ug/kg	700	690	U	ug/kg	690
Benzo(a)anthracene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Chrysene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
bis(2-Ethylhexyl)phthalate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-octylphthalate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(b)fluoranthene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(k)fluoranthene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(a)pyrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Indeno(1,2,3-cd)pyrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Dibenz(a,h)anthracene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(g,h,i)perylene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
2-Picoline	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Methyl methanesulfonate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Ethyl methanesulfonate	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Acetophenone	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosopiperidine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Phenyl-tert-butylamine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2,6-Dichlorophenol	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitroso-di-n-butylamine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosodiethylamine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosopyrrolidine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Benzidine	1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
1,2,4,5-Tetrachlorobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pentachlorobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
1-Naphthylamine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
2-Naphthylamine	1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
2,3,4,6-Tetrachlorophenol	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Phenacetin	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Aminobiphenyl	1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
Pentachloronitrobenzene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Pronamide	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
p-(Dimethylamino)azobenzene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
7,12-Dimethylbenz(A)Anthracene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
3-Methylcholanthrene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Pyridine	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
N-Nitrosomethylethylamine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosomorpholine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675007				M7675006				M7675005				M7675004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS02601				28SS02701				28SS02801				28SS02901			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
Hexachloropropene	1700	R	ug/kg		1700	R	ug/kg		1700	R	ug/kg		1700	R	ug/kg	
p-Phenylenediamine	17000	U	ug/kg	17000	17000	U	ug/kg	17000	17000	U	ug/kg	17000	17000	U	ug/kg	17000
Safrole	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
Isosafrole	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
1,4-Naphthoquinone	35000	U	ug/kg	35000	34000	U	ug/kg	34000	35000	U	ug/kg	35000	35000	U	ug/kg	35000
1,3-Dinitrobenzene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
5-Nitro-o-toluidine	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
1,3,5-Trinitrobenzene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Nitroquinoline-1-oxide	17000	UJ	ug/kg		17000	UJ	ug/kg		17000	UJ	ug/kg		17000	UJ	ug/kg	
Methapyrilene	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700	1700	U	ug/kg	1700
3,3'-Dimethylbenzidine	350	UJ	ug/kg		340	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
Hexachlorophene	17000	UJ	ug/kg		17000	UJ	ug/kg		17000	UJ	ug/kg		17000	UJ	ug/kg	
Aramite	1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg		1700	UJ	ug/kg	
2-Chlorophenol	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	89	J	ug/kg	
3- & 4-Methylphenol (2)	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1700	R	ug/kg		1700	R	ug/kg		1700	R	ug/kg		1700	R	ug/kg	
2-Acetylaminofluorene	350	U	ug/kg	350	340	U	ug/kg	340	350	U	ug/kg	350	350	U	ug/kg	350

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675002				M7675003				M7683001				M7683002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS03001				28SS03001D				28SS03101				28SS03201			
Collect Date:	05-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24) ug/kg																
N-Nitrosodimethylamine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Phenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Aniline	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	UJ	ug/kg	
bis (2-Chloroethyl) ether	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,3-Dichlorobenzene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,4-Dichlorobenzene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Benzyl Alcohol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,2-Dichlorobenzene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
2-Methylphenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
bis(2-Chloroisopropyl)ether	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	UJ	ug/kg	
N-Nitroso-di-n-propylamine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Hexachloroethane	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Nitrobenzene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Isophorone	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2-Nitrophenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dimethylphenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Benzoic acid	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	UJ	ug/kg	
bis(2-Chloroethoxy)methane	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dichlorophenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,2,4-Trichlorobenzene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Naphthalene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Chloroaniline	340	U	ug/kg	340	390	UJ	ug/kg		350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorobutadiene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Chloro-3-methylphenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2-Methylnaphthalene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorocyclopentadiene	340	U	ug/kg	340	390	U	ug/kg	390	350	UJ	ug/kg		360	U	ug/kg	360
2,4,6-Trichlorophenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Dimethylphthalate	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4,5-Trichlorophenol	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
2-Chloronaphthalene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2-Nitroaniline	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	UJ	ug/kg	
Acenaphthylene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,6-Dinitrotoluene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
3-Nitroaniline	1600	UJ	ug/kg		1900	UJ	ug/kg		1700	U	ug/kg	1700	1800	U	ug/kg	1800
Acenaphthene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dinitrophenol	1600	UJ	ug/kg		1900	UJ	ug/kg		1700	UJ	ug/kg		1800	U	ug/kg	1800
4-Nitrophenol	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	UJ	ug/kg		1800	U	ug/kg	1800
Dibenzofuran	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2,4-Dinitrotoluene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Diethylphthalate	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675002				M7675003				M7683001				M7683002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS03001				28SS03001D				28SS03101				28SS03201			
Collect Date:	05-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Fluorene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Nitroaniline	1600	UJ	ug/kg		1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
4,6-Dinitro-2-methylphenol	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
N-Nitrosodiphenylamine (1)	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,2-Diphenylhydrazine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	UJ	ug/kg	
4-Bromophenyl-phenylether	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorobenzene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Pentachlorophenol	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Phenanthrene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Anthracene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Di-n-Butylphthalate	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Fluoranthene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Pyrene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Butylbenzylphthalate	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
3,3'-Dichlorobenzidine	680	U	ug/kg	680	790	UJ	ug/kg		710	UJ	ug/kg		720	U	ug/kg	720
Benzo(a)anthracene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Chrysene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
bis(2-Ethylhexyl)phthalate	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Di-n-octylphthalate	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Benzo(b)fluoranthene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Benzo(k)fluoranthene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Benzo(a)pyrene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Indeno(1,2,3-cd)pyrene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Dibenz(a,h)anthracene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Benzo(g,h,i)perylene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
2-Picoline	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Methyl methanesulfonate	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Ethyl methanesulfonate	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Acetophenone	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
N-Nitrosopiperidine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Phenyl-tert-butylamine	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	UJ	ug/kg	
2,6-Dichlorophenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
N-Nitroso-di-n-butylamine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
N-Nitrosodiethylamine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
N-Nitrosopyrrolidine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Benzidine	1600	UJ	ug/kg		1900	UJ	ug/kg		1700	U	ug/kg	1700	1800	U	ug/kg	1800
1,2,4,5-Tetrachlorobenzene	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Pentachlorobenzene	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
1-Naphthylamine	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
2-Naphthylamine	1600	UJ	ug/kg		1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
2,3,4,6-Tetrachlorophenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Phenacetin	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Aminobiphenyl	1600	UJ	ug/kg		1900	UJ	ug/kg		1700	U	ug/kg	1700	1800	U	ug/kg	1800
Pentachloronitrobenzene	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Pronamide	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
p-(Dimethylamino)azobenzene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
7,12-Dimethylbenz(A)Anthracene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
3-Methylcholanthrene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Pyridine	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
N-Nitrosomethylethylamine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
N-Nitrosomorpholine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675002				M7675003				M7683001				M7683002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS03001				28SS03001D				28SS03101				28SS03201			
Collect Date:	05-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
Hexachloropropene	1600	R	ug/kg		1900	R	ug/kg		1700	U	ug/kg	1700	1800	U	ug/kg	1800
p-Phenylenediamine	16000	U	ug/kg	16000	19000	U	ug/kg	19000	17000	UJ	ug/kg		18000	UJ	ug/kg	
Safrole	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Isosafrole	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	U	ug/kg	1700	1800	U	ug/kg	1800
1,4-Naphthoquinone	34000	U	ug/kg	34000	39000	U	ug/kg	39000	35000	U	ug/kg	35000	36000	U	ug/kg	36000
1,3-Dinitrobenzene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	UJ	ug/kg	
5-Nitro-o-toluidine	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
1,3,5-Trinitrobenzene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Nitroquinoline-1-oxide	16000	UJ	ug/kg		19000	UJ	ug/kg		17000	R	ug/kg		18000	U	ug/kg	18000
Methapyrilene	1600	U	ug/kg	1600	1900	U	ug/kg	1900	1700	UJ	ug/kg		1800	U	ug/kg	1800
3,3'-Dimethylbenzidine	340	UJ	ug/kg		390	UJ	ug/kg		350	U	ug/kg	350	360	U	ug/kg	360
Hexachlorophene	16000	UJ	ug/kg		19000	UJ	ug/kg		17000	R	ug/kg		18000	U	ug/kg	18000
Aramite	1600	UJ	ug/kg		1900	U	ug/kg	1900	1700	UJ	ug/kg		1800	U	ug/kg	1800
2-Chlorophenol	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
3- & 4-Methylphenol (2)	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1600	R	ug/kg		1900	R	ug/kg		1700	U	ug/kg	1700	1800	U	ug/kg	1800
2-Acetylaminofluorene	340	U	ug/kg	340	390	U	ug/kg	390	350	U	ug/kg	350	360	U	ug/kg	360

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7683005				M7698012				M7698011			
Site		RFADATA				RFADATA				RFADATA			
Locator		28SS03301				28SS03401				28SS03501			
Collect Date:		06-AUG-94				10-AUG-94				10-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg												
N-Nitrosodimethylamine		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Phenol		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Aniline		350	UJ	ug/kg		3600	U	ug/kg	3600	370	U	ug/kg	370
bis (2-Chloroethyl) ether		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
1,3-Dichlorobenzene		350	U	ug/kg	350	5	U	ug/kg	5	370	U	ug/kg	370
1,4-Dichlorobenzene		5	U	ug/kg	5	3600	U	ug/kg	3600	370	U	ug/kg	370
Benzyl Alcohol		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
1,2-Dichlorobenzene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2-Methylphenol		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
bis(2-Chloroisopropyl)ether		350	UJ	ug/kg		3600	UJ	ug/kg		370	UJ	ug/kg	
N-Nitroso-di-n-propylamine		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Hexachloroethane		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Nitrobenzene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Isophorone		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2-Nitrophenol		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2,4-Dimethylphenol		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Benzoic acid		1700	UJ	ug/kg		18000	U	ug/kg	18000	1800	U	ug/kg	1800
bis(2-Chloroethoxy)methane		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2,4-Dichlorophenol		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
1,2,4-Trichlorobenzene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Naphthalene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
4-Chloroaniline		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Hexachlorobutadiene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
4-Chloro-3-methylphenol		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2-Methylnaphthalene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Hexachlorocyclopentadiene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2,4,6-Trichlorophenol		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Dimethylphthalate		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2,4,5-Trichlorophenol		1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
2-Chloronaphthalene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2-Nitroaniline		1700	U	ug/kg	1700	18000	UJ	ug/kg		1800	UJ	ug/kg	
Acenaphthylene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2,6-Dinitrotoluene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
3-Nitroaniline		1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
Acenaphthene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2,4-Dinitrophenol		1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
4-Nitrophenol		1700	U	ug/kg	1700	18000	UJ	ug/kg		1800	UJ	ug/kg	
Dibenzofuran		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2,4-Dinitrotoluene		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Diethylphthalate		350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7683005				M7698012				M7698011			
Site	RFADATA				RFADATA				RFADATA			
Locator	28SS03301				28SS03401				28SS03501			
Collect Date:	06-AUG-94				10-AUG-94				10-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Fluorene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
4-Nitroaniline	1700	U	ug/kg	1700	18000	UJ	ug/kg		1800	UJ	ug/kg	
4,6-Dinitro-2-methylphenol	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
N-Nitrosodiphenylamine (1)	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
1,2-Diphenylhydrazine	350	UJ	ug/kg		3600	UJ	ug/kg		370	UJ	ug/kg	
4-Bromophenyl-phenylether	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Hexachlorobenzene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Pentachlorophenol	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
Phenanthrene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Anthracene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Di-n-Butylphthalate	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Fluoranthene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Pyrene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Butylbenzylphthalate	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
3,3'-Dichlorobenzidine	700	U	ug/kg	700	7200	U	ug/kg	7200	750	U	ug/kg	750
Benzo(a)anthracene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Chrysene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
bis(2-Ethylhexyl)phthalate	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Di-n-octylphthalate	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Benzo(b)fluoranthene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Benzo(k)fluoranthene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Benzo(a)pyrene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Indeno(1,2,3-cd)pyrene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Dibenz(a,h)anthracene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Benzo(g,h,i)perylene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
2-Picoline	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
Methyl methanesulfonate	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Ethyl methanesulfonate	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Acetophenone	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
N-Nitrosopiperidine	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Phenyl-tert-butylamine	1700	UJ	ug/kg		18000	UJ	ug/kg		1800	UJ	ug/kg	
2,6-Dichlorophenol	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
N-Nitroso-di-n-butylamine	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
N-Nitrosodiethylamine	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
N-Nitrosopyrrolidine	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Benzidine	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
1,2,4,5-Tetrachlorobenzene	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
Pentachlorobenzene	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
1-Naphthylamine	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
2-Naphthylamine	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
2,3,4,6-Tetrachlorophenol	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Phenacetin	350	U	ug/kg	350	3600	UJ	ug/kg		370	UJ	ug/kg	
4-Aminobiphenyl	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
Pentachloronitrobenzene	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
Pronamide	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
p-(Dimethylamino)azobenzene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
7,12-Dimethylbenz(A)Anthracene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
3-Methylcholanthrene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Pyridine	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
N-Nitrosomethylethylamine	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
N-Nitrosomorpholine	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7683005				M7698012				M7698011			
Site	RFADATA				RFADATA				RFADATA			
Locator	28SS03301				28SS03401				28SS03501			
Collect Date:	06-AUG-94				10-AUG-94				10-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Hexachloropropene	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
p-Phenylenediamine	17000	U	ug/kg	17000	180000	UJ	ug/kg		18000	UJ	ug/kg	
Safrole	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
Isosafrole	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
1,4-Naphthoquinone	35000	U	ug/kg	35000	350000	U	ug/kg	350000	37000	U	ug/kg	37000
1,3-Dinitrobenzene	350	U	ug/kg	350	3600	UJ	ug/kg		370	UJ	ug/kg	
5-Nitro-o-toluidine	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
1,3,5-Trinitrobenzene	350	U	ug/kg	350	3600	UJ	ug/kg		370	UJ	ug/kg	
4-Nitroquinoline-1-oxide	17000	U	ug/kg	17000	180000	U	ug/kg	180000	18000	U	ug/kg	18000
Methapyrilene	1700	UJ	ug/kg		18000	UJ	ug/kg		1800	UJ	ug/kg	
3,3'-Dimethylbenzidine	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
Hexachlorophene	17000	R	ug/kg		180000	U	ug/kg	180000	18000	U	ug/kg	18000
Aramite	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
2-Chlorophenol	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
3- & 4-Methylphenol (2)	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1700	U	ug/kg	1700	18000	U	ug/kg	18000	1800	U	ug/kg	1800
2-Acetylaminofluorene	350	U	ug/kg	350	3600	U	ug/kg	3600	370	U	ug/kg	370

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684001				M7684002				M7684003				M7675014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00101				28SS00201				28SS00201D				28SS00301			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
beta-BHC	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
delta-BHC	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
gamma-BHC (Lindane)	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
Heptachlor	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
Aldrin	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
Heptachlor epoxide	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
Endosulfan I	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
Dieldrin	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
4,4-DDE	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
Endrin	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan II	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDD	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDT	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Methoxychlor	3.1	U	ug/kg	3.1	3	U	ug/kg	3	3	U	ug/kg	3	2.9	U	ug/kg	2.9
Endrin aldehyde	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endrin ketone	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Chlordane	7.6	U	ug/kg	7.6	7.4	U	ug/kg	7.4	7.4	U	ug/kg	7.4	7.3	U	ug/kg	7.3
Chlorobenzilate	23	U	ug/kg	23	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
Diallate	45	U	ug/kg	45	44	U	ug/kg	44	44	U	ug/kg	44	43	U	ug/kg	43
Toxaphene	38	U	ug/kg	38	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36
Isodrin	.76	U	ug/kg	.76	.74	U	ug/kg	.74	.74	U	ug/kg	.74	.73	U	ug/kg	.73
Kepone	45	U	ug/kg	45	44	U	ug/kg	44	44	U	ug/kg	44	43	UJ	ug/kg	
Aroclor-1016	38	U	ug/kg	38	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1221	76	U	ug/kg	76	74	U	ug/kg	74	74	U	ug/kg	74	73	U	ug/kg	73
Aroclor-1232	76	U	ug/kg	76	74	U	ug/kg	74	74	U	ug/kg	74	73	U	ug/kg	73
Aroclor-1242	38	U	ug/kg	38	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1248	38	U	ug/kg	38	36	U	ug/kg	36	36	U	ug/kg	36	36	U	ug/kg	36
Aroclor-1254	19	U	ug/kg	19	19	U	ug/kg	19	19	U	ug/kg	19	18	U	ug/kg	18
Aroclor-1260	19	U	ug/kg	19	19	U	ug/kg	19	19	U	ug/kg	19	18	U	ug/kg	18

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675015				M7675016				M7675017				M7675018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00401				28SS00501				28SS00601				28SS00701			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
beta-BHC	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
delta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
gamma-BHC (Lindane)	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Heptachlor	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Aldrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Heptachlor epoxide	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Endosulfan I	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Dieldrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
4,4-DDE	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Endrin	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan II	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDD	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan sulfate	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDT	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Methoxychlor	5.6	U	ug/kg	5.6	5.8	U	ug/kg	5.8	2.9	U	ug/kg	2.9	2.9	U	ug/kg	2.9
Endrin aldehyde	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endrin ketone	2.8	U	ug/kg	2.8	2.8	U	ug/kg	2.8	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Chlordane	14	U	ug/kg	14	14	U	ug/kg	14	6.5	U	ug/kg	6.5	7.2	U	ug/kg	7.2
Chlorobenzilate	42	U	ug/kg	42	42	U	ug/kg	42	22	U	ug/kg	22	21	U	ug/kg	21
Diallate	84	U	ug/kg	84	86	U	ug/kg	86	43	U	ug/kg	43	42	U	ug/kg	42
Toxaphene	68	U	ug/kg	68	70	U	ug/kg	70	35	U	ug/kg	35	36	U	ug/kg	36
Isodrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Kepone	84	UJ	ug/kg		84	U	ug/kg	84	43	U	ug/kg	43	42	U	ug/kg	42
Aroclor-1016	68	U	ug/kg	68	70	U	ug/kg	70	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1221	140	U	ug/kg	140	140	U	ug/kg	140	65	U	ug/kg	65	72	U	ug/kg	72
Aroclor-1232	140	U	ug/kg	140	140	U	ug/kg	140	65	U	ug/kg	65	72	U	ug/kg	72
Aroclor-1242	68	U	ug/kg	68	70	U	ug/kg	70	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1248	68	U	ug/kg	68	70	U	ug/kg	70	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1254	36	U	ug/kg	36	36	U	ug/kg	36	18	U	ug/kg	18	18	U	ug/kg	18
Aroclor-1260	36	U	ug/kg	36	36	U	ug/kg	36	18	U	ug/kg	18	18	U	ug/kg	18

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7698013			M7675019			M7684010			M7684009		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		28SS00801			28SS00901			28SS01001			28SS01101		
Collect Date:		10-AUG-94			05-AUG-94			06-AUG-94			06-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080)	ug/kg												
alpha-BHC		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
beta-BHC		1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	3.5 U	ug/kg	3.5
delta-BHC		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
gamma-BHC (Lindane)		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
Heptachlor		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
Aldrin		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
Heptachlor epoxide		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
Endosulfan I		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
Dieldrin		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
4,4-DDE		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
Endrin		1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	3.5 U	ug/kg	3.5
Endosulfan II		1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	3.5 U	ug/kg	3.5
4,4-DDD		1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	3.5 U	ug/kg	3.5
Endosulfan sulfate		1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	3.5 U	ug/kg	3.5
4,4-DDT		1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	3.5 U	ug/kg	3.5
Methoxychlor		2.9 U	ug/kg	2.9	2.9 U	ug/kg	2.9	3 U	ug/kg	3	7.3 U	ug/kg	7.3
Endrin aldehyde		1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	3.5 U	ug/kg	3.5
Endrin ketone		1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4	3.5 U	ug/kg	3.5
Chlordane		7.1 U	ug/kg	7.1	7.2 U	ug/kg	7.2	7.4 U	ug/kg	7.4	18 U	ug/kg	18
Chlorobenzilate		21 U	ug/kg	21	21 U	ug/kg	21	22 U	ug/kg	22	54 U	ug/kg	54
Diallate		43 U	ug/kg	43	42 U	ug/kg	42	44 U	ug/kg	44	110 U	ug/kg	110
Toxaphene		35 U	ug/kg	35	36 U	ug/kg	36	36 U	ug/kg	36	90 U	ug/kg	90
Isodrin		.71 U	ug/kg	.71	.72 U	ug/kg	.72	.74 U	ug/kg	.74	1.8 U	ug/kg	1.8
Kepone		42 UJ	ug/kg		42 U	ug/kg	42	43 U	ug/kg	43	110 U	ug/kg	110
Aroclor-1016		35 U	ug/kg	35	36 U	ug/kg	36	36 U	ug/kg	36	90 U	ug/kg	90
Aroclor-1221		71 U	ug/kg	71	72 U	ug/kg	72	74 U	ug/kg	74	180 U	ug/kg	180
Aroclor-1232		71 U	ug/kg	71	72 U	ug/kg	72	74 U	ug/kg	74	180 U	ug/kg	180
Aroclor-1242		35 U	ug/kg	35	36 U	ug/kg	36	36 U	ug/kg	36	90 U	ug/kg	90
Aroclor-1248		35 U	ug/kg	35	36 U	ug/kg	36	36 U	ug/kg	36	90 U	ug/kg	90
Aroclor-1254		18 U	ug/kg	18	18 U	ug/kg	18	18 U	ug/kg	18	46 U	ug/kg	46
Aroclor-1260		18 U	ug/kg	18	18 U	ug/kg	18	18 U	ug/kg	18	46 U	ug/kg	46

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684011				M7684012				M7684013				M7684014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01201				28SS01301				28SS01401				28SS01401D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
beta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
delta-BHC	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
gamma-BHC (Lindane)	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
Heptachlor	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
Aldrin	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
Heptachlor epoxide	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
Endosulfan I	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
Dieldrin	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
4,4-DDE	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
Endrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan II	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDD	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDT	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Methoxychlor	3	U	ug/kg	3	2.9	U	ug/kg	2.9	2.9	U	ug/kg	2.9	2.9	U	ug/kg	2.9
Endrin aldehyde	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endrin ketone	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Chlordane	7.4	U	ug/kg	7.4	7.1	U	ug/kg	7.1	7.2	U	ug/kg	7.2	7.1	U	ug/kg	7.1
Chlorobenzilate	22	U	ug/kg	22	21	U	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21
Diallate	44	U	ug/kg	44	43	U	ug/kg	43	43	U	ug/kg	43	43	U	ug/kg	43
Toxaphene	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35
Isodrin	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.71	U	ug/kg	.71
Kepone	43	U	ug/kg	43	42	U	ug/kg	42	43	U	ug/kg	43	42	U	ug/kg	42
Aroclor-1016	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1221	74	U	ug/kg	74	71	U	ug/kg	71	72	U	ug/kg	72	71	U	ug/kg	71
Aroclor-1232	74	U	ug/kg	74	71	U	ug/kg	71	72	U	ug/kg	72	71	U	ug/kg	71
Aroclor-1242	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1248	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1254	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18
Aroclor-1260	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684015				M7684016				M7684017				M7684018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01501				28SS01601				28SS01701				28SS01801			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
beta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
delta-BHC	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
gamma-BHC (Lindane)	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
Heptachlor	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
Aldrin	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
Heptachlor epoxide	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
Endosulfan I	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
Dieldrin	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
4,4-DDE	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
Endrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Endosulfan II	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
4,4-DDD	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
4,4-DDT	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Methoxychlor	2.9	U	ug/kg	2.9	2.9	U	ug/kg	2.9	3	U	ug/kg	3	2.9	U	ug/kg	2.9
Endrin aldehyde	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Endrin ketone	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Chlordane	7.1	U	ug/kg	7.1	7.2	U	ug/kg	7.2	7.5	U	ug/kg	7.5	7.3	U	ug/kg	7.3
Chlorobenzilate	21	U	ug/kg	21	22	U	ug/kg	22	22	U	ug/kg	22	22	U	ug/kg	22
Diallate	43	U	ug/kg	43	43	U	ug/kg	43	45	U	ug/kg	45	43	U	ug/kg	43
Toxaphene	35	U	ug/kg	35	35	U	ug/kg	35	37	U	ug/kg	37	36	U	ug/kg	36
Isodrin	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75	.73	U	ug/kg	.73
Kepone	42	U	ug/kg	42	43	U	ug/kg	43	44	U	ug/kg	44	43	U	ug/kg	43
Aroclor-1016	35	U	ug/kg	35	35	U	ug/kg	35	37	U	ug/kg	37	36	U	ug/kg	36
Aroclor-1221	71	U	ug/kg	71	72	U	ug/kg	72	75	U	ug/kg	75	73	U	ug/kg	73
Aroclor-1232	71	U	ug/kg	71	71	U	ug/kg	71	75	U	ug/kg	75	73	U	ug/kg	73
Aroclor-1242	35	U	ug/kg	35	35	U	ug/kg	35	37	U	ug/kg	37	36	U	ug/kg	36
Aroclor-1248	35	U	ug/kg	35	35	U	ug/kg	35	37	U	ug/kg	37	36	U	ug/kg	36
Aroclor-1254	18	U	ug/kg	18	18	U	ug/kg	18	19	U	ug/kg	19	18	U	ug/kg	18
Aroclor-1260	18	U	ug/kg	18	18	U	ug/kg	18	19	U	ug/kg	19	18	U	ug/kg	18

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684004				M7684005				M7675012				M7675013			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01901				28SS02001				28SS02101				28SS02101D			
Collect Date:	06-AUG-94				06-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
beta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
delta-BHC	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
gamma-BHC (Lindane)	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
Heptachlor	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
Aldrin	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
Heptachlor epoxide	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
Endosulfan I	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
Dieldrin	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
4,4-DDE	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
Endrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan II	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDD	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDT	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Methoxychlor	3	U	ug/kg	3	2.9	U	ug/kg	2.9	2.9	U	ug/kg	2.9	2.9	U	ug/kg	2.9
Endrin aldehyde	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endrin ketone	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Chlordane	7.4	U	ug/kg	7.4	7.1	U	ug/kg	7.1	6.5	U	ug/kg	6.5	7.3	U	ug/kg	7.3
Chlorobenzilate	22	U	ug/kg	22	21	U	ug/kg	21	22	U	ug/kg	22	22	U	ug/kg	22
Diallate	44	U	ug/kg	44	43	U	ug/kg	43	43	U	ug/kg	43	43	U	ug/kg	43
Toxaphene	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35	36	U	ug/kg	36
Isodrin	.74	U	ug/kg	.74	.71	U	ug/kg	.71	.65	U	ug/kg	.65	.73	U	ug/kg	.73
Kepone	43	U	ug/kg	43	42	U	ug/kg	42	43	UJ	ug/kg		43	UJ	ug/kg	
Aroclor-1016	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1221	74	U	ug/kg	74	71	U	ug/kg	71	65	U	ug/kg	65	73	U	ug/kg	73
Aroclor-1232	74	U	ug/kg	74	71	U	ug/kg	71	65	U	ug/kg	65	73	U	ug/kg	73
Aroclor-1242	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1248	36	U	ug/kg	36	35	U	ug/kg	35	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1254	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18
Aroclor-1260	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675011				M7675010				M7675009				M7675008			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS02201				28SS02301				28SS02401				28SS02501			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
beta-BHC	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
delta-BHC	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
gamma-BHC (Lindane)	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Heptachlor	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Aldrin	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Heptachlor epoxide	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Endosulfan I	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Dieldrin	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
4,4-DDE	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Endrin	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan II	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDD	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDT	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Methoxychlor	2.9	U	ug/kg	2.9	2.8	U	ug/kg	2.8	2.9	U	ug/kg	2.9	2.9	U	ug/kg	2.9
Endrin aldehyde	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endrin ketone	1.4	U	ug/kg	1.4	1.3	U	ug/kg	1.3	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Chlordane	7.1	U	ug/kg	7.1	6.9	U	ug/kg	6.9	6.5	U	ug/kg	6.5	7.2	U	ug/kg	7.2
Chlorobenzilate	21	U	ug/kg	21	21	U	ug/kg	21	22	U	ug/kg	22	21	U	ug/kg	21
Diallate	43	U	ug/kg	43	42	U	ug/kg	42	43	U	ug/kg	43	42	U	ug/kg	42
Toxaphene	35	U	ug/kg	35	34	U	ug/kg	34	35	U	ug/kg	35	36	U	ug/kg	36
Isodrin	.71	U	ug/kg	.71	.69	U	ug/kg	.69	.65	U	ug/kg	.65	.72	U	ug/kg	.72
Kepone	42	UJ	ug/kg		41	UJ	ug/kg		43	UJ	ug/kg		42	UJ	ug/kg	
Aroclor-1016	35	U	ug/kg	35	34	U	ug/kg	34	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1221	71	U	ug/kg	71	69	U	ug/kg	69	65	U	ug/kg	65	72	U	ug/kg	72
Aroclor-1232	71	U	ug/kg	71	69	U	ug/kg	69	65	U	ug/kg	65	72	U	ug/kg	72
Aroclor-1242	35	U	ug/kg	35	34	U	ug/kg	34	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1248	35	U	ug/kg	35	34	U	ug/kg	34	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1254	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18
Aroclor-1260	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675007				M7675006				M7675005				M7675004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS02601				28SS02701				28SS02801				28SS02901			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
beta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
delta-BHC	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
gamma-BHC (Lindane)	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
Heptachlor	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
Aldrin	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
Heptachlor epoxide	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
Endosulfan I	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
Dieldrin	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
4,4-DDE	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
Endrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan II	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDD	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDT	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Methoxychlor	2.9	U	ug/kg	2.9	2.8	U	ug/kg	2.8	2.9	U	ug/kg	2.9	2.9	U	ug/kg	2.9
Endrin aldehyde	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endrin ketone	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Chlordane	7.1	U	ug/kg	7.1	7	U	ug/kg	7	7.1	U	ug/kg	7.1	7.2	U	ug/kg	7.2
Chlorobenzilate	21	U	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21
Diallate	43	U	ug/kg	43	42	U	ug/kg	42	43	U	ug/kg	43	42	U	ug/kg	42
Toxaphene	35	U	ug/kg	35	34	U	ug/kg	34	35	U	ug/kg	35	36	U	ug/kg	36
Isodrin	.71	U	ug/kg	.71	.7	U	ug/kg	.7	.71	U	ug/kg	.71	.72	U	ug/kg	.72
Kepone	42	UJ	ug/kg		42	UJ	ug/kg		42	UJ	ug/kg		42	UJ	ug/kg	
Aroclor-1016	35	U	ug/kg	35	34	U	ug/kg	34	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1221	71	U	ug/kg	71	70	U	ug/kg	70	71	U	ug/kg	71	72	U	ug/kg	72
Aroclor-1232	71	U	ug/kg	71	70	U	ug/kg	70	71	U	ug/kg	71	72	U	ug/kg	72
Aroclor-1242	35	U	ug/kg	35	34	U	ug/kg	34	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1248	35	U	ug/kg	35	34	U	ug/kg	34	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1254	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18
Aroclor-1260	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675002			M7675003			M7683001			M7683002		
Site	RFADATA			RFADATA			RFADATA			RFADATA		
Locator	28SS03001			28SS03001D			28SS03101			28SS03201		
Collect Date:	05-AUG-94			05-AUG-94			06-AUG-94			06-AUG-94		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg												
alpha-BHC	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
beta-BHC	1.3 U	ug/kg	1.3	1.5 U	ug/kg	1.5	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4
delta-BHC	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
gamma-BHC (Lindane)	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
Heptachlor	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
Aldrin	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
Heptachlor epoxide	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
Endosulfan I	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
Dieldrin	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
4,4-DDE	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
Endrin	1.3 U	ug/kg	1.3	1.5 U	ug/kg	1.5	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4
Endosulfan II	1.3 U	ug/kg	1.3	1.5 U	ug/kg	1.5	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4
4,4-DDD	1.3 U	ug/kg	1.3	1.5 U	ug/kg	1.5	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4
Endosulfan sulfate	1.3 U	ug/kg	1.3	1.5 U	ug/kg	1.5	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4
4,4-DDT	1.3 U	ug/kg	1.3	1.5 U	ug/kg	1.5	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4
Methoxychlor	2.8 U	ug/kg	2.8	3.2 U	ug/kg	3.2	2.9 U	ug/kg	2.9	2.9 U	ug/kg	2.9
Endrin aldehyde	1.3 U	ug/kg	1.3	1.5 U	ug/kg	1.5	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4
Endrin ketone	1.3 U	ug/kg	1.3	1.5 U	ug/kg	1.5	1.4 U	ug/kg	1.4	1.4 U	ug/kg	1.4
Chlordane	6.9 U	ug/kg	6.9	8 U	ug/kg	8	7.2 U	ug/kg	7.2	7.3 U	ug/kg	7.3
Chlorobenzilate	21 U	ug/kg	21	24 U	ug/kg	24	22 U	ug/kg	22	22 U	ug/kg	22
Dialiate	42 U	ug/kg	42	48 U	ug/kg	48	43 U	ug/kg	43	44 U	ug/kg	44
Toxaphene	34 U	ug/kg	34	39 U	ug/kg	39	35 U	ug/kg	35	36 U	ug/kg	36
Isodrin	.69 U	ug/kg	.69	.8 U	ug/kg	.8	.72 U	ug/kg	.72	.73 U	ug/kg	.73
Kepone	41 UJ	ug/kg		48 UJ	ug/kg		43 UJ	ug/kg		43 UJ	ug/kg	
Aroclor-1016	34 U	ug/kg	34	39 U	ug/kg	39	35 U	ug/kg	35	36 U	ug/kg	36
Aroclor-1221	69 U	ug/kg	69	80 U	ug/kg	80	72 U	ug/kg	72	73 U	ug/kg	73
Aroclor-1232	69 U	ug/kg	69	80 U	ug/kg	80	72 U	ug/kg	72	73 U	ug/kg	73
Aroclor-1242	34 U	ug/kg	34	39 U	ug/kg	39	35 U	ug/kg	35	36 U	ug/kg	36
Aroclor-1248	34 U	ug/kg	34	39 U	ug/kg	39	35 U	ug/kg	35	36 U	ug/kg	36
Aroclor-1254	18 U	ug/kg	18	20 U	ug/kg	20	18 U	ug/kg	18	18 U	ug/kg	18
Aroclor-1260	18 U	ug/kg	18	20 U	ug/kg	20	18 U	ug/kg	18	18 U	ug/kg	18

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7683005				M7698012				M7698011			
Site	RFADATA				RFADATA				RFADATA			
Locator	28SS03301				28SS03401				28SS03501			
Collect Date:	06-AUG-94				10-AUG-94				10-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg												
alpha-BHC	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
beta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5
delta-BHC	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
gamma-BHC (Lindane)	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
Heptachlor	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
Aldrin	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
Heptachlor epoxide	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
Endosulfan I	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
Dieldrin	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
4,4-DDE	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
Endrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5
Endosulfan II	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5
4,4-DDD	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5
4,4-DDT	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5
Methoxychlor	2.8	U	ug/kg	2.8	2.9	U	ug/kg	2.9	3	U	ug/kg	3
Endrin aldehyde	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5
Endrin ketone	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.5	U	ug/kg	1.5
Chlordane	7.1	U	ug/kg	7.1	7.2	U	ug/kg	7.2	7.5	U	ug/kg	7.5
Chlorobenzilate	21	U	ug/kg	21	22	U	ug/kg	22	22	U	ug/kg	22
Diallate	42	U	ug/kg	42	43	U	ug/kg	43	45	U	ug/kg	45
Toxaphene	35	U	ug/kg	35	35	U	ug/kg	35	37	U	ug/kg	37
Isodrin	.71	U	ug/kg	.71	.72	U	ug/kg	.72	.75	U	ug/kg	.75
Kepone	42	UJ	ug/kg		43	UJ	ug/kg		45	UJ	ug/kg	
Aroclor-1016	35	U	ug/kg	35	35	U	ug/kg	35	37	U	ug/kg	37
Aroclor-1221	71	U	ug/kg	71	72	U	ug/kg	72	75	U	ug/kg	75
Aroclor-1232	71	U	ug/kg	71	72	U	ug/kg	72	75	U	ug/kg	75
Aroclor-1242	35	U	ug/kg	35	35	U	ug/kg	35	37	U	ug/kg	37
Aroclor-1248	35	U	ug/kg	35	35	U	ug/kg	35	37	U	ug/kg	37
Aroclor-1254	18	U	ug/kg	18	18	U	ug/kg	18	19	U	ug/kg	19
Aroclor-1260	18	U	ug/kg	18	18	U	ug/kg	18	19	U	ug/kg	19

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684001				M7684002				M7684003				M7675014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00101				28SS00201				28SS00201D				28SS00301			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS			mg/kg													
Antimony	.5	UJ	mg/kg		.49	UJ	mg/kg		.49	UJ	mg/kg		.47	U	mg/kg	.47
Arsenic	.74	J	mg/kg		.85	J	mg/kg		1.6	J	mg/kg		1.2	J	mg/kg	
Barium	5	J	mg/kg		4.1	J	mg/kg		6.2	J	mg/kg		7.1	J	mg/kg	
Beryllium	.04	U	mg/kg	.04	.06	J	mg/kg		.28	J	mg/kg		.08	J	mg/kg	
Cadmium	.68	U	mg/kg	.68	.67	U	mg/kg	.67	.66	U	mg/kg	.66	.64	U	mg/kg	.64
Chromium	2	J	mg/kg		2	J	mg/kg		2.4		mg/kg		3.6		mg/kg	
Cobalt	.6	U	mg/kg	.6	.59	U	mg/kg	.59	.59	U	mg/kg	.59	.57	U	mg/kg	.57
Copper	.9	U	mg/kg	.9	.88	U	mg/kg	.88	.88	U	mg/kg	.88	1.2	J	mg/kg	
Cyanide	.04	U	mg/kg	.04	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Lead	1.5		mg/kg		2		mg/kg		2.8		mg/kg		.43	UJ	mg/kg	
Mercury	.08	U	mg/kg	.08	.12		mg/kg		.07	U	mg/kg	.07	.08	U	mg/kg	.08
Nickel	1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6	1.5	U	mg/kg	1.5
Selenium	.3	UJ	mg/kg		.29	UJ	mg/kg		.29	UJ	mg/kg		.28	U	mg/kg	.28
Silver	.52	U	mg/kg	.52	.52	U	mg/kg	.52	.52	U	mg/kg	.52	.54	J	mg/kg	
Thallium	.29	U	mg/kg	.29	.29	U	mg/kg	.29	.28	U	mg/kg	.28	.28	U	mg/kg	.28
Tin	2.5	J	mg/kg		2.4	J	mg/kg		2.1	J	mg/kg		3.4	J	mg/kg	
Vanadium	1.7	J	mg/kg		1.8	J	mg/kg		1.9	J	mg/kg		3.9	J	mg/kg	
Zinc	2.5	J	mg/kg		1.4	J	mg/kg		2.2	J	mg/kg		.66	U	mg/kg	.66

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675015				M7675016				M7675017				M7675018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS00401				28SS00501				28SS00601				28SS00701			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	.46	U	mg/kg	.46	.48	U	mg/kg	.48	.48	U	mg/kg	.48	.47	U	mg/kg	.47
Arsenic	.61	J	mg/kg		1.6	J	mg/kg		.79	J	mg/kg		1.5	J	mg/kg	
Barium	4	J	mg/kg		7.4	J	mg/kg		4.3	J	mg/kg		17.4	J	mg/kg	
Beryllium	.09	J	mg/kg		.13	J	mg/kg		.05	J	mg/kg		.14	J	mg/kg	
Cadmium	.63	U	mg/kg	.63	.65	U	mg/kg	.65	.64	U	mg/kg	.64	.64	U	mg/kg	.64
Chromium	2	J	mg/kg		3.5		mg/kg		1.8	J	mg/kg		3.6		mg/kg	
Cobalt	.56	U	mg/kg	.56	.57	U	mg/kg	.57	.57	U	mg/kg	.57	.59	J	mg/kg	
Copper	.83	U	mg/kg	.83	1.5	J	mg/kg		.85	U	mg/kg	.85	4.5	J	mg/kg	
Cyanide	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Lead	.43	UJ	mg/kg		.44	UJ	mg/kg		.44	UJ	mg/kg		.43	UJ	mg/kg	
Mercury	.08	U	mg/kg	.08	.07	U	mg/kg	.07	.08	U	mg/kg	.08	.07	U	mg/kg	.07
Nickel	1.5	U	mg/kg	1.5	1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6	1.5	U	mg/kg	1.5
Selenium	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28
Silver	.43	U	mg/kg	.43	.44	U	mg/kg	.44	.44	U	mg/kg	.44	.56	J	mg/kg	
Thallium	.27	U	mg/kg	.27	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.27	U	mg/kg	.27
Tin	3.8	J	mg/kg		2.3	J	mg/kg		2.4	J	mg/kg		2.8	J	mg/kg	
Vanadium	2	J	mg/kg		4.1	J	mg/kg		1.7	J	mg/kg		3.2	J	mg/kg	
Zinc	.56	U	mg/kg	.56	1.7	U	mg/kg	1.7	1.3	U	mg/kg	1.3	1.5	U	mg/kg	1.5

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7698013				M7675019				M7684010				M7684009			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS00801				28SS00901				28SS01001				28SS01101			
Collect Date:		10-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS	mg/kg																
Antimony		.48	UJ	mg/kg		.47	UJ	mg/kg		.48	UJ	mg/kg		.49	UJ	mg/kg	
Arsenic		1.1	J	mg/kg		.59	J	mg/kg		.71	J	mg/kg		1.1	J	mg/kg	
Barium		4.1	J	mg/kg		2.7	J	mg/kg		3.2	J	mg/kg		6.2	J	mg/kg	
Beryllium		.05	J	mg/kg		.09	J	mg/kg		.04	U	mg/kg	.04	.08	J	mg/kg	
Cadmium		.65	U	mg/kg	.65	.64	U	mg/kg	.64	.65	U	mg/kg	.65	.67	U	mg/kg	.67
Chromium		1.4	J	mg/kg		1.9	J	mg/kg		1.2	J	mg/kg		2.3		mg/kg	
Cobalt		.57	U	mg/kg	.57	.73	J	mg/kg		.57	U	mg/kg	.57	.59	U	mg/kg	.59
Copper		3.3	U	mg/kg	3.3	1	J	mg/kg		.86	U	mg/kg	.86	.99	J	mg/kg	
Cyanide		.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.04	U	mg/kg	.04
Lead		1.3		mg/kg		.45	J	mg/kg		.92	U	mg/kg	.92	1.3	U	mg/kg	1.3
Mercury		.08	U	mg/kg	.08	.07	U	mg/kg	.07	.08	U	mg/kg	.08	.09	U	mg/kg	.09
Nickel		1.6	U	mg/kg	1.6	1.5	U	mg/kg	1.5	1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6
Selenium		.47	J	mg/kg		.28	U	mg/kg	.28	.28	UJ	mg/kg		.29	UJ	mg/kg	
Silver		.44	U	mg/kg	.44	.44	U	mg/kg	.44	.52	U	mg/kg	.52	.52	U	mg/kg	.52
Thallium		.28	U	mg/kg	.28	.27	U	mg/kg	.27	.28	U	mg/kg	.28	.29	U	mg/kg	.29
Tin		2	U	mg/kg	2	3.7	J	mg/kg		2	U	mg/kg	2	3.2	J	mg/kg	
Vanadium		1.5	J	mg/kg		1.6	J	mg/kg		1.1	J	mg/kg		2.3	J	mg/kg	
Zinc		1.6	U	mg/kg	1.6	1.4	U	mg/kg	1.4	1.1	J	mg/kg		8.6		mg/kg	

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684011				M7684012				M7684013				M7684014			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01201				28SS01301				28SS01401				28SS01401D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	.48	UJ	mg/kg		.47	UJ	mg/kg		.47	UJ	mg/kg		.47	UJ	mg/kg	
Arsenic	.66	J	mg/kg		.74	J	mg/kg		.59	J	mg/kg		.71	J	mg/kg	
Barium	3.7	J	mg/kg		2.2	J	mg/kg		2.2	J	mg/kg		2.5	J	mg/kg	
Beryllium	.07	J	mg/kg		.06	J	mg/kg		.04	J	mg/kg		.06	J	mg/kg	
Cadmium	.64	U	mg/kg	.64	.64	U	mg/kg	.64	.64	U	mg/kg	.64	.64	U	mg/kg	.64
Chromium	2	J	mg/kg		1.6	J	mg/kg		1.6	J	mg/kg		1.2	J	mg/kg	
Cobalt	.57	U	mg/kg	.57	.57	U	mg/kg	.57	.57	U	mg/kg	.57	.57	U	mg/kg	.57
Copper	.85	U	mg/kg	.85	1.3	J	mg/kg		.85	U	mg/kg	.85	.85	U	mg/kg	.85
Cyanide	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Lead	1.2	U	mg/kg	1.2	2		mg/kg		1.1	U	mg/kg	1.1	1.2	U	mg/kg	1.2
Mercury	.07	U	mg/kg	.07	.08	U	mg/kg	.08	.08	U	mg/kg	.08	.08	U	mg/kg	.08
Nickel	1.6	U	mg/kg	1.6	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5
Selenium	.28	UJ	mg/kg		.28	UJ	mg/kg		.28	UJ	mg/kg		.28	UJ	mg/kg	
Silver	.52	U	mg/kg	.52	.52	U	mg/kg	.52	.52	U	mg/kg	.52	.52	U	mg/kg	.52
Thallium	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.27	U	mg/kg	.27	.28	U	mg/kg	.28
Tin	2.2	J	mg/kg		2	U	mg/kg	2	3.6	J	mg/kg		2.3	J	mg/kg	
Vanadium	1.7	J	mg/kg		1.3	J	mg/kg		.97	J	mg/kg		.88	J	mg/kg	
Zinc	1.7	J	mg/kg		3.7	J	mg/kg		1.7	J	mg/kg		1.2	J	mg/kg	

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684015				M7684016				M7684017				M7684018			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01501				28SS01601				28SS01701				28SS01801			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	.47	UJ	mg/kg		.48	UJ	mg/kg		.89	J	mg/kg		.48	UJ	mg/kg	
Arsenic	.95	J	mg/kg		1.1	J	mg/kg		1.3	J	mg/kg		1.2	J	mg/kg	
Barium	5.6	J	mg/kg		4.3	J	mg/kg		9.5	J	mg/kg		6	J	mg/kg	
Beryllium	.08	J	mg/kg		.1	J	mg/kg		.13	J	mg/kg		.12	J	mg/kg	
Cadmium	.64	U	mg/kg	.64	.65	U	mg/kg	.65	.66	U	mg/kg	.66	.65	U	mg/kg	.65
Chromium	2.1	J	mg/kg		2	J	mg/kg		2.6		mg/kg		2.4		mg/kg	
Cobalt	.57	U	mg/kg	.57	.58	U	mg/kg	.58	.58	U	mg/kg	.58	.58	U	mg/kg	.58
Copper	.85	U	mg/kg	.85	1.3	J	mg/kg		1.2	J	mg/kg		.86	U	mg/kg	.86
Cyanide	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.05	J	mg/kg		.03	U	mg/kg	.03
Lead	2.6		mg/kg		1	UJ	mg/kg		1.3	U	mg/kg	1.3	1.2	U	mg/kg	1.2
Mercury	.07	U	mg/kg	.07	.09	U	mg/kg	.09	.08	U	mg/kg	.08	.08	U	mg/kg	.08
Nickel	1.5	U	mg/kg	1.5	1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6
Selenium	.28	UJ	mg/kg		.29	UJ	mg/kg		.29	UJ	mg/kg		.28	UJ	mg/kg	
Silver	.52	U	mg/kg	.52	.52	U	mg/kg	.52	.52	U	mg/kg	.52	.52	U	mg/kg	.52
Thallium	.27	U	mg/kg	.27	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28
Tin	4.4	J	mg/kg		2.6	J	mg/kg		2.4	J	mg/kg		2.7	J	mg/kg	
Vanadium	1.8	J	mg/kg		1.7	J	mg/kg		2.5	J	mg/kg		2.2	J	mg/kg	
Zinc	3.9	J	mg/kg		2	J	mg/kg		2.3	J	mg/kg		2.2	J	mg/kg	

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7684004				M7684005				M7675012				M7675013			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS01901				28SS02001				28SS02101				28SS02101D			
Collect Date:	06-AUG-94				06-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	.48	UJ	mg/kg		.48	UJ	mg/kg		.48	U	mg/kg	.48	.48	U	mg/kg	.48
Arsenic	.93	J	mg/kg		1.5	J	mg/kg		.46	J	mg/kg		.52	J	mg/kg	
Barium	4.3	J	mg/kg		6.4	J	mg/kg		2.9	J	mg/kg		5.4	J	mg/kg	
Beryllium	.04	U	mg/kg	.04	.05	J	mg/kg		.12	J	mg/kg		.13	J	mg/kg	
Cadmium	.66	U	mg/kg	.66	.65	U	mg/kg	.65	.65	U	mg/kg	.65	.65	U	mg/kg	.65
Chromium	1.3	J	mg/kg		2.3		mg/kg		2.6		mg/kg		2.7		mg/kg	
Cobalt	.58	U	mg/kg	.58	.57	U	mg/kg	.57	.67	J	mg/kg		.57	U	mg/kg	.57
Copper	1.5	J	mg/kg		.86	U	mg/kg	.86	.86	U	mg/kg	.86	.86	U	mg/kg	.86
Cyanide	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Lead	2.1		mg/kg		1	U	mg/kg	1	3	J	mg/kg		1.2	J	mg/kg	
Mercury	.08	U	mg/kg	.08	.08	U	mg/kg	.08	.08	U	mg/kg	.08	.08	U	mg/kg	.08
Nickel	1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6	1.6	U	mg/kg	1.6
Selenium	.29	J	mg/kg		.28	UJ	mg/kg		.28	U	mg/kg	.28	.28	U	mg/kg	.28
Silver	.52	U	mg/kg	.52	.52	UJ	mg/kg		.45	U	mg/kg	.45	.44	U	mg/kg	.44
Thallium	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28
Tin	3.1	J	mg/kg		2.4	J	mg/kg		3.3	J	mg/kg		4.4	J	mg/kg	
Vanadium	1.3	J	mg/kg		2.2	J	mg/kg		1.9	J	mg/kg		2.7	J	mg/kg	
Zinc	2.9	J	mg/kg		1.8	J	mg/kg		.93	U	mg/kg	.93	1.2	U	mg/kg	1.2

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7675011				M7675010				M7675009				M7675008			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		28SS02201				28SS02301				28SS02401				28SS02501			
Collect Date:		05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS	mg/kg																
Antimony		.47	U	mg/kg	.47	.47	U	mg/kg	.47	.47	U	mg/kg	.47	.47	U	mg/kg	.47
Arsenic		.58	J	mg/kg		.82	J	mg/kg		1.1	J	mg/kg		.53	J	mg/kg	
Barium		4	J	mg/kg		4.6	J	mg/kg		7.1	J	mg/kg		6.5	J	mg/kg	
Beryllium		.1	J	mg/kg		.13	J	mg/kg		.13	J	mg/kg		.16	J	mg/kg	
Cadmium		.64	U	mg/kg	.64	.64	U	mg/kg	.64	.64	U	mg/kg	.64	.64	U	mg/kg	.64
Chromium		3.1		mg/kg		1.9	J	mg/kg		3.9		mg/kg		2.1	J	mg/kg	
Cobalt		.57	U	mg/kg	.57	.56	U	mg/kg	.56	.95	J	mg/kg		.59	J	mg/kg	
Copper		.85	U	mg/kg	.85	1.2	J	mg/kg		2.2	J	mg/kg		.87	J	mg/kg	
Cyanide		.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Lead		.87	J	mg/kg		.43	UJ	mg/kg		.83	J	mg/kg		.51	J	mg/kg	
Mercury		.08	U	mg/kg	.08	.08	U	mg/kg	.08	.08	U	mg/kg	.08	.08	U	mg/kg	.08
Nickel		1.6	U	mg/kg	1.6	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5
Selenium		.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28
Silver		.44	U	mg/kg	.44	.43	U	mg/kg	.43	.43	U	mg/kg	.43	.48	J	mg/kg	
Thallium		.28	U	mg/kg	.28	.27	U	mg/kg	.27	.27	U	mg/kg	.27	.27	U	mg/kg	.27
Tin		2.3	J	mg/kg		3.3	J	mg/kg		3.5	J	mg/kg		2.7	J	mg/kg	
Vanadium		2.2	J	mg/kg		1.9	J	mg/kg		3.8	J	mg/kg		1.5	J	mg/kg	
Zinc		1	U	mg/kg	1	.7	U	mg/kg	.7	1.6	U	mg/kg	1.6	1.35	U	mg/kg	1.35

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675007				M7675006				M7675005				M7675004			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS02601				28SS02701				28SS02801				28SS02901			
Collect Date:	05-AUG-94				05-AUG-94				05-AUG-94				05-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	.47	U	mg/kg	.47	.46	U	mg/kg	.46	.47	U	mg/kg	.47	.47	U	mg/kg	.47
Arsenic	.49	J	mg/kg		.56	J	mg/kg		.67	J	mg/kg		.75	J	mg/kg	
Barium	3.5	J	mg/kg		4.8	J	mg/kg		5.8	J	mg/kg		4.2	J	mg/kg	
Beryllium	.1	J	mg/kg		.11	J	mg/kg		.1	J	mg/kg		.12	J	mg/kg	
Cadmium	.64	U	mg/kg	.64	.63	U	mg/kg	.63	.64	U	mg/kg	.64	.64	U	mg/kg	.64
Chromium	2.4		mg/kg		2.6		mg/kg		3.1		mg/kg		2	J	mg/kg	
Cobalt	.56	U	mg/kg	.56	.58	J	mg/kg		.61	J	mg/kg		.57	U	mg/kg	.57
Copper	.84	U	mg/kg	.84	1	J	mg/kg		4.1	J	mg/kg		.84	U	mg/kg	.84
Cyanide	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Lead	.92	J	mg/kg		1.5	J	mg/kg		.9	J	mg/kg		1	J	mg/kg	
Mercury	.08	U	mg/kg	.08	.07	U	mg/kg	.07	.08	U	mg/kg	.08	.08	U	mg/kg	.08
Nickel	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5
Selenium	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28
Silver	.44	U	mg/kg	.44	.43	U	mg/kg	.43	.61	J	mg/kg		.44	U	mg/kg	.44
Thallium	.27	U	mg/kg	.27	.27	U	mg/kg	.27	.27	U	mg/kg	.27	.27	U	mg/kg	.27
Tin	3.8	J	mg/kg		4.5	J	mg/kg		3.3	J	mg/kg		3	J	mg/kg	
Vanadium	1.6	J	mg/kg		2.1	J	mg/kg		2.1	J	mg/kg		1.5	J	mg/kg	
Zinc	.56	U	mg/kg	.56	.88	U	mg/kg	.88	3.4	J	mg/kg		1.35	U	mg/kg	1.35

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7675002				M7675003				M7683001				M7683002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28SS03001				28SS03001D				28SS03101				28SS03201			
Collect Date:	05-AUG-94				05-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg																
Antimony	.46	UJ	mg/kg		.46	U	mg/kg	.46	.47	UJ	mg/kg		.48	UJ	mg/kg	
Arsenic	.77	J	mg/kg		.6	J	mg/kg		.55	J	mg/kg		3.2		mg/kg	
Barium	5.4	J	mg/kg		6.2	J	mg/kg		7.9	J	mg/kg		5.3	J	mg/kg	
Beryllium	.1	J	mg/kg		.15	J	mg/kg		.11	U	mg/kg	.11	.07	U	mg/kg	.07
Cadmium	.63	U	mg/kg	.63	.63	U	mg/kg	.63	.64	U	mg/kg	.64	.66	U	mg/kg	.66
Chromium	2.4		mg/kg		3		mg/kg		2.7		mg/kg		2.2		mg/kg	
Cobalt	.56	U	mg/kg	.56	.56	U	mg/kg	.56	.57	U	mg/kg	.57	.58	U	mg/kg	.58
Copper	1.8	J	mg/kg		2.6	J	mg/kg		2.1	U	mg/kg	2.1	.93	U	mg/kg	.93
Cyanide	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03	.03	U	mg/kg	.03
Lead	.42	UJ	mg/kg		1	J	mg/kg		1.7	J	mg/kg		2.4	J	mg/kg	
Mercury	.08	U	mg/kg	.08	.08	U	mg/kg	.08	.08	U	mg/kg	.08	.08	U	mg/kg	.08
Nickel	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5	1.6	U	mg/kg	1.6
Selenium	.27	UJ	mg/kg		.28	U	mg/kg	.28	.43	U	mg/kg	.43	.43	UJ	mg/kg	
Silver	.43	U	mg/kg	.43	.43	U	mg/kg	.43	.48	J	mg/kg		.45	U	mg/kg	.45
Thallium	.27	U	mg/kg	.27	.27	U	mg/kg	.27	.28	U	mg/kg	.28	.28	U	mg/kg	.28
Tin	3.5	J	mg/kg		3.2	J	mg/kg		27.5		mg/kg		4.3	J	mg/kg	
Vanadium	1.8	J	mg/kg		1.8	J	mg/kg		2.1	J	mg/kg		1.6	J	mg/kg	
Zinc	1.2	U	mg/kg	1.2	.56	U	mg/kg	.56	17.2		mg/kg		2.3	U	mg/kg	2.3

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7683005				M7698012				M7698011			
Site		RFADATA				RFADATA				RFADATA			
Locator		28SS03301				28SS03401				28SS03501			
Collect Date:		06-AUG-94				10-AUG-94				10-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS	mg/kg												
Antimony		.47	UJ	mg/kg		.48	UJ	mg/kg		.5	UJ	mg/kg	
Arsenic		.9	J	mg/kg		1.2	J	mg/kg		1.2	J	mg/kg	
Barium		8.9	J	mg/kg		6.6	J	mg/kg		7.5	J	mg/kg	
Beryllium		.09	U	mg/kg	.09	.08	J	mg/kg		.2	J	mg/kg	
Cadmium		.64	U	mg/kg	.64	.66	U	mg/kg	.66	.67	U	mg/kg	.67
Chromium		2.5		mg/kg		3.5		mg/kg		5		mg/kg	
Cobalt		.56	U	mg/kg	.56	.58	U	mg/kg	.58	1	J	mg/kg	
Copper		.93	U	mg/kg	.93	6.8		mg/kg		4.1	U	mg/kg	4.1
Cyanide		.03	U	mg/kg	.03	.03	U	mg/kg	.03	.04	U	mg/kg	.04
Lead		5.6	J	mg/kg		6.1		mg/kg		3.2		mg/kg	
Mercury		.08	U	mg/kg	.08	.08	U	mg/kg	.08	.09	U	mg/kg	.09
Nickel		1.5	U	mg/kg	1.5	1.6	U	mg/kg	1.6	1.6	J	mg/kg	
Selenium		.43	U	mg/kg	.43	.29	UJ	mg/kg		.29	UJ	mg/kg	
Silver		.78	J	mg/kg		.45	U	mg/kg	.45	.46	U	mg/kg	.46
Thallium		.27	U	mg/kg	.27	.28	U	mg/kg	.28	.29	U	mg/kg	.29
Tin		3	J	mg/kg		2	U	mg/kg	2	2.1	U	mg/kg	2.1
Vanadium		2.2	J	mg/kg		6	J	mg/kg		5	J	mg/kg	
Zinc		3.4	U	mg/kg	3.4	16.7		mg/kg		15		mg/kg	

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NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		M7684006				M7684007				M7684019				M7684020		
Site		RFADATA				RFADATA				RFADATA				RFADATA		
Locator		28BS00106				28BS00504				28BS01004				28BS01704		
Collect Date:		06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg																
Chloromethane		11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12
Bromomethane		11	U	ug/kg	11	21	U	ug/kg	21	12	UJ	ug/kg		12	UJ	ug/kg	
Vinyl chloride		11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12
Chloroethane		11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12
Methylene chloride		7	U	ug/kg	7	11	U	ug/kg	11	19	U	ug/kg	19	18	U	ug/kg	18
Acetone		26	U	ug/kg	26	200	J	ug/kg		88	J	ug/kg		59	J	ug/kg	
Carbon disulfide		5	U	ug/kg	5	24		ug/kg		2	J	ug/kg		6	U	ug/kg	6
1,1-Dichloroethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,1-Dichloroethene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethene (total)		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Chloroform		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloroethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
2-Butanone		11	R	ug/kg		21	J	ug/kg		12	R	ug/kg		12	R	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Carbon tetrachloride		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Bromodichloromethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichloropropane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
cis-1,3-Dichloropropene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Trichloroethene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Dibromochloromethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2-Trichloroethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Benzene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,3-Dichloropropene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Bromoform		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
4-Methyl-2-pentanone		11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12
2-Hexanone		11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12
Tetrachloroethene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Toluene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Chlorobenzene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Ethylbenzene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Styrene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Xylenes (total)		5	U	ug/kg	5	11	U	ug/kg	11	1	J	ug/kg		2	J	ug/kg	
Trichlorofluoromethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,3-Dichlorobenzene		5	U	ug/kg	5	11	U	ug/kg	11	420	U	ug/kg	420	390	U	ug/kg	390
Acrolein		110	U	ug/kg	110	210	U	ug/kg	210	120	U	ug/kg	120	120	U	ug/kg	120
Iodomethane		11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12
1,4-Dichlorobenzene		350	U	ug/kg	350	11	U	ug/kg	11	6	U	ug/kg	6	390	U	ug/kg	390
Acrylonitrile		110	U	ug/kg	110	210	U	ug/kg	210	120	U	ug/kg	120	120	U	ug/kg	120
Dibromomethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dichlorobenzene		5	U	ug/kg	5	11	U	ug/kg	11	420	U	ug/kg	420	390	U	ug/kg	390
2-Chloroethylvinylether		11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12
Ethyl methacrylate		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,2,3-Trichloropropane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
trans-1,4-Dichloro-2-butene		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Isobutyl alcohol		210	U	ug/kg	210	420	U	ug/kg	420	250	U	ug/kg	250	240	U	ug/kg	240
1,1,1,2-Tetrachloroethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,2-Dibromo-3-chloropropane		110	U	ug/kg	110	220	U	ug/kg	220	130	U	ug/kg	130	120	U	ug/kg	120
1,2-Dibromoethane		5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
1,4-Dioxane		210	R	ug/kg		420	R	ug/kg		250	R	ug/kg		240	R	ug/kg	

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684006				M7684007				M7684019				M7684020			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28BS00106				28BS00504				28BS01004				28BS01704			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Acetonitrile	110	U	ug/kg	110	210	U	ug/kg	210	120	U	ug/kg	120	120	U	ug/kg	120
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	11	U	ug/kg	11	6	U	ug/kg	6	6	U	ug/kg	6
Methyl methacrylate	11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12
Pentachloroethane	11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12
Propionitrile	110	U	ug/kg	110	210	U	ug/kg	210	120	U	ug/kg	120	120	U	ug/kg	120
Vinyl acetate	11	U	ug/kg	11	21	U	ug/kg	21	12	U	ug/kg	12	12	U	ug/kg	12

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THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		M7684008				M7683003				M7683004			
Site		RFADATA				RFADATA				RFADATA			
Locator		28BS02204				28BS03104				28BS03104D			
Collect Date:		06-AUG-94				06-AUG-94				06-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg												
Chloromethane		14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
Vinyl chloride		14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		10	U	ug/kg	10	11	U	ug/kg	11	12	U	ug/kg	12
Acetone		37	U	ug/kg	37	17	UJ	ug/kg		17	UJ	ug/kg	
Carbon disulfide		3	J	ug/kg		6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,1-Dichloroethene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethene (total)		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Chloroform		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloroethane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
2-Butanone		14	R	ug/kg		11	R	ug/kg		11	R	ug/kg	
1,1,1-Trichloroethane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Carbon tetrachloride		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Bromodichloromethane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dichloropropane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
cis-1,3-Dichloropropene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Trichloroethene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Dibromochloromethane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2-Trichloroethane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Benzene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
trans-1,3-Dichloropropene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Bromoform		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
4-Methyl-2-pentanone		14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Toluene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Chlorobenzene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Ethylbenzene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Styrene		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Xylenes (total)		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Trichlorofluoromethane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,3-Dichlorobenzene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Acrolein		140	U	ug/kg	140	110	U	ug/kg	110	110	U	ug/kg	110
Iodomethane		14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
1,4-Dichlorobenzene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Acrylonitrile		140	U	ug/kg	140	110	U	ug/kg	110	110	U	ug/kg	110
Dibromomethane		7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684008				M7683003				M7683004			
Site	RFADATA				RFADATA				RFADATA			
Locator	28BS02204				28BS03104				28BS03104D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	1700	U	ug/kg	1700	6	U	ug/kg	6	370	U	ug/kg	370
2-Chloroethylvinylether	14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
Ethyl methacrylate	7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,2,3-Trichloropropane	7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Isobutyl alcohol	280	U	ug/kg	280	220	U	ug/kg	220	220	U	ug/kg	220
1,1,1,2-Tetrachloroethane	7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	150	U	ug/kg	150	120	U	ug/kg	120	110	U	ug/kg	110
1,2-Dibromoethane	7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
1,4-Dioxane	280	R	ug/kg		220	R	ug/kg		220	R	ug/kg	
3-Chloropropene	7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Acetonitrile	140	U	ug/kg	140	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	7	U	ug/kg	7	6	U	ug/kg	6	5	U	ug/kg	5
Methyl methacrylate	14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	140	U	ug/kg	140	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	14	U	ug/kg	14	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		M7684006				M7684007				M7684019				M7684020		
Site		RFADATA				RFADATA				RFADATA				RFADATA		
Locator		28BS00106				28BS00504				28BS01004				28BS01704		
Collect Date:		06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg																
N-Nitrosodimethylamine		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Phenol		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Aniline		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
bis (2-Chloroethyl) ether		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
1,3-Dichlorobenzene		5	U	ug/kg	5	11	U	ug/kg	11	420	U	ug/kg	420	390	U	ug/kg	390
1,4-Dichlorobenzene		350	U	ug/kg	350	11	U	ug/kg	11	6	U	ug/kg	6	390	U	ug/kg	390
Benzyl Alcohol		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
1,2-Dichlorobenzene		5	U	ug/kg	5	11	U	ug/kg	11	420	U	ug/kg	420	390	U	ug/kg	390
2-Methylphenol		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
bis(2-Chloroisopropyl)ether		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
N-Nitroso-di-n-propylamine		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Hexachloroethane		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Nitrobenzene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Isophorone		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2-Nitrophenol		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2,4-Dimethylphenol		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Benzoic acid		1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
bis(2-Chloroethoxy)methane		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2,4-Dichlorophenol		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
1,2,4-Trichlorobenzene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Naphthalene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
4-Chloroaniline		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Hexachlorobutadiene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
4-Chloro-3-methylphenol		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2-Methylnaphthalene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Hexachlorocyclopentadiene		350	UJ	ug/kg		600	U	ug/kg	600	420	UJ	ug/kg		390	UJ	ug/kg	
2,4,6-Trichlorophenol		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Dimethylphthalate		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2,4,5-Trichlorophenol		1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
2-Chloronaphthalene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2-Nitroaniline		1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
Acenaphthylene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2,6-Dinitrotoluene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
3-Nitroaniline		1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
Acenaphthene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2,4-Dinitrophenol		1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
4-Nitrophenol		1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
Dibenzofuran		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2,4-Dinitrotoluene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Diethylphthalate		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
4-Chlorophenyl-phenylether		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Fluorene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
4-Nitroaniline		1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
4,6-Dinitro-2-methylphenol		1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
N-Nitrosodiphenylamine (1)		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
1,2-Diphenylhydrazine		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
4-Bromophenyl-phenylether		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Hexachlorobenzene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Pentachlorophenol		1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
Phenanthrene		350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684006				M7684007				M7684019				M7684020			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28BS00106				28BS00504				28BS01004				28BS01704			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Di-n-Butylphthalate	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	50	J	ug/kg	
Fluoranthene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Pyrene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Butylbenzylphthalate	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
3,3'-Dichlorobenzidine	690	U	ug/kg	690	1200	U	ug/kg	1200	850	U	ug/kg	850	790	U	ug/kg	790
Benzo(a)anthracene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Chrysene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
bis(2-Ethylhexyl)phthalate	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Di-n-octylphthalate	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Benzo(b)fluoranthene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Benzo(k)fluoranthene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Benzo(a)pyrene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Indeno(1,2,3-cd)pyrene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Dibenz(a,h)anthracene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Benzo(g,h,i)perylene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
2-Picoline	1700	U	ug/kg	1700	2900	UJ	ug/kg		2100	U	ug/kg	2100	1900	U	ug/kg	1900
Methyl methanesulfonate	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Ethyl methanesulfonate	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
Acetophenone	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
N-Nitrosopiperidine	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
Phenyl-tert-butylamine	1700	UJ	ug/kg		2900	U	ug/kg	2900	2100	UJ	ug/kg		1900	UJ	ug/kg	
2,6-Dichlorophenol	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
N-Nitroso-di-n-butylamine	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
N-Nitrosodiethylamine	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
N-Nitrosopyrrolidine	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
Benzidine	1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
1,2,4,5-Tetrachlorobenzene	1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
Pentachlorobenzene	1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
1-Naphthylamine	1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
2-Naphthylamine	1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
2,3,4,6-Tetrachlorophenol	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Phenacetin	350	UJ	ug/kg		600	UJ	ug/kg		420	UJ	ug/kg		390	UJ	ug/kg	
4-Aminobiphenyl	1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
Pentachloronitrobenzene	1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
Pronamide	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
p-(Dimethylamino)azobenzene	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
7,12-Dimethylbenz(A)Anthracene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
3-Methylcholanthrene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Pyridine	1700	U	ug/kg	1700	2900	UJ	ug/kg		2100	U	ug/kg	2100	1900	U	ug/kg	1900
N-Nitrosomethylethylamine	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
N-Nitrosomorpholine	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
o-Toluidine	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
Hexachloropropene	1700	UJ	ug/kg		2900	U	ug/kg	2900	2100	UJ	ug/kg		1900	UJ	ug/kg	
p-Phenylenediamine	17000	UJ	ug/kg		29000	UJ	ug/kg		21000	UJ	ug/kg		19000	UJ	ug/kg	
Safrole	1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
Isosafrole	1700	U	ug/kg	1700	2900	U	ug/kg	2900	2100	U	ug/kg	2100	1900	U	ug/kg	1900
1,4-Naphthoquinone	35000	U	ug/kg	35000	60000	U	ug/kg	60000	42000	U	ug/kg	42000	39000	U	ug/kg	39000
1,3-Dinitrobenzene	350	U	ug/kg	350	600	UJ	ug/kg		420	U	ug/kg	420	390	U	ug/kg	390
5-Nitro-o-toluidine	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
1,3,5-Trinitrobenzene	350	UJ	ug/kg		600	UJ	ug/kg		420	UJ	ug/kg		390	UJ	ug/kg	
4-Nitroquinoline-1-oxide	17000	R	ug/kg		29000	R	ug/kg		21000	R	ug/kg		19000	R	ug/kg	

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684006				M7684007				M7684019				M7684020			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28BS00106				28BS00504				28BS01004				28BS01704			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	1700	U	ug/kg	1700	2900	UJ	ug/kg		2100	U	ug/kg	2100	1900	U	ug/kg	1900
3,3'-Dimethylbenzidine	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
Hexachlorophene	17000	R	ug/kg		29000	R	ug/kg		21000	R	ug/kg		19000	R	ug/kg	
Aramite	1700	UJ	ug/kg		2900	U	ug/kg	2900	2100	UJ	ug/kg		1900	UJ	ug/kg	
2-Chlorophenol	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
3- & 4-Methylphenol (2)	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	1700	UJ	ug/kg		2900	U	ug/kg	2900	2100	UJ	ug/kg		1900	UJ	ug/kg	
2-Acetylaminofluorene	350	U	ug/kg	350	600	U	ug/kg	600	420	U	ug/kg	420	390	U	ug/kg	390

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		M7684008				M7683003				M7683004			
Site		RFADATA				RFADATA				RFADATA			
Locator		28BS02204				28BS03104				28BS03104D			
Collect Date:		06-AUG-94				06-AUG-94				06-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg												
N-Nitrosodimethylamine		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Phenol		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Aniline		1700	U	ug/kg	1700	360	UJ	ug/kg		370	UJ	ug/kg	
bis (2-Chloroethyl) ether		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
1,3-Dichlorobenzene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
1,4-Dichlorobenzene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Benzyl Alcohol		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
1,2-Dichlorobenzene		1700	U	ug/kg	1700	6	U	ug/kg	6	370	U	ug/kg	370
2-Methylphenol		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
bis(2-Chloroisopropyl)ether		1700	U	ug/kg	1700	360	UJ	ug/kg		370	UJ	ug/kg	
N-Nitroso-di-n-propylamine		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Hexachloroethane		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Nitrobenzene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Isophorone		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2-Nitrophenol		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2,4-Dimethylphenol		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Benzoic acid		8100	U	ug/kg	8100	1800	UJ	ug/kg		1800	UJ	ug/kg	
bis(2-Chloroethoxy)methane		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2,4-Dichlorophenol		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
1,2,4-Trichlorobenzene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Naphthalene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
4-Chloroaniline		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Hexachlorobutadiene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
4-Chloro-3-methylphenol		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2-Methylnaphthalene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Hexachlorocyclopentadiene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2,4,6-Trichlorophenol		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Dimethylphthalate		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2,4,5-Trichlorophenol		8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
2-Chloronaphthalene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2-Nitroaniline		8100	U	ug/kg	8100	1800	UJ	ug/kg		1800	U	ug/kg	1800
Acenaphthylene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2,6-Dinitrotoluene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
3-Nitroaniline		8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
Acenaphthene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2,4-Dinitrophenol		8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
4-Nitrophenol		8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
Dibenzofuran		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
2,4-Dinitrotoluene		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Diethylphthalate		1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684008				M7683003				M7683004			
Site	RFADATA				RFADATA				RFADATA			
Locator	28BS02204				28BS03104				28BS03104D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Fluorene	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
4-Nitroaniline	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
4,6-Dinitro-2-methylphenol	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
N-Nitrosodiphenylamine (1)	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
1,2-Diphenylhydrazine	1700	U	ug/kg	1700	360	UJ	ug/kg		370	UJ	ug/kg	
4-Bromophenyl-phenylether	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Hexachlorobenzene	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Pentachlorophenol	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
Phenanthrene	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Anthracene	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Di-n-Butylphthalate	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Fluoranthene	280	J	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Pyrene	280	J	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Butylbenzylphthalate	230	J	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
3,3'-Dichlorobenzidine	3300	U	ug/kg	3300	720	U	ug/kg	720	730	U	ug/kg	730
Benzo(a)anthracene	210	J	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Chrysene	270	J	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
bis(2-Ethylhexyl)phthalate	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Di-n-octylphthalate	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Benzo(b)fluoranthene	310	J	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Benzo(k)fluoranthene	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Benzo(a)pyrene	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Indeno(1,2,3-cd)pyrene	290	J	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Dibenz(a,h)anthracene	180	J	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Benzo(g,h,i)perylene	200	J	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
2-Picoline	8100	UJ	ug/kg		1800	U	ug/kg	1800	1800	U	ug/kg	1800
Methyl methanesulfonate	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Ethyl methanesulfonate	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Acetophenone	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
N-Nitrosopiperidine	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Phenyl-tert-butylamine	8100	U	ug/kg	8100	1800	UJ	ug/kg		1800	UJ	ug/kg	
2,6-Dichlorophenol	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
N-Nitroso-di-n-butylamine	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
N-Nitrosodiethylamine	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
N-Nitrosopyrrolidine	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Benzidine	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
1,2,4,5-Tetrachlorobenzene	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
Pentachlorobenzene	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
1-Naphthylamine	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
2-Naphthylamine	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
2,3,4,6-Tetrachlorophenol	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Phenacetin	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
4-Aminobiphenyl	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
Pentachloronitrobenzene	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
Pronamide	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
p-(Dimethylamino)azobenzene	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
7,12-Dimethylbenz(A)Anthracene	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
3-Methylcholanthrene	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Pyridine	8100	UJ	ug/kg		1800	U	ug/kg	1800	1800	U	ug/kg	1800
N-Nitrosomethylethylamine	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
N-Nitrosomorpholine	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684008				M7683003				M7683004			
Site	RFADATA				RFADATA				RFADATA			
Locator	28BS02204				28BS03104				28BS03104D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
Hexachloropropene	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
p-Phenylenediamine	81000	UJ	ug/kg		18000	UJ	ug/kg		18000	U	ug/kg	18000
Safrole	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
Isosafrole	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
1,4-Naphthoquinone	170000	U	ug/kg	170000	35000	U	ug/kg	35000	36000	U	ug/kg	36000
1,3-Dinitrobenzene	1700	UJ	ug/kg		360	UJ	ug/kg		370	U	ug/kg	370
5-Nitro-o-toluidine	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
1,3,5-Trinitrobenzene	1700	UJ	ug/kg		360	U	ug/kg	360	370	U	ug/kg	370
4-Nitroquinoline-1-oxide	81000	R	ug/kg		18000	U	ug/kg	18000	18000	U	ug/kg	18000
Methapyrilene	8100	UJ	ug/kg		1800	U	ug/kg	1800	1800	UJ	ug/kg	
3,3'-Dimethylbenzidine	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
Hexachlorophene	81000	R	ug/kg		18000	U	ug/kg	18000	18000	R	ug/kg	
Aramite	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
2-Chlorophenol	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
3- & 4-Methylphenol (2)	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	8100	U	ug/kg	8100	1800	U	ug/kg	1800	1800	U	ug/kg	1800
2-Acetylaminofluorene	1700	U	ug/kg	1700	360	U	ug/kg	360	370	U	ug/kg	370

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684006				M7684007				M7684019				M7684020			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28BS00106				28BS00504				28BS01004				28BS01704			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
beta-BHC	1.4	U	ug/kg	1.4	2.4	U	ug/kg	2.4	1.7	U	ug/kg	1.7	3.1	U	ug/kg	3.1
delta-BHC	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
gamma-BHC (Lindane)	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
Heptachlor	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
Aldrin	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
Heptachlor epoxide	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
Endosulfan I	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
Dieldrin	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
4,4-DDE	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
Endrin	1.4	U	ug/kg	1.4	2.4	U	ug/kg	2.4	1.7	U	ug/kg	1.7	3.1	U	ug/kg	3.1
Endosulfan II	1.4	U	ug/kg	1.4	2.4	U	ug/kg	2.4	1.7	U	ug/kg	1.7	3.1	U	ug/kg	3.1
4,4-DDD	1.4	U	ug/kg	1.4	2.4	U	ug/kg	2.4	1.7	U	ug/kg	1.7	3.1	U	ug/kg	3.1
Endosulfan sulfate	1.4	U	ug/kg	1.4	2.4	U	ug/kg	2.4	1.7	U	ug/kg	1.7	3.1	U	ug/kg	3.1
4,4-DDT	1.4	U	ug/kg	1.4	2.4	U	ug/kg	2.4	1.7	U	ug/kg	1.7	3.1	U	ug/kg	3.1
Methoxychlor	2.9	U	ug/kg	2.9	4.9	U	ug/kg	4.9	3.5	U	ug/kg	3.5	6.4	U	ug/kg	6.4
Endrin aldehyde	1.4	U	ug/kg	1.4	2.4	U	ug/kg	2.4	1.7	U	ug/kg	1.7	3.1	U	ug/kg	3.1
Endrin ketone	1.4	U	ug/kg	1.4	2.4	U	ug/kg	2.4	1.7	U	ug/kg	1.7	3.1	U	ug/kg	3.1
Chlordane	7.1	U	ug/kg	7.1	12	U	ug/kg	12	8.6	U	ug/kg	8.6	16	U	ug/kg	16
Chlorobenzilate	21	U	ug/kg	21	36	U	ug/kg	36	26	U	ug/kg	26	48	U	ug/kg	48
Dialiate	42	U	ug/kg	42	73	U	ug/kg	73	51	U	ug/kg	51	95	U	ug/kg	95
Toxaphene	35	U	ug/kg	35	60	U	ug/kg	60	42	U	ug/kg	42	79	U	ug/kg	79
Isodrin	.71	U	ug/kg	.71	1.2	U	ug/kg	1.2	.86	U	ug/kg	.86	1.6	U	ug/kg	1.6
Kepone	42	U	ug/kg	42	73	U	ug/kg	73	51	U	ug/kg	51	95	U	ug/kg	95
Aroclor-1016	35	U	ug/kg	35	60	U	ug/kg	60	42	U	ug/kg	42	79	U	ug/kg	79
Aroclor-1221	71	U	ug/kg	71	120	U	ug/kg	120	86	U	ug/kg	86	160	U	ug/kg	160
Aroclor-1232	71	U	ug/kg	71	120	U	ug/kg	120	86	U	ug/kg	86	160	U	ug/kg	160
Aroclor-1242	35	U	ug/kg	35	60	U	ug/kg	60	42	U	ug/kg	42	79	U	ug/kg	79
Aroclor-1248	35	U	ug/kg	35	60	U	ug/kg	60	42	U	ug/kg	42	79	U	ug/kg	79
Aroclor-1254	18	U	ug/kg	18	31	U	ug/kg	31	22	U	ug/kg	22	40	U	ug/kg	40
Aroclor-1260	18	U	ug/kg	18	31	U	ug/kg	31	22	U	ug/kg	22	40	U	ug/kg	40

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684008				M7683003				M7683004			
Site	RFADATA				RFADATA				RFADATA			
Locator	28BS02204				28BS03104				28BS03104D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg												
alpha-BHC	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
beta-BHC	4.1	U	ug/kg	4.1	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
delta-BHC	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
gamma-BHC (Lindane)	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
Heptachlor	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
Aldrin	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
Heptachlor epoxide	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
Endosulfan I	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
Dieldrin	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
4,4-DDE	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
Endrin	4.1	U	ug/kg	4.1	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan II	4.1	U	ug/kg	4.1	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDD	4.1	U	ug/kg	4.1	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan sulfate	4.1	U	ug/kg	4.1	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDT	4.1	U	ug/kg	4.1	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Methoxychlor	8.5	U	ug/kg	8.5	2.9	U	ug/kg	2.9	3	U	ug/kg	3
Endrin aldehyde	4.1	U	ug/kg	4.1	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endrin ketone	4.1	U	ug/kg	4.1	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Chlordane	21	U	ug/kg	21	7.2	U	ug/kg	7.2	7.4	U	ug/kg	7.4
Chlorobenzilate	63	U	ug/kg	63	22	U	ug/kg	22	22	U	ug/kg	22
Diallate	130	U	ug/kg	130	43	U	ug/kg	43	44	U	ug/kg	44
Toxaphene	100	U	ug/kg	100	35	U	ug/kg	35	36	U	ug/kg	36
Isodrin	2.1	U	ug/kg	2.1	.72	U	ug/kg	.72	.74	U	ug/kg	.74
Kepone	130	U	ug/kg	130	43	UJ	ug/kg		44	UJ	ug/kg	
Aroclor-1016	100	U	ug/kg	100	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1221	210	U	ug/kg	210	72	U	ug/kg	72	74	U	ug/kg	74
Aroclor-1232	210	U	ug/kg	210	72	U	ug/kg	72	74	U	ug/kg	74
Aroclor-1242	100	U	ug/kg	100	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1248	100	U	ug/kg	100	35	U	ug/kg	35	36	U	ug/kg	36
Aroclor-1254	54	U	ug/kg	54	18	U	ug/kg	18	19	U	ug/kg	19
Aroclor-1260	54	U	ug/kg	54	18	U	ug/kg	18	19	U	ug/kg	19

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684006				M7684007				M7684019				M7684020			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	28BS00106				28BS00504				28BS01004				28BS01704			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS	mg/kg															
Antimony	.47	UJ	mg/kg		.84	UJ	mg/kg		.57	UJ	mg/kg		.67	J	mg/kg	
Arsenic	.56	J	mg/kg		8.3	J	mg/kg		1.6	J	mg/kg		.83	J	mg/kg	
Barium	2.1	J	mg/kg		26.9	J	mg/kg		3.9	J	mg/kg		5.9	J	mg/kg	
Beryllium	.04	U	mg/kg	.04	1.3	J	mg/kg		.15	J	mg/kg		.11	J	mg/kg	
Cadmium	.64	U	mg/kg	.64	1.1	U	mg/kg	1.1	.77	U	mg/kg	.77	.73	U	mg/kg	.73
Chromium	1	J	mg/kg		38.7		mg/kg		4		mg/kg		2.3	J	mg/kg	
Cobalt	.57	U	mg/kg	.57	7.4	J	mg/kg		.87	J	mg/kg		.64	U	mg/kg	.64
Copper	.85	U	mg/kg	.85	7.1	J	mg/kg		1.3	J	mg/kg		.96	U	mg/kg	.96
Cyanide	.03	U	mg/kg	.03	.06	U	mg/kg	.06	.04	U	mg/kg	.04	.04	U	mg/kg	.04
Lead	1.2	U	mg/kg	1.2	11.3		mg/kg		1.7		mg/kg		1	U	mg/kg	1
Mercury	.07	U	mg/kg	.07	1		mg/kg		.1	U	mg/kg	.1	.08	U	mg/kg	.08
Nickel	1.5	U	mg/kg	1.5	10.6	J	mg/kg		1.9	U	mg/kg	1.9	1.8	U	mg/kg	1.8
Selenium	.28	UJ	mg/kg		.5	UJ	mg/kg		.36	J	mg/kg		.39	J	mg/kg	
Silver	.52	U	mg/kg	.52	.78	U	mg/kg	.78	.53	U	mg/kg	.53	.52	U	mg/kg	.52
Thallium	.28	U	mg/kg	.28	.49	U	mg/kg	.49	.33	U	mg/kg	.33	.31	U	mg/kg	.31
Tin	3.8	J	mg/kg		4.3	J	mg/kg		3.7	J	mg/kg		2.9	J	mg/kg	
Vanadium	.85	J	mg/kg		38		mg/kg		3.3	J	mg/kg		2	J	mg/kg	
Zinc	1.7	J	mg/kg		46		mg/kg		3.6	J	mg/kg		2	J	mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7684008				M7683003				M7683004			
Site	RFADATA				RFADATA				RFADATA			
Locator	28BS02204				28BS03104				28BS03104D			
Collect Date:	06-AUG-94				06-AUG-94				06-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg												
Antimony	.6	UJ	mg/kg		.48	UJ	mg/kg		.47	UJ	mg/kg	
Arsenic	4	J	mg/kg		.34	J	mg/kg		.43	J	mg/kg	
Barium	8.4	J	mg/kg		8.9	J	mg/kg		5.2	J	mg/kg	
Beryllium	.28	J	mg/kg		.06	U	mg/kg	.06	.05	U	mg/kg	.05
Cadmium	.82	U	mg/kg	.82	.66	U	mg/kg	.66	1.1		mg/kg	
Chromium	8.1		mg/kg		1.8	J	mg/kg		1.7	J	mg/kg	
Cobalt	1.3	J	mg/kg		.58	U	mg/kg	.58	.57	U	mg/kg	.57
Copper	2	J	mg/kg		2.2	U	mg/kg	2.2	.93	U	mg/kg	.93
Cyanide	.04	U	mg/kg	.04	.03	U	mg/kg	.03	.06	J	mg/kg	
Lead	6.4		mg/kg		2	J	mg/kg		1.3	J	mg/kg	
Mercury	.32		mg/kg		.09	U	mg/kg	.09	.08	U	mg/kg	.08
Nickel	2.2	J	mg/kg		1.6	U	mg/kg	1.6	1.5	U	mg/kg	1.5
Selenium	.36	UJ	mg/kg		.43	U	mg/kg	.43	.43	U	mg/kg	.43
Silver	.56	U	mg/kg	.56	.45	U	mg/kg	.45	.44	U	mg/kg	.44
Thallium	.35	U	mg/kg	.35	.28	U	mg/kg	.28	.27	U	mg/kg	.27
Tin	3.8	J	mg/kg		4.4	J	mg/kg		4.6	J	mg/kg	
Vanadium	8.5	J	mg/kg		1.5	J	mg/kg		1.4	J	mg/kg	
Zinc	21.4		mg/kg		4.7	U	mg/kg	4.7	5	U	mg/kg	5

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7503004			R8403002			M7503005			R8608001		
Site	RFADATA			RFADATA			RFADATA			RFADATA		
Locator	08MW001S			08MW005S			28MW001S			100P001		
Collect Date:	11-JUL-94			26-JUL-94			11-JUL-94			24-AUG-94		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG VOCs (8240+11) ug/l												
Chloromethane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Bromomethane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Vinyl chloride	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Chloroethane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Methylene chloride	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Acetone	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 UJ	ug/l	
Carbon disulfide	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,1-Dichloroethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,1-Dichloroethene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichloroethene (total)	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Chloroform	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichloroethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
2-Butanone	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 R	ug/l	
1,1,1-Trichloroethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Carbon tetrachloride	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Bromodichloromethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichloropropane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
cis-1,3-Dichloropropene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Trichloroethene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Dibromochloromethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,1,2-Trichloroethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Benzene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
trans-1,3-Dichloropropene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Bromoform	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
4-Methyl-2-pentanone	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Hexanone	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Tetrachloroethene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,1,2,2-Tetrachloroethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Toluene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Chlorobenzene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Ethylbenzene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Styrene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Xylenes (total)	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Trichlorofluoromethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,3-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Acrolein	100 U	ug/l	100	100 UJ	ug/l		100 U	ug/l	100	100 U	ug/l	100
Iodomethane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,4-Dichlorobenzene	10 U	ug/l	10	5 U	ug/l	5	10 U	ug/l	10	10 U	ug/l	10
Acrylonitrile	100 U	ug/l	100	100 U	ug/l	100	100 U	ug/l	100	100 U	ug/l	100
Dibromomethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichlorobenzene	5 U	ug/l	5	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Chloroethylvinylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Ethyl methacrylate	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2,3-Trichloropropane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
trans-1,4-Dichloro-2-butene	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
Isobutyl alcohol	200 R	ug/l		200 R	ug/l		200 R	ug/l		200 R	ug/l	
1,1,1,2-Tetrachloroethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5
1,2-Dibromo-3-chloropropane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 UJ	ug/l	
1,2-Dibromoethane	5 U	ug/l	5	5 U	ug/l	5	5 U	ug/l	5	5 UJ	ug/l	
1,4-Dioxane	200 R	ug/l		200 R	ug/l		200 R	ug/l		200 R	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7503004				R8403002				M7503005				R8608001			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	08MW001S				08MW005S				28MW001S				100P001			
Collect Date:	11-JUL-94				26-JUL-94				11-JUL-94				24-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5
Acetonitrile	100	U	ug/l	100	100	UJ	ug/l		100	U	ug/l	100	100	UJ	ug/l	
Chloroprene	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Methacrylonitrile	5	U	ug/l	5	5	U	ug/l	5	5	U	ug/l	5	5	UJ	ug/l	
Methyl methacrylate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	
Pentachloroethane	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	
Propionitrile	100	U	ug/l	100	100	UJ	ug/l		100	U	ug/l	100	100	UJ	ug/l	
Vinyl acetate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8608002
Site	RFADATA
Locator	150P001
Collect Date:	24-AUG-94

		VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/l				
Chloromethane		10	U	ug/l	10
Bromomethane		10	U	ug/l	10
Vinyl chloride		10	U	ug/l	10
Chloroethane		10	U	ug/l	10
Methylene chloride		5	U	ug/l	5
Acetone		10	UJ	ug/l	
Carbon disulfide		5	U	ug/l	5
1,1-Dichloroethane		5	U	ug/l	5
1,1-Dichloroethene		5	U	ug/l	5
1,2-Dichloroethene (total)		5	U	ug/l	5
Chloroform		5	U	ug/l	5
1,2-Dichloroethane		5	U	ug/l	5
2-Butanone		10	R	ug/l	
1,1,1-Trichloroethane		5	U	ug/l	5
Carbon tetrachloride		5	U	ug/l	5
Bromodichloromethane		5	U	ug/l	5
1,2-Dichloropropane		5	U	ug/l	5
cis-1,3-Dichloropropene		5	U	ug/l	5
Trichloroethene		5	U	ug/l	5
Dibromochloromethane		5	U	ug/l	5
1,1,2-Trichloroethane		5	U	ug/l	5
Benzene		5	U	ug/l	5
trans-1,3-Dichloropropene		5	U	ug/l	5
Bromoform		5	U	ug/l	5
4-Methyl-2-pentanone		10	U	ug/l	10
2-Hexanone		10	U	ug/l	10
Tetrachloroethene		5	U	ug/l	5
1,1,2,2-Tetrachloroethane		5	U	ug/l	5
Toluene		5	U	ug/l	5
Chlorobenzene		5	U	ug/l	5
Ethylbenzene		5	U	ug/l	5
Styrene		5	U	ug/l	5
Xylenes (total)		5	U	ug/l	5
Trichlorofluoromethane		5	U	ug/l	5
1,3-Dichlorobenzene		10	U	ug/l	10
Acrolein		100	U	ug/l	100
Iodomethane		10	U	ug/l	10
1,4-Dichlorobenzene		10	U	ug/l	10
Acrylonitrile		100	U	ug/l	100
Dibromomethane		5	U	ug/l	5

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8608002			
Site	RFADATA			
Locator	15OP001			
Collect Date:	24-AUG-94			
	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	10	U	ug/l	10
2-Chloroethylvinylether	10	U	ug/l	10
Ethyl methacrylate	5	U	ug/l	5
1,2,3-Trichloropropane	5	U	ug/l	5
trans-1,4-Dichloro-2-butene	5	U	ug/l	5
Isobutyl alcohol	200	R	ug/l	
1,1,1,2-Tetrachloroethane	5	U	ug/l	5
1,2-Dibromo-3-chloropropane	10	UJ	ug/l	
1,2-Dibromoethane	5	UJ	ug/l	
1,4-Dioxane	200	R	ug/l	
3-Chloropropene	5	U	ug/l	5
Acetonitrile	100	UJ	ug/l	
Chloroprene	-		ug/l	
Methacrylonitrile	5	UJ	ug/l	
Methyl methacrylate	10	UJ	ug/l	
Pentachloroethane	10	UJ	ug/l	
Propionitrile	100	UJ	ug/l	
Vinyl acetate	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7503004			R8403002			M7503005			R8608001		
Site	RFADATA			RFADATA			RFADATA			RFADATA		
Locator	08MW001S			08MW005S			28MW001S			100P001		
Collect Date:	11-JUL-94			26-JUL-94			11-JUL-94			24-AUG-94		
	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG SVOC (8270+24) ug/l												
N-Nitrosodimethylamine	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Phenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Aniline	10 U	ug/l	10	10 UJ	ug/l		10 U	ug/l	10	10 U	ug/l	10
bis (2-Chloroethyl) ether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,3-Dichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,4-Dichlorobenzene	10 U	ug/l	10	5 U	ug/l	5	10 U	ug/l	10	10 U	ug/l	10
Benzyl Alcohol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2-Dichlorobenzene	5 U	ug/l	5	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroisopropyl)ether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
N-Nitroso-di-n-propylamine	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachloroethane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Nitrobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Isophorone	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitrophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dimethylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Benzoic acid	50 R	ug/l		50 U	ug/l	50	50 R	ug/l		50 U	ug/l	50
bis(2-Chloroethoxy)methane	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2,4-Trichlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Naphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloroaniline	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobutadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chloro-3-methylphenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Methylnaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorocyclopentadiene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,6-Trichlorophenol	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Dimethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4,5-Trichlorophenol	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
2-Chloronaphthalene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2-Nitroaniline	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Acenaphthylene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,6-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
3-Nitroaniline	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Acenaphthene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrophenol	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4-Nitrophenol	50 U	ug/l	50	50 UJ	ug/l		50 U	ug/l	50	50 UJ	ug/l	
Dibenzofuran	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrotoluene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Diethylphthalate	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Chlorophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Fluorene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Nitroaniline	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
4,6-Dinitro-2-methylphenol	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
N-Nitrosodiphenylamine (1)	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
1,2-Diphenylhydrazine	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
4-Bromophenyl-phenylether	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobenzene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10
Pentachlorophenol	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50	50 U	ug/l	50
Phenanthrene	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10	10 U	ug/l	10

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7503004				R8403002				M7503005				R8608001			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	08MW001S				08MW005S				28MW001S				100P001			
Collect Date:	11-JUL-94				26-JUL-94				11-JUL-94				24-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-Butylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3,3'-Dichlorobenzidine	20	U	ug/l	20	20	U	ug/l	20	20	U	ug/l	20	20	U	ug/l	20
Benzo(a)anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl)phthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo(b)fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo(k)fluoranthene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzo(a)pyrene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Indeno(1,2,3-cd)pyrene	10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10	10	U	ug/l	10
Dibenz(a,h)anthracene	10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10	10	U	ug/l	10
Benzo(g,h,i)perylene	10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10	10	U	ug/l	10
2-Picoline	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Methyl methanesulfonate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Ethyl methanesulfonate	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Acetophenone	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosopiperidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Phenyl-tert-butylamine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2,6-Dichlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosodiethylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosopyrrolidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Benzidine	50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50	50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Pentachlorobenzene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
1-Naphthylamine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2-Naphthylamine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Phenacetin	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
4-Aminobiphenyl	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Pentachloronitrobenzene	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Pronamide	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
p-(Dimethylamino)azobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3-Methylcholanthrene	10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10	10	U	ug/l	10
Pyridine	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
N-Nitrosomethylethylamine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosomorpholine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
o-Toluidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
Hexachloropropene	50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50	50	U	ug/l	50
p-Phenylenediamine	500	U	ug/l	500	500	UJ	ug/l		500	U	ug/l	500	500	UJ	ug/l	
Safrole	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
Isosafrole	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
1,4-Naphthoquinone	1000	U	ug/l	1000	1000	UJ	ug/l		1000	U	ug/l	1000	1000	U	ug/l	1000
1,3-Dinitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
5-Nitro-o-toluidine	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
1,3,5-Trinitrobenzene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	UJ	ug/l	
4-Nitroquinoline-1-oxide	500	U	ug/l	500	500	UJ	ug/l		500	U	ug/l	500	500	R	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7503004				R8403002				M7503005				R8608001			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	08MW001S				08MW005S				28MW001S				100P001			
Collect Date:	11-JUL-94				26-JUL-94				11-JUL-94				24-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50	50	U	ug/l	50
3,3'-Dimethylbenzidine	10	U	ug/l	10	10	UJ	ug/l		10	U	ug/l	10	10	U	ug/l	10
Hexachlorophene	500	U	ug/l	500	500	R	ug/l		500	U	ug/l	500	500	R	ug/l	
Aramite	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50	50	U	ug/l	50
2-Chlorophenol	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10
3- & 4-Methylphenol (2)	10	U	ug/l	10	29		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Diphenylamine	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene	50	U	ug/l	50	50	UJ	ug/l		50	U	ug/l	50	50	U	ug/l	50
2-Acetylaminofluorene	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		R8608002		
Site		RFADATA		
Locator		15OP001		
Collect Date:		24-AUG-94		
	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/l			
N-Nitrosodimethylamine		10	U	ug/l	10
Phenol		10	U	ug/l	10
Aniline		10	U	ug/l	10
bis (2-Chloroethyl) ether		10	U	ug/l	10
1,3-Dichlorobenzene		10	U	ug/l	10
1,4-Dichlorobenzene		10	U	ug/l	10
Benzyl Alcohol		10	U	ug/l	10
1,2-Dichlorobenzene		10	U	ug/l	10
2-Methylphenol		10	U	ug/l	10
bis(2-Chloroisopropyl)ether		10	U	ug/l	10
N-Nitroso-di-n-propylamine		10	U	ug/l	10
Hexachloroethane		10	U	ug/l	10
Nitrobenzene		10	U	ug/l	10
Isophorone		10	U	ug/l	10
2-Nitrophenol		10	U	ug/l	10
2,4-Dimethylphenol		10	U	ug/l	10
Benzoic acid		50	U	ug/l	50
bis(2-Chloroethoxy)methane		10	U	ug/l	10
2,4-Dichlorophenol		10	U	ug/l	10
1,2,4-Trichlorobenzene		10	U	ug/l	10
Naphthalene		10	U	ug/l	10
4-Chloroaniline		10	U	ug/l	10
Hexachlorobutadiene		10	U	ug/l	10
4-Chloro-3-methylphenol		10	U	ug/l	10
2-Methylnaphthalene		10	U	ug/l	10
Hexachlorocyclopentadiene		10	U	ug/l	10
2,4,6-Trichlorophenol		10	U	ug/l	10
Dimethylphthalate		10	U	ug/l	10
2,4,5-Trichlorophenol		50	U	ug/l	50
2-Chloronaphthalene		10	U	ug/l	10
2-Nitroaniline		50	U	ug/l	50
Acenaphthylene		10	U	ug/l	10
2,6-Dinitrotoluene		10	U	ug/l	10
3-Nitroaniline		50	U	ug/l	50
Acenaphthene		10	U	ug/l	10
2,4-Dinitrophenol		50	U	ug/l	50
4-Nitrophenol		50	UJ	ug/l	
Dibenzofuran		10	U	ug/l	10
2,4-Dinitrotoluene		10	U	ug/l	10
Diethylphthalate		10	U	ug/l	10

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8608002			
Site	RFADATA			
Locator	150P001			
Collect Date:	24-AUG-94			
	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	10	U	ug/l	10
Fluorene	10	U	ug/l	10
4-Nitroaniline	50	U	ug/l	50
4,6-Dinitro-2-methylphenol	50	U	ug/l	50
N-Nitrosodiphenylamine (1)	10	U	ug/l	10
1,2-Diphenylhydrazine	10	U	ug/l	10
4-Bromophenyl-phenylether	10	U	ug/l	10
Hexachlorobenzene	10	U	ug/l	10
Pentachlorophenol	50	U	ug/l	50
Phenanthrene	10	U	ug/l	10
Anthracene	10	U	ug/l	10
Di-n-Butylphthalate	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10
Pyrene	10	U	ug/l	10
Butylbenzylphthalate	10	U	ug/l	10
3,3'-Dichlorobenzidine	20	U	ug/l	20
Benzo(a)anthracene	10	U	ug/l	10
Chrysene	10	U	ug/l	10
bis(2-Ethylhexyl)phthalate	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10
Benzo(b)fluoranthene	10	U	ug/l	10
Benzo(k)fluoranthene	10	U	ug/l	10
Benzo(a)pyrene	10	U	ug/l	10
Indeno(1,2,3-cd)pyrene	10	U	ug/l	10
Dibenz(a,h)anthracene	10	U	ug/l	10
Benzo(g,h,i)perylene	10	U	ug/l	10
2-Picoline	50	U	ug/l	50
Methyl methanesulfonate	10	U	ug/l	10
Ethyl methanesulfonate	10	U	ug/l	10
Acetophenone	10	U	ug/l	10
N-Nitrosopiperidine	10	U	ug/l	10
Phenyl-tert-butylamine	50	U	ug/l	50
2,6-Dichlorophenol	10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	U	ug/l	10
N-Nitrosodiethylamine	10	U	ug/l	10
N-Nitrosopyrrolidine	10	U	ug/l	10
Benzidine	50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50
Pentachlorobenzene	50	U	ug/l	50
1-Naphthylamine	50	U	ug/l	50
2-Naphthylamine	50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10
Phenacetin	10	U	ug/l	10
4-Aminobiphenyl	50	U	ug/l	50
Pentachloronitrobenzene	50	U	ug/l	50
Pronamide	10	U	ug/l	10
p-(Dimethylamino)azobenzene	10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10
3-Methylcholanthrene	10	U	ug/l	10
Pyridine	50	U	ug/l	50
N-Nitrosomethylethylamine	10	U	ug/l	10
N-Nitrosomorpholine	10	U	ug/l	10

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8608002			
Site	RFADATA			
Locator	150P001			
Collect Date:	24-AUG-94			
	VALUE	QUAL	UNITS	DL
o-Toluidine	10	U	ug/l	10
Hexachloropropene	50	U	ug/l	50
p-Phenylenediamine	500	UJ	ug/l	
Safrole	50	U	ug/l	50
Isosafrole	50	U	ug/l	50
1,4-Naphthoquinone	1000	U	ug/l	1000
1,3-Dinitrobenzene	10	U	ug/l	10
5-Nitro-o-toluidine	10	U	ug/l	10
1,3,5-Trinitrobenzene	10	UJ	ug/l	
4-Nitroquinoline-1-oxide	500	R	ug/l	
Methapyrilene	50	U	ug/l	50
3,3'-Dimethylbenzidine	10	U	ug/l	10
Hexachlorophene	500	R	ug/l	
Aramite	50	U	ug/l	50
2-Chlorophenol	10	U	ug/l	10
3- & 4-Methylphenol (2)	10	U	ug/l	10
4-Methylphenol	-		ug/l	
Diphenylamine	-		ug/l	
Hexachloropropene	50	U	ug/l	50
2-Acetylaminofluorene	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7503004			R8403002			M7503005			R8608001		
Site	RFADATA			RFADATA			RFADATA			RFADATA		
Locator	08MW001S			08MW005S			28MW001S			100P001		
Collect Date:	11-JUL-94			26-JUL-94			11-JUL-94			24-AUG-94		
	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL	VALUE	QUAL UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/l												
alpha-BHC	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
beta-BHC	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04
delta-BHC	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
gamma-BHC (Lindane)	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
Heptachlor	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
Aldrin	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
Heptachlor epoxide	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
Endosulfan I	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
Dieldrin	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
4,4-DDE	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
Endrin	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04
Endosulfan II	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04
4,4-DDD	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04
Endosulfan sulfate	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04
4,4-DDT	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04
Methoxychlor	.08	U ug/l	.08	.08	U ug/l	.08	.08	U ug/l	.08	.08	U ug/l	.08
Endrin aldehyde	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04
Endrin ketone	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04	.04	U ug/l	.04
Chlordane	.2	U ug/l	.2	.2	U ug/l	.2	.2	U ug/l	.2	.2	U ug/l	.2
Chlorobenzilate	.5	U ug/l	.5	.5	U ug/l	.5	.5	U ug/l	.5	.5	U ug/l	.5
Diallate	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1
Toxaphene	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1
Isodrin	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02	.02	U ug/l	.02
Kepone	1	U ug/l	1	1	UJ ug/l		1	U ug/l	1	1	U ug/l	1
Aroclor-1016	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1
Aroclor-1221	2	U ug/l	2	2	U ug/l	2	2	U ug/l	2	2	U ug/l	2
Aroclor-1232	2	U ug/l	2	2	U ug/l	2	2	U ug/l	2	2	U ug/l	2
Aroclor-1242	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1
Aroclor-1248	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1	1	U ug/l	1
Aroclor-1254	.5	U ug/l	.5	.5	U ug/l	.5	.5	U ug/l	.5	.5	U ug/l	.5
Aroclor-1260	.5	U ug/l	.5	.5	U ug/l	.5	.5	U ug/l	.5	.5	U ug/l	.5

U = NOT DETECTED R = RESULT IS REJECTED
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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	R8608002
Site	RFADATA
Locator	15OP001
Collect Date:	24-AUG-94

	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/l				
alpha-BHC	.02	U	ug/l	.02
beta-BHC	.04	U	ug/l	.04
delta-BHC	.02	U	ug/l	.02
gamma-BHC (Lindane)	.02	U	ug/l	.02
Heptachlor	.02	U	ug/l	.02
Aldrin	.02	U	ug/l	.02
Heptachlor epoxide	.02	U	ug/l	.02
Endosulfan I	.02	U	ug/l	.02
Dieldrin	.02	U	ug/l	.02
4,4-DDE	.02	U	ug/l	.02
Endrin	.04	U	ug/l	.04
Endosulfan II	.04	U	ug/l	.04
4,4-DDD	.04	U	ug/l	.04
Endosulfan sulfate	.04	U	ug/l	.04
4,4-DDT	.04	U	ug/l	.04
Methoxychlor	.08	U	ug/l	.08
Endrin aldehyde	.04	U	ug/l	.04
Endrin ketone	.04	U	ug/l	.04
Chlordane	.2	U	ug/l	.2
Chlorobenzilate	.5	U	ug/l	.5
Diallate	1	U	ug/l	1
Toxaphene	1	U	ug/l	1
Isodrin	.02	U	ug/l	.02
Kepone	1	UJ	ug/l	
Aroclor-1016	1	U	ug/l	1
Aroclor-1221	2	U	ug/l	2
Aroclor-1232	2	U	ug/l	2
Aroclor-1242	1	U	ug/l	1
Aroclor-1248	1	U	ug/l	1
Aroclor-1254	.5	U	ug/l	.5
Aroclor-1260	.5	U	ug/l	.5

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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7504006				M7504007				R8404002				M7504008		
Site	RFADATA				RFADATA				RFADATA				RFADATA		
Locator	08MW001S				08MW001SF				08MW005S				28MW001S		
Collect Date:	11-JUL-94				11-JUL-94				26-JUL-94				11-JUL-94		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG WATER METALS ug/l																
Antimony	2.2	U	ug/l	2.2	6.2	U	ug/l	6.2	5	U	ug/l	5	2.2	U	ug/l	2.2
Arsenic	1.1	J	ug/l		.95	J	ug/l		.6	U	ug/l	.6	4.3	J	ug/l	
Barium	3.9	J	ug/l		3.3	U	ug/l	3.3	1.4	U	ug/l	1.4	7	J	ug/l	
Beryllium	.18	U	ug/l	.18	.18	U	ug/l	.18	.3	UJ	ug/l		.18	U	ug/l	.18
Cadmium	3	U	ug/l	3	3	U	ug/l	3	1	U	ug/l	1	3	U	ug/l	3
Calcium	57900		ug/l		58800		ug/l		84500	J	ug/l		97700		ug/l	
Chromium	2.34	U	ug/l	2.34	2.34	U	ug/l	2.34	2.6	UJ	ug/l		2.34	U	ug/l	2.34
Cobalt	2.7	U	ug/l	2.7	2.7	U	ug/l	2.7	3.1	UJ	ug/l		2.7	U	ug/l	2.7
Copper	12.7	U	ug/l	12.7	12.7	U	ug/l	12.7	.9	U	ug/l	.9	12.7	U	ug/l	12.7
Cyanide	.81	U	ug/l	.81	-		ug/l		2.7	U	ug/l	2.7	.81	U	ug/l	.81
Iron	710	J	ug/l		450		ug/l		78.6	UJ	ug/l		173	J	ug/l	
Lead	.97	UJ	ug/l		1.6	U	ug/l	1.6	.6	U	ug/l	.6	.97	U	ug/l	.97
Magnesium	6180		ug/l		5730		ug/l		18800	U	ug/l	18800	10800		ug/l	
Manganese	43.6	J	ug/l		39.3	J	ug/l		23.6	UJ	ug/l		42.9	J	ug/l	
Mercury	.08	U	ug/l	.08	.08	U	ug/l	.08	.1	U	ug/l	.1	.08	U	ug/l	.08
Nickel	7.3	U	ug/l	7.3	7.3	U	ug/l	7.3	5.9	UJ	ug/l		7.6	J	ug/l	
Selenium	1.3	UJ	ug/l		1.3	UJ	ug/l		.6	U	ug/l	.6	1.3	UJ	ug/l	
Silver	2.1	U	ug/l	2.1	2.1	U	ug/l	2.1	2.1	U	ug/l	2.1	2.1	U	ug/l	2.1
Sodium	4980	J	ug/l		4940	J	ug/l		31500	U	ug/l	31500	12400	J	ug/l	
Thallium	1.5	J	ug/l		1.5	J	ug/l		.6	U	ug/l	.6	1.3	UJ	ug/l	
Tin	9.4	U	ug/l	9.4	9.4	U	ug/l	9.4	8	U	ug/l	8	9.4	U	ug/l	9.4
Vanadium	1.7	U	ug/l	1.7	1.7	U	ug/l	1.7	1.5	UJ	ug/l		4.8	J	ug/l	
Zinc	5.4	U	ug/l	5.4	7.5	U	ug/l	7.5	1.82	U	ug/l	1.82	7.9	U	ug/l	7.9

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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		R8609002			R8609003		
Site		RFADATA			RFADATA		
Locator		100P001			150P001		
Collect Date:		24-AUG-94			24-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG WATER METALS	ug/l						
Antimony		5 U	ug/l	5	5 U	ug/l	5
Arsenic		1.4 J	ug/l		1 J	ug/l	
Barium		4.7 J	ug/l		3.1 J	ug/l	
Beryllium		.3 U	ug/l	.3	.3 U	ug/l	.3
Cadmium		1 U	ug/l	1	1 U	ug/l	1
Calcium		77900	ug/l		129000	ug/l	
Chromium		2.6 U	ug/l	2.6	2.6 U	ug/l	2.6
Cobalt		3.1 U	ug/l	3.1	3.1 U	ug/l	3.1
Copper		.9 U	ug/l	.9	.9 U	ug/l	.9
Cyanide		3.6 J	ug/l		3 J	ug/l	
Iron		46.7 J	ug/l		130	ug/l	
Lead		.6 U	ug/l	.6	.6 U	ug/l	.6
Magnesium		11400	ug/l		4800 J	ug/l	
Manganese		4.5 J	ug/l		33.4	ug/l	
Mercury		.1 U	ug/l	.1	.1 U	ug/l	.1
Nickel		5.9 U	ug/l	5.9	5.9 U	ug/l	5.9
Selenium		.6 U	ug/l	.6	.6 U	ug/l	.6
Silver		2.1 U	ug/l	2.1	2.1 U	ug/l	2.1
Sodium		8910	ug/l		30800	ug/l	
Thallium		.6 U	ug/l	.6	.6 U	ug/l	.6
Tin		8 U	ug/l	8	8 U	ug/l	8
Vanadium		4.4 J	ug/l		1.9 J	ug/l	
Zinc		3.6 J	ug/l		5.4 J	ug/l	

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NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7505004				R8405002				M7505005				R8607001			
Site		RFADATA				RFADATA				RFADATA				RFADATA			
Locator		08MW001S				08MW005S				28MW001S				100P001			
Collect Date:		11-JUL-94				26-JUL-94				11-JUL-94				24-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
GROUND WATER QUALITY	mg/l																
Alkalinity as CaCO3		150		mg/l		242		mg/l		332		mg/l		207		mg/l	
Ammonia-N		.7		mg/l		1.3		mg/l		.3	U	mg/l	.3	.8	U	mg/l	.8
Chloride		5.6		mg/l		31.7		mg/l		17.1		mg/l		9.1		mg/l	
Hardness as CaCO3		180		mg/l		262		mg/l		251		mg/l		252		mg/l	
Nitrate/Nitrite-N		.1	U	mg/l	.1	.1	U	mg/l	.1	.26		mg/l		.26		mg/l	
Oil and Grease		5	U	mg/l	5	5	U	mg/l	5	5	U	mg/l	5	5	U	mg/l	5
Phosphorous-P, Total		1.08		mg/l		.81		mg/l		1.6		mg/l		.63		mg/l	
Sulfate		33.2		mg/l		36.4		mg/l		71.4		mg/l		48		mg/l	
Sulfide		1	U	mg/l	1	6		mg/l		1	U	mg/l	1	1.4		mg/l	
Total Dissolved Solids		422		mg/l		417		mg/l		442		mg/l		349		mg/l	
Total Kjeldahl Nitrogen		1.3		mg/l		3.4		mg/l		8.3		mg/l		1.7		mg/l	
Total Organic Carbon		4.6		mg/l		5.2		mg/l		5.3		mg/l		36.1		mg/l	
COLOR	APHA																
Color		70		APHA		30		APHA		50		APHA		20		APHA	
pH	units																
pH		7.6		units		7.47		units		7.3		units		7.44		units	
TOTAL PETROLEUM HYDROCARBONS	mg/l																
Total petroleum hydrocarbon		-		mg/l		-		mg/l		-		mg/l		-		mg/l	

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THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		R8607002			
Site		RFADATA			
Locator		15OP001			
Collect Date:		24-AUG-94			
		VALUE	QUAL	UNITS	DL
GROUND WATER QUALITY	mg/l				
Alkalinity as CaCO3		291		mg/l	
Ammonia-N		.8		mg/l	
Chloride		43.7		mg/l	
Hardness as CaCO3		326		mg/l	
Nitrate/Nitrite-N		.1	U	mg/l	.1
Oil and Grease		5	U	mg/l	5
Phosphorous-P, Total		.45		mg/l	
Sulfate		62.9		mg/l	
Sulfide		1	U	mg/l	1
Total Dissolved Solids		503		mg/l	
Total Kjeldahl Nitrogen		1.2		mg/l	
Total Organic Carbon		8.2		mg/l	
COLOR	APHA				
Color		5		APHA	
pH	units				
pH		7.11		units	
TOTAL PETROLEUM HYDROCARBONS	mg/l				
Total petroleum hydrocarbon		-		mg/l	

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J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7705001			M7705002			M7705006			M7705007		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		48SS00101			48SS00201			48SS00301			48SS00401		
Collect Date:		08-AUG-94			08-AUG-94			08-AUG-94			08-AUG-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg												
Chloromethane		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10	10 U	ug/kg	10
Bromomethane		11 UJ	ug/kg		10 UJ	ug/kg		10 U	ug/kg	10	10 U	ug/kg	10
Vinyl chloride		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10	10 U	ug/kg	10
Chloroethane		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10	10 U	ug/kg	10
Methylene chloride		5 U	ug/kg	5	5 U	ug/kg	5	21 U	ug/kg	21	22 U	ug/kg	22
Acetone		11 UJ	ug/kg		10 UJ	ug/kg		24 UJ	ug/kg		21 UJ	ug/kg	
Carbon disulfide		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,1-Dichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,1-Dichloroethene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichloroethene (total)		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Chloroform		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
2-Butanone		11 R	ug/kg		10 R	ug/kg		10 R	ug/kg		10 R	ug/kg	
1,1,1-Trichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Carbon tetrachloride		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Bromodichloromethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichloropropane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
cis-1,3-Dichloropropene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Trichloroethene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Dibromochloromethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,1,2-Trichloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Benzene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
trans-1,3-Dichloropropene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Bromoform		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
4-Methyl-2-pentanone		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10	10 U	ug/kg	10
2-Hexanone		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10	10 U	ug/kg	10
Tetrachloroethene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,1,2,2-Tetrachloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Toluene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Chlorobenzene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Ethylbenzene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Styrene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Xylenes (total)		5 U	ug/kg	5	2 J	ug/kg		2 J	ug/kg		8	ug/kg	
Trichlorofluoromethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,3-Dichlorobenzene		1800 U	ug/kg	1800	350 U	ug/kg	350	5 U	ug/kg	5	350 U	ug/kg	350
Acrolein		110 U	ug/kg	110	100 U	ug/kg	100	100 U	ug/kg	100	100 U	ug/kg	100
Iodomethane		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10	10 U	ug/kg	10
1,4-Dichlorobenzene		1800 U	ug/kg	1800	350 U	ug/kg	350	350 U	ug/kg	350	350 U	ug/kg	350
Acrylonitrile		110 U	ug/kg	110	100 U	ug/kg	100	100 U	ug/kg	100	100 U	ug/kg	100
Dibromomethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dichlorobenzene		1800 U	ug/kg	1800	350 U	ug/kg	350	5 U	ug/kg	5	350 U	ug/kg	350
2-Chloroethylvinylether		11 U	ug/kg	11	10 U	ug/kg	10	10 U	ug/kg	10	10 U	ug/kg	10
Ethyl methacrylate		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,2,3-Trichloropropane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
trans-1,4-Dichloro-2-butene		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
Isobutyl alcohol		220 U	ug/kg	220	210 U	ug/kg	210	210 U	ug/kg	210	210 U	ug/kg	210
1,1,1,2-Tetrachloroethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,2-Dibromo-3-chloropropane		110 U	ug/kg	110	110 U	ug/kg	110	10 U	ug/kg	10	10 U	ug/kg	10
1,2-Dibromoethane		5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5	5 U	ug/kg	5
1,4-Dioxane		220 R	ug/kg		210 R	ug/kg		210 R	ug/kg		210 R	ug/kg	

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705001				M7705002				M7705006				M7705007			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	48SS00101				48SS00201				48SS00301				48SS00401			
Collect Date:	08-AUG-94				08-AUG-94				08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100
Chloroprene	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Pentachloroethane	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10
Propionitrile	110	U	ug/kg	110	100	U	ug/kg	100	100	U	ug/kg	100	100	U	ug/kg	100
Vinyl acetate	11	U	ug/kg	11	10	U	ug/kg	10	10	U	ug/kg	10	10	U	ug/kg	10

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NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7705008				M7705004			
Site		RFADATA				RFADATA			
Locator		48SS00401D				48SS00501			
Collect Date:		08-AUG-94				08-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg								
Chloromethane		10	U	ug/kg	10	10	U	ug/kg	10
Bromomethane		10	U	ug/kg	10	10	UJ	ug/kg	
Vinyl chloride		10	U	ug/kg	10	10	U	ug/kg	10
Chloroethane		10	U	ug/kg	10	10	U	ug/kg	10
Methylene chloride		21	U	ug/kg	21	5	U	ug/kg	5
Acetone		24	UJ	ug/kg		10	UJ	ug/kg	
Carbon disulfide		2	J	ug/kg		5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		10	R	ug/kg		10	R	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		10	U	ug/kg	10	10	U	ug/kg	10
2-Hexanone		10	U	ug/kg	10	10	U	ug/kg	10
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		9		ug/kg		1	J	ug/kg	
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		5	U	ug/kg	5	1800	U	ug/kg	1800
Acrolein		100	U	ug/kg	100	100	U	ug/kg	100
Iodomethane		10	U	ug/kg	10	10	U	ug/kg	10
1,4-Dichlorobenzene		5	U	ug/kg	5	1800	U	ug/kg	1800
Acrylonitrile		100	U	ug/kg	100	100	U	ug/kg	100
Dibromomethane		5	U	ug/kg	5	5	U	ug/kg	5

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705008				M7705004			
Site	RFADATA				RFADATA			
Locator	48SS00401D				48SS00501			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
1,2-Dichlorobenzene	350	U	ug/kg	350	1800	U	ug/kg	1800
2-Chloroethylvinylether	10	U	ug/kg	10	10	U	ug/kg	10
Ethyl methacrylate	5	U	ug/kg	5	5	U	ug/kg	5
1,2,3-Trichloropropane	5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene	5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol	210	U	ug/kg	210	210	U	ug/kg	210
1,1,1,2-Tetrachloroethane	5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromo-3-chloropropane	10	U	ug/kg	10	110	U	ug/kg	110
1,2-Dibromoethane	5	U	ug/kg	5	5	U	ug/kg	5
1,4-Dioxane	210	R	ug/kg		210	R	ug/kg	
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	100	U	ug/kg	100	100	U	ug/kg	100
Chloroprene	-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	10	U	ug/kg	10	10	U	ug/kg	10
Pentachloroethane	10	U	ug/kg	10	10	U	ug/kg	10
Propionitrile	100	U	ug/kg	100	100	U	ug/kg	100
Vinyl acetate	10	U	ug/kg	10	10	U	ug/kg	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705001				M7705002				M7705006				M7705007			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	48SS00101				48SS00201				48SS00301				48SS00401			
Collect Date:	08-AUG-94				08-AUG-94				08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24) ug/kg																
N-Nitrosodimethylamine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Phenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Aniline	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
bis (2-Chloroethyl) ether	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
1,3-Dichlorobenzene	1800	U	ug/kg	1800	350	U	ug/kg	350	5	U	ug/kg	5	350	U	ug/kg	350
1,4-Dichlorobenzene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzyl Alcohol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
1,2-Dichlorobenzene	1800	U	ug/kg	1800	350	U	ug/kg	350	5	U	ug/kg	5	350	U	ug/kg	350
2-Methylphenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
bis(2-Chloroisopropyl)ether	1800	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
N-Nitroso-di-n-propylamine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Hexachloroethane	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Nitrobenzene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Isophorone	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2-Nitrophenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dimethylphenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzoic acid	8700	R	ug/kg		1800	R	ug/kg		1700	R	ug/kg		1800	R	ug/kg	
bis(2-Chloroethoxy)methane	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dichlorophenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
1,2,4-Trichlorobenzene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Naphthalene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
4-Chloroaniline	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorobutadiene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
4-Chloro-3-methylphenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2-Methylnaphthalene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorocyclopentadiene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2,4,6-Trichlorophenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Dimethylphthalate	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2,4,5-Trichlorophenol	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
2-Chloronaphthalene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2-Nitroaniline	8700	UJ	ug/kg		1800	UJ	ug/kg		1700	UJ	ug/kg		1800	UJ	ug/kg	
Acenaphthylene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2,6-Dinitrotoluene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
3-Nitroaniline	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Acenaphthene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dinitrophenol	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
4-Nitrophenol	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Dibenzofuran	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2,4-Dinitrotoluene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Diethylphthalate	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
4-Chlorophenyl-phenylether	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Fluorene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
4-Nitroaniline	8700	UJ	ug/kg		1800	UJ	ug/kg		1700	UJ	ug/kg		1800	UJ	ug/kg	
4,6-Dinitro-2-methylphenol	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
N-Nitrosodiphenylamine (1)	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
1,2-Diphenylhydrazine	1800	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
4-Bromophenyl-phenylether	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorobenzene	1800	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
Pentachlorophenol	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Phenanthrene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705001				M7705002				M7705006				M7705007			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	48SS00101				48SS00201				48SS00301				48SS00401			
Collect Date:	08-AUG-94				08-AUG-94				08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-Butylphthalate	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Fluoranthene	1800	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
Pyrene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Butylbenzylphthalate	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
3,3'-Dichlorobenzidine	3500	U	ug/kg	3500	710	U	ug/kg	710	700	U	ug/kg	700	710	U	ug/kg	710
Benzo(a)anthracene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Chrysene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
bis(2-Ethylhexyl)phthalate	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Di-n-octylphthalate	1800	U	ug/kg	1800	22	J	ug/kg		350	U	ug/kg	350	350	U	ug/kg	350
Benzo(b)fluoranthene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(k)fluoranthene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(a)pyrene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Indeno(1,2,3-cd)pyrene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Dibenz(a,h)anthracene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzo(g,h,i)perylene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
2-Picoline	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Methyl methanesulfonate	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Ethyl methanesulfonate	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Acetophenone	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosopiperidine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Phenyl-tert-butylamine	8700	UJ	ug/kg		1800	UJ	ug/kg		1700	UJ	ug/kg		1800	UJ	ug/kg	
2,6-Dichlorophenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitroso-di-n-butylamine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosodiethylamine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosopyrrolidine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Benzidine	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
1,2,4,5-Tetrachlorobenzene	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Pentachlorobenzene	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
1-Naphthylamine	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
2-Naphthylamine	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
2,3,4,6-Tetrachlorophenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Phenacetin	1800	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg		350	UJ	ug/kg	
4-Aminobiphenyl	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Pentachloronitrobenzene	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Pronamide	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
p-(Dimethylamino)azobenzene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
7,12-Dimethylbenz(A)Anthracene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
3-Methylcholanthrene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Pyridine	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
N-Nitrosomethylethylamine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
N-Nitrosomorpholine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
o-Toluidine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Hexachloropropene	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
p-Phenylenediamine	87000	UJ	ug/kg		18000	UJ	ug/kg		17000	UJ	ug/kg		18000	UJ	ug/kg	
Safrole	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
Isosafrole	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
1,4-Naphthoquinone	170000	U	ug/kg	170000	35000	U	ug/kg	35000	35000	U	ug/kg	35000	35000	U	ug/kg	35000
1,3-Dinitrobenzene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
5-Nitro-o-toluidine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
1,3,5-Trinitrobenzene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
4-Nitroquinoline-1-oxide	87000	U	ug/kg	87000	18000	U	ug/kg	18000	17000	U	ug/kg	17000	18000	U	ug/kg	18000

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705001				M7705002				M7705006				M7705007			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	48SS00101				48SS00201				48SS00301				48SS00401			
Collect Date:	08-AUG-94				08-AUG-94				08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	8700	UJ	ug/kg		1800	UJ	ug/kg		1700	UJ	ug/kg		1800	UJ	ug/kg	
3,3'-Dimethylbenzidine	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
Hexachlorophene	87000	R	ug/kg		18000	R	ug/kg		17000	R	ug/kg		18000	R	ug/kg	
Aramite	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
2-Chlorophenol	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
3- & 4-Methylphenol (2)	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350
4-Methylphenol	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg		-		ug/kg		-		ug/kg	
Hexachloropropene	8700	U	ug/kg	8700	1800	U	ug/kg	1800	1700	U	ug/kg	1700	1800	U	ug/kg	1800
2-Acetylaminofluorene	1800	U	ug/kg	1800	350	U	ug/kg	350	350	U	ug/kg	350	350	U	ug/kg	350

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705008				M7705004			
Site	RFADATA				RFADATA			
Locator	48SS00401D				48SS00501			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24) ug/kg								
N-Nitrosodimethylamine	350	U	ug/kg	350	1800	U	ug/kg	1800
Phenol	350	U	ug/kg	350	1800	U	ug/kg	1800
Aniline	350	U	ug/kg	350	1800	U	ug/kg	1800
bis (2-Chloroethyl) ether	350	U	ug/kg	350	1800	U	ug/kg	1800
1,3-Dichlorobenzene	5	U	ug/kg	5	1800	U	ug/kg	1800
1,4-Dichlorobenzene	5	U	ug/kg	5	1800	U	ug/kg	1800
Benzyl Alcohol	350	U	ug/kg	350	1800	U	ug/kg	1800
1,2-Dichlorobenzene	350	U	ug/kg	350	1800	U	ug/kg	1800
2-Methylphenol	350	U	ug/kg	350	1800	U	ug/kg	1800
bis(2-Chloroisopropyl)ether	350	UJ	ug/kg		1800	UJ	ug/kg	
N-Nitroso-di-n-propylamine	350	U	ug/kg	350	1800	U	ug/kg	1800
Hexachloroethane	350	U	ug/kg	350	1800	U	ug/kg	1800
Nitrobenzene	350	U	ug/kg	350	1800	U	ug/kg	1800
Isophorone	350	U	ug/kg	350	1800	U	ug/kg	1800
2-Nitrophenol	350	U	ug/kg	350	1800	U	ug/kg	1800
2,4-Dimethylphenol	350	U	ug/kg	350	1800	U	ug/kg	1800
Benzoic acid	1700	R	ug/kg		8800	R	ug/kg	
bis(2-Chloroethoxy)methane	350	U	ug/kg	350	1800	U	ug/kg	1800
2,4-Dichlorophenol	350	U	ug/kg	350	1800	U	ug/kg	1800
1,2,4-Trichlorobenzene	350	U	ug/kg	350	1800	U	ug/kg	1800
Naphthalene	350	U	ug/kg	350	1800	U	ug/kg	1800
4-Chloroaniline	350	U	ug/kg	350	1800	U	ug/kg	1800
Hexachlorobutadiene	350	U	ug/kg	350	1800	U	ug/kg	1800
4-Chloro-3-methylphenol	350	U	ug/kg	350	1800	U	ug/kg	1800
2-Methylnaphthalene	350	U	ug/kg	350	1800	U	ug/kg	1800
Hexachlorocyclopentadiene	350	U	ug/kg	350	1800	U	ug/kg	1800
2,4,6-Trichlorophenol	350	U	ug/kg	350	1800	U	ug/kg	1800
Dimethylphthalate	350	U	ug/kg	350	1800	U	ug/kg	1800
2,4,5-Trichlorophenol	1700	U	ug/kg	1700	8800	U	ug/kg	8800
2-Chloronaphthalene	350	U	ug/kg	350	1800	U	ug/kg	1800
2-Nitroaniline	1700	UJ	ug/kg		8800	UJ	ug/kg	
Acenaphthylene	350	U	ug/kg	350	1800	U	ug/kg	1800
2,6-Dinitrotoluene	350	U	ug/kg	350	1800	U	ug/kg	1800
3-Nitroaniline	1700	U	ug/kg	1700	8800	U	ug/kg	8800
Acenaphthene	350	U	ug/kg	350	1800	U	ug/kg	1800
2,4-Dinitrophenol	1700	U	ug/kg	1700	8800	U	ug/kg	8800
4-Nitrophenol	1700	U	ug/kg	1700	8800	U	ug/kg	8800
Dibenzofuran	350	U	ug/kg	350	1800	U	ug/kg	1800
2,4-Dinitrotoluene	350	U	ug/kg	350	1800	U	ug/kg	1800
Diethylphthalate	350	U	ug/kg	350	1800	U	ug/kg	1800

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705008				M7705004			
Site	RFADATA				RFADATA			
Locator	48SS00401D				48SS00501			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
4-Chlorophenyl-phenylether	350	U	ug/kg	350	1800	U	ug/kg	1800
Fluorene	350	U	ug/kg	350	1800	U	ug/kg	1800
4-Nitroaniline	1700	UJ	ug/kg		8800	UJ	ug/kg	
4,6-Dinitro-2-methylphenol	1700	U	ug/kg	1700	8800	U	ug/kg	8800
N-Nitrosodiphenylamine (1)	350	U	ug/kg	350	1800	U	ug/kg	1800
1,2-Diphenylhydrazine	350	UJ	ug/kg		1800	UJ	ug/kg	
4-Bromophenyl-phenylether	350	U	ug/kg	350	1800	U	ug/kg	1800
Hexachlorobenzene	350	UJ	ug/kg		1800	UJ	ug/kg	
Pentachlorophenol	1700	U	ug/kg	1700	8800	U	ug/kg	8800
Phenanthrene	350	U	ug/kg	350	1800	U	ug/kg	1800
Anthracene	350	U	ug/kg	350	1800	U	ug/kg	1800
Di-n-Butylphthalate	350	U	ug/kg	350	1800	U	ug/kg	1800
Fluoranthene	32	J	ug/kg		1800	UJ	ug/kg	
Pyrene	32	J	ug/kg		1800	U	ug/kg	1800
Butylbenzylphthalate	350	U	ug/kg	350	1800	U	ug/kg	1800
3,3'-Dichlorobenzidine	690	U	ug/kg	690	3500	U	ug/kg	3500
Benzo(a)anthracene	26	J	ug/kg		1800	U	ug/kg	1800
Chrysene	30	J	ug/kg		1800	U	ug/kg	1800
bis(2-Ethylhexyl)phthalate	350	U	ug/kg	350	1800	U	ug/kg	1800
Di-n-octylphthalate	350	U	ug/kg	350	1800	U	ug/kg	1800
Benzo(b)fluoranthene	21	J	ug/kg		1800	U	ug/kg	1800
Benzo(k)fluoranthene	18	J	ug/kg		1800	U	ug/kg	1800
Benzo(a)pyrene	350	U	ug/kg	350	1800	U	ug/kg	1800
Indeno(1,2,3-cd)pyrene	350	U	ug/kg	350	1800	U	ug/kg	1800
Dibenz(a,h)anthracene	350	U	ug/kg	350	1800	U	ug/kg	1800
Benzo(g,h,i)perylene	350	U	ug/kg	350	1800	U	ug/kg	1800
2-Picoline	1700	U	ug/kg	1700	8800	U	ug/kg	8800
Methyl methanesulfonate	350	U	ug/kg	350	1800	U	ug/kg	1800
Ethyl methanesulfonate	350	U	ug/kg	350	1800	U	ug/kg	1800
Acetophenone	350	U	ug/kg	350	1800	U	ug/kg	1800
N-Nitrosopiperidine	350	U	ug/kg	350	1800	U	ug/kg	1800
Phenyl-tert-butylamine	1700	UJ	ug/kg		8800	UJ	ug/kg	
2,6-Dichlorophenol	350	U	ug/kg	350	1800	U	ug/kg	1800
N-Nitroso-di-n-butylamine	350	U	ug/kg	350	1800	U	ug/kg	1800
N-Nitrosodiethylamine	350	U	ug/kg	350	1800	U	ug/kg	1800
N-Nitrosopyrrolidine	350	U	ug/kg	350	1800	U	ug/kg	1800
Benzidine	1700	U	ug/kg	1700	8800	U	ug/kg	8800
1,2,4,5-Tetrachlorobenzene	1700	U	ug/kg	1700	8800	U	ug/kg	8800
Pentachlorobenzene	1700	U	ug/kg	1700	8800	U	ug/kg	8800
1-Naphthylamine	1700	U	ug/kg	1700	8800	U	ug/kg	8800
2-Naphthylamine	1700	U	ug/kg	1700	8800	U	ug/kg	8800
2,3,4,6-Tetrachlorophenol	350	U	ug/kg	350	1800	U	ug/kg	1800
Phenacetin	350	UJ	ug/kg		1800	UJ	ug/kg	
4-Aminobiphenyl	1700	U	ug/kg	1700	8800	U	ug/kg	8800
Pentachloronitrobenzene	1700	U	ug/kg	1700	8800	U	ug/kg	8800
Pronamide	350	U	ug/kg	350	1800	U	ug/kg	1800
p-(Dimethylamino)azobenzene	350	U	ug/kg	350	1800	U	ug/kg	1800
7,12-Dimethylbenz(A)Anthracene	350	U	ug/kg	350	1800	U	ug/kg	1800
3-Methylcholanthrene	350	U	ug/kg	350	1800	U	ug/kg	1800
Pyridine	1700	U	ug/kg	1700	8800	U	ug/kg	8800
N-Nitrosomethylethylamine	350	U	ug/kg	350	1800	U	ug/kg	1800
N-Nitrosomorpholine	350	U	ug/kg	350	1800	U	ug/kg	1800

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705008				M7705004			
Site	RFADATA				RFADATA			
Locator	48SS00401D				48SS00501			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
o-Toluidine	350	U	ug/kg	350	1800	U	ug/kg	1800
Hexachloropropene	1700	U	ug/kg	1700	8800	U	ug/kg	8800
p-Phenylenediamine	17000	UJ	ug/kg		88000	UJ	ug/kg	
Safrole	1700	U	ug/kg	1700	8800	U	ug/kg	8800
Isosafrole	1700	U	ug/kg	1700	8800	U	ug/kg	8800
1,4-Naphthoquinone	34000	U	ug/kg	34000	180000	U	ug/kg	180000
1,3-Dinitrobenzene	350	U	ug/kg	350	1800	U	ug/kg	1800
5-Nitro-o-toluidine	350	U	ug/kg	350	1800	U	ug/kg	1800
1,3,5-Trinitrobenzene	350	U	ug/kg	350	1800	U	ug/kg	1800
4-Nitroquinoline-1-oxide	17000	U	ug/kg	17000	88000	U	ug/kg	88000
Methapyrilene	1700	UJ	ug/kg		8800	UJ	ug/kg	
3,3'-Dimethylbenzidine	350	U	ug/kg	350	1800	U	ug/kg	1800
Hexachlorophene	17000	R	ug/kg		88000	R	ug/kg	
Aramite	1700	U	ug/kg	1700	8800	U	ug/kg	8800
2-Chlorophenol	350	U	ug/kg	350	1800	U	ug/kg	1800
3- & 4-Methylphenol (2)	350	U	ug/kg	350	1800	U	ug/kg	1800
4-Methylphenol	-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg	
Hexachloropropene	1700	U	ug/kg	1700	8800	U	ug/kg	8800
2-Acetylaminofluorene	350	U	ug/kg	350	1800	U	ug/kg	1800

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705001				M7705002				M7705006				M7705007			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	48SS00101				48SS00201				48SS00301				48SS00401			
Collect Date:	08-AUG-94				08-AUG-94				08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg																
alpha-BHC	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
beta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
delta-BHC	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
gamma-BHC (Lindane)	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
Heptachlor	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
Aldrin	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
Heptachlor epoxide	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
Endosulfan I	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
Dieldrin	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
4,4-DDE	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
Endrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan II	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDD	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDT	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Methoxychlor	2.8	U	ug/kg	2.8	2.9	U	ug/kg	2.9	2.8	U	ug/kg	2.8	2.9	U	ug/kg	2.9
Endrin aldehyde	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endrin ketone	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Chlordane	7.1	U	ug/kg	7.1	7.1	U	ug/kg	7.1	7.1	U	ug/kg	7.1	7.1	U	ug/kg	7.1
Chlorobenzilate	21	U	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21	21	U	ug/kg	21
Diallate	42	U	ug/kg	42	43	U	ug/kg	43	42	U	ug/kg	42	43	U	ug/kg	43
Toxaphene	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35
Isodrin	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71	.71	U	ug/kg	.71
Kepone	42	UJ	ug/kg		42	UJ	ug/kg		42	UJ	ug/kg		42	UJ	ug/kg	
Aroclor-1016	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1221	71	U	ug/kg	71	71	U	ug/kg	71	71	U	ug/kg	71	71	U	ug/kg	71
Aroclor-1232	71	U	ug/kg	71	71	U	ug/kg	71	71	U	ug/kg	71	71	U	ug/kg	71
Aroclor-1242	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1248	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35	35	U	ug/kg	35
Aroclor-1254	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18
Aroclor-1260	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18	18	U	ug/kg	18

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:	M7705008				M7705004			
Site	RFADATA				RFADATA			
Locator	48SS00401D				48SS00501			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg								
alpha-BHC	.7	U	ug/kg	.7	.71	U	ug/kg	.71
beta-BHC	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
delta-BHC	.7	U	ug/kg	.7	.71	U	ug/kg	.71
gamma-BHC (Lindane)	.7	U	ug/kg	.7	.71	U	ug/kg	.71
Heptachlor	.7	U	ug/kg	.7	.71	U	ug/kg	.71
Aldrin	.7	U	ug/kg	.7	.71	U	ug/kg	.71
Heptachlor epoxide	.7	U	ug/kg	.7	.71	U	ug/kg	.71
Endosulfan I	.7	U	ug/kg	.7	.71	U	ug/kg	.71
Dieldrin	.7	U	ug/kg	.7	.71	U	ug/kg	.71
4,4-DDE	.7	U	ug/kg	.7	.71	U	ug/kg	.71
Endrin	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan II	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDD	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
4,4-DDT	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Methoxychlor	2.8	U	ug/kg	2.8	2.9	U	ug/kg	2.9
Endrin aldehyde	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Endrin ketone	1.4	U	ug/kg	1.4	1.4	U	ug/kg	1.4
Chlordane	7	U	ug/kg	7	7.1	U	ug/kg	7.1
Chlorobenzilate	21	U	ug/kg	21	21	U	ug/kg	21
Diallate	42	U	ug/kg	42	43	U	ug/kg	43
Toxaphene	34	U	ug/kg	34	35	U	ug/kg	35
Isodrin	.7	U	ug/kg	.7	.71	U	ug/kg	.71
Kepone	42	UJ	ug/kg		42	UJ	ug/kg	
Aroclor-1016	34	U	ug/kg	34	35	U	ug/kg	35
Aroclor-1221	70	U	ug/kg	70	71	U	ug/kg	71
Aroclor-1232	70	U	ug/kg	70	71	U	ug/kg	71
Aroclor-1242	34	U	ug/kg	34	35	U	ug/kg	35
Aroclor-1248	34	U	ug/kg	34	35	U	ug/kg	35
Aroclor-1254	18	U	ug/kg	18	18	U	ug/kg	18
Aroclor-1260	18	U	ug/kg	18	18	U	ug/kg	18

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

RF[illegible]TA MAYPORT
[illegible]face Soil Data

Lab Sample Number:	M7705001			M7705002			M7705006			M7705007		
Site	RFADATA			RFADATA			RFADATA			RFADATA		
Locator	48SS00101			48SS00201			48SS00301			48SS00401		
Collect Date:	08-AUG-94			08-AUG-94			08-AUG-94			08-AUG-94		
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS			mg/kg													
Antimony	.46	U	mg/kg	.46	.78	J	mg/kg		.47	U	mg/kg	.47	.46	U	mg/kg	.46
Arsenic	.31	J	mg/kg		.23	J	mg/kg		.28	J	mg/kg		.48	J	mg/kg	
Barium	5	J	mg/kg		5.2	J	mg/kg		6.1	J	mg/kg		8.8	J	mg/kg	
Beryllium	.09	U	mg/kg	.09	.04	U	mg/kg	.04	.06	U	mg/kg	.06	.21	U	mg/kg	.21
Cadmium	.63	U	mg/kg	.63	.64	U	mg/kg	.64	.64	U	mg/kg	.64	.63	U	mg/kg	.63
Chromium	2.4		mg/kg		2.8		mg/kg		3.1		mg/kg		5.2		mg/kg	
Cobalt	.56	U	mg/kg	.56	.56	U	mg/kg	.56	.56	U	mg/kg	.56	.57	J	mg/kg	
Copper	1.4	U	mg/kg	1.4	2.7	U	mg/kg	2.7	.84	UJ	mg/kg		.98	U	mg/kg	.98
Cyanide	.03	U	mg/kg	.03	.04	J	mg/kg		.04	J	mg/kg		.03	U	mg/kg	.03
Lead	2.9	U	mg/kg	2.9	3.8	J	mg/kg		2.7	U	mg/kg	2.7	7.5	J	mg/kg	
Mercury	.08	UJ	mg/kg		.08	UJ	mg/kg		.08	UJ	mg/kg		.08	UJ	mg/kg	
Nickel	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5	1.5	U	mg/kg	1.5
Selenium	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28	.28	U	mg/kg	.28
Silver	.43	U	mg/kg	.43	.44	U	mg/kg	.44	.44	U	mg/kg	.44	.43	U	mg/kg	.43
Thallium	.27	UJ	mg/kg		.29	J	mg/kg		.27	UJ	mg/kg		.27	UJ	mg/kg	
Tin	2.8	J	mg/kg		2.7	J	mg/kg		2.7	J	mg/kg		2	U	mg/kg	2
Vanadium	2.1	J	mg/kg		2.2	J	mg/kg		2.6	J	mg/kg		4.7	J	mg/kg	
Zinc	2.5	U	mg/kg	2.5	2.1	U	mg/kg	2.1	7.1	J	mg/kg		8.1	J	mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Surface Soil Data

Lab Sample Number:		M7705008				M7705004			
Site		RFADATA				RFADATA			
Locator		48SS00401D				48SS00501			
Collect Date:		08-AUG-94				08-AUG-94			
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS	mg/kg								
Antimony		.46	UJ	mg/kg		.47	U	mg/kg	.47
Arsenic		.54	J	mg/kg		.7	J	mg/kg	
Barium		7.7	J	mg/kg		5.1	J	mg/kg	
Beryllium		.12	U	mg/kg	.12	.12	U	mg/kg	.12
Cadmium		.63	U	mg/kg	.63	.64	U	mg/kg	.64
Chromium		4		mg/kg		3		mg/kg	
Cobalt		.56	U	mg/kg	.56	.57	U	mg/kg	.57
Copper		16.1	J	mg/kg		1.2	U	mg/kg	1.2
Cyanide		.03	U	mg/kg	.03	.03	U	mg/kg	.03
Lead		2.9	U	mg/kg	2.9	1.8	U	mg/kg	1.8
Mercury		.08	UJ	mg/kg		.08	J	mg/kg	
Nickel		3.6	J	mg/kg		1.5	U	mg/kg	1.5
Selenium		.28	U	mg/kg	.28	.28	U	mg/kg	.28
Silver		.43	U	mg/kg	.43	.44	U	mg/kg	.44
Thallium		.27	UJ	mg/kg		.27	UJ	mg/kg	
Tin		3	J	mg/kg		2.5	J	mg/kg	
Vanadium		2.9	J	mg/kg		3	J	mg/kg	
Zinc		14	J	mg/kg		4.5	U	mg/kg	4.5

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		M7705003				M7705005		
Site		RFADATA				RFADATA		
Locator		48BS00205				48BS00505		
Collect Date:		08-AUG-94				08-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/kg								
Chloromethane		11	U	ug/kg	11	11	U	ug/kg	11
Bromomethane		11	UJ	ug/kg		11	U	ug/kg	11
Vinyl chloride		11	U	ug/kg	11	11	U	ug/kg	11
Chloroethane		11	U	ug/kg	11	11	U	ug/kg	11
Methylene chloride		5	U	ug/kg	5	22	U	ug/kg	22
Acetone		21	UJ	ug/kg		27	UJ	ug/kg	
Carbon disulfide		5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5
1,1-Dichloroethene		5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethene (total)		5	U	ug/kg	5	5	U	ug/kg	5
Chloroform		5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloroethane		5	U	ug/kg	5	5	U	ug/kg	5
2-Butanone		11	R	ug/kg		11	R	ug/kg	
1,1,1-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5
Carbon tetrachloride		5	U	ug/kg	5	5	U	ug/kg	5
Bromodichloromethane		5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dichloropropane		5	U	ug/kg	5	5	U	ug/kg	5
cis-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5
Trichloroethene		5	U	ug/kg	5	5	U	ug/kg	5
Dibromochloromethane		5	U	ug/kg	5	5	U	ug/kg	5
1,1,2-Trichloroethane		5	U	ug/kg	5	5	U	ug/kg	5
Benzene		5	U	ug/kg	5	5	U	ug/kg	5
trans-1,3-Dichloropropene		5	U	ug/kg	5	5	U	ug/kg	5
Bromoform		5	U	ug/kg	5	5	U	ug/kg	5
4-Methyl-2-pentanone		11	U	ug/kg	11	11	U	ug/kg	11
2-Hexanone		11	U	ug/kg	11	11	U	ug/kg	11
Tetrachloroethene		5	U	ug/kg	5	5	U	ug/kg	5
1,1,2,2-Tetrachloroethane		5	U	ug/kg	5	5	U	ug/kg	5
Toluene		5	U	ug/kg	5	5	U	ug/kg	5
Chlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5
Ethylbenzene		5	U	ug/kg	5	5	U	ug/kg	5
Styrene		5	U	ug/kg	5	5	U	ug/kg	5
Xylenes (total)		5	U	ug/kg	5	5	U	ug/kg	5
Trichlorofluoromethane		5	U	ug/kg	5	5	U	ug/kg	5
1,3-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5
Acrolein		380	U	ug/kg	380	350	U	ug/kg	350
Iodomethane		110	U	ug/kg	110	110	U	ug/kg	110
1,4-Dichlorobenzene		11	U	ug/kg	11	11	U	ug/kg	11
Acrylonitrile		380	U	ug/kg	380	350	U	ug/kg	350
Dibromomethane		110	U	ug/kg	110	110	U	ug/kg	110
1,2-Dichlorobenzene		5	U	ug/kg	5	5	U	ug/kg	5
2-Chloroethylvinylether		380	U	ug/kg	380	350	U	ug/kg	350
Ethyl methacrylate		11	U	ug/kg	11	11	U	ug/kg	11
1,2,3-Trichloropropane		5	U	ug/kg	5	5	U	ug/kg	5
trans-1,4-Dichloro-2-butene		5	U	ug/kg	5	5	U	ug/kg	5
Isobutyl alcohol		5	U	ug/kg	5	5	U	ug/kg	5
1,1,1,2-Tetrachloroethane		210	U	ug/kg	210	210	U	ug/kg	210
1,2-Dibromo-3-chloropropane		5	U	ug/kg	5	5	U	ug/kg	5
1,2-Dibromoethane		110	U	ug/kg	110	11	U	ug/kg	11
1,4-Dioxane		5	U	ug/kg	5	5	U	ug/kg	5
		210	R	ug/kg		210	R	ug/kg	

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7705003				M7705005			
Site	RFADATA				RFADATA			
Locator	48BS00205				48BS00505			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	U	ug/kg	5	5	U	ug/kg	5
Acetonitrile	110	U	ug/kg	110	110	U	ug/kg	110
Chloroprene	-		ug/kg		-		ug/kg	
Methacrylonitrile	5	U	ug/kg	5	5	U	ug/kg	5
Methyl methacrylate	11	U	ug/kg	11	11	U	ug/kg	11
Pentachloroethane	11	U	ug/kg	11	11	U	ug/kg	11
Propionitrile	110	U	ug/kg	110	110	U	ug/kg	110
Vinyl acetate	11	U	ug/kg	11	11	U	ug/kg	11

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:		M7705003				M7705005		
Site		RFADATA				RFADATA		
Locator		48BS00205				48BS00505		
Collect Date:		08-AUG-94				08-AUG-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/kg								
N-Nitrosodimethylamine		380	U	ug/kg	380	350	U	ug/kg	350
Phenol		380	U	ug/kg	380	350	U	ug/kg	350
Aniline		380	U	ug/kg	380	350	U	ug/kg	350
bis (2-Chloroethyl) ether		380	U	ug/kg	380	350	U	ug/kg	350
1,3-Dichlorobenzene		380	U	ug/kg	380	350	U	ug/kg	350
1,4-Dichlorobenzene		380	U	ug/kg	380	350	U	ug/kg	350
Benzyl Alcohol		380	U	ug/kg	380	350	U	ug/kg	350
1,2-Dichlorobenzene		380	U	ug/kg	380	350	U	ug/kg	350
2-Methylphenol		380	U	ug/kg	380	350	U	ug/kg	350
bis(2-Chloroisopropyl)ether		380	UJ	ug/kg		350	UJ	ug/kg	
N-Nitroso-di-n-propylamine		380	U	ug/kg	380	350	U	ug/kg	350
Hexachloroethane		380	U	ug/kg	380	350	U	ug/kg	350
Nitrobenzene		380	U	ug/kg	380	350	U	ug/kg	350
Isophorone		380	U	ug/kg	380	350	U	ug/kg	350
2-Nitrophenol		380	U	ug/kg	380	350	U	ug/kg	350
2,4-Dimethylphenol		380	U	ug/kg	380	350	U	ug/kg	350
Benzoic acid		1900	R	ug/kg		1700	R	ug/kg	
bis(2-Chloroethoxy)methane		380	U	ug/kg	380	350	U	ug/kg	350
2,4-Dichlorophenol		380	U	ug/kg	380	350	U	ug/kg	350
1,2,4-Trichlorobenzene		380	U	ug/kg	380	350	U	ug/kg	350
Naphthalene		380	U	ug/kg	380	350	U	ug/kg	350
4-Chloroaniline		380	U	ug/kg	380	350	U	ug/kg	350
Hexachlorobutadiene		380	U	ug/kg	380	350	U	ug/kg	350
4-Chloro-3-methylphenol		380	U	ug/kg	380	350	U	ug/kg	350
2-Methylnaphthalene		380	U	ug/kg	380	350	U	ug/kg	350
Hexachlorocyclopentadiene		380	U	ug/kg	380	350	U	ug/kg	350
2,4,6-Trichlorophenol		380	U	ug/kg	380	350	U	ug/kg	350
Dimethylphthalate		380	U	ug/kg	380	350	U	ug/kg	350
2,4,5-Trichlorophenol		1900	U	ug/kg	1900	1700	U	ug/kg	1700
2-Chloronaphthalene		380	U	ug/kg	380	350	U	ug/kg	350
2-Nitroaniline		1900	UJ	ug/kg		1700	UJ	ug/kg	
Acenaphthylene		380	U	ug/kg	380	350	U	ug/kg	350
2,6-Dinitrotoluene		380	U	ug/kg	380	350	U	ug/kg	350
3-Nitroaniline		1900	U	ug/kg	1900	1700	U	ug/kg	1700
Acenaphthene		380	U	ug/kg	380	350	U	ug/kg	350
2,4-Dinitrophenol		1900	U	ug/kg	1900	1700	U	ug/kg	1700
4-Nitrophenol		1900	U	ug/kg	1900	1700	U	ug/kg	1700
Dibenzofuran		380	U	ug/kg	380	350	U	ug/kg	350
2,4-Dinitrotoluene		380	U	ug/kg	380	350	U	ug/kg	350
Diethylphthalate		380	U	ug/kg	380	350	U	ug/kg	350
4-Chlorophenyl-phenylether		380	U	ug/kg	380	350	U	ug/kg	350
Fluorene		380	U	ug/kg	380	350	U	ug/kg	350
4-Nitroaniline		1900	UJ	ug/kg		1700	UJ	ug/kg	
4,6-Dinitro-2-methylphenol		1900	U	ug/kg	1900	1700	U	ug/kg	1700
N-Nitrosodiphenylamine (1)		380	U	ug/kg	380	350	U	ug/kg	350
1,2-Diphenylhydrazine		380	UJ	ug/kg		350	UJ	ug/kg	
4-Bromophenyl-phenylether		380	U	ug/kg	380	350	U	ug/kg	350
Hexachlorobenzene		380	UJ	ug/kg		350	UJ	ug/kg	
Pentachlorophenol		1900	U	ug/kg	1900	1700	U	ug/kg	1700
Phenanthrene		380	U	ug/kg	380	350	U	ug/kg	350

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7705003				M7705005			
Site	RFADATA				RFADATA			
Locator	48BS00205				48BS00505			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	380	U	ug/kg	380	350	U	ug/kg	350
Di-n-Butylphthalate	380	U	ug/kg	380	350	U	ug/kg	350
Fluoranthene	380	UJ	ug/kg		350	UJ	ug/kg	
Pyrene	380	U	ug/kg	380	350	U	ug/kg	350
Butylbenzylphthalate	380	U	ug/kg	380	350	U	ug/kg	350
3,3'-Dichlorobenzidine	760	U	ug/kg	760	700	U	ug/kg	700
Benzo(a)anthracene	380	U	ug/kg	380	350	U	ug/kg	350
Chrysene	380	U	ug/kg	380	350	U	ug/kg	350
bis(2-Ethylhexyl)phthalate	380	U	ug/kg	380	350	U	ug/kg	350
Di-n-octylphthalate	380	U	ug/kg	380	350	U	ug/kg	350
Benzo(b)fluoranthene	380	U	ug/kg	380	350	U	ug/kg	350
Benzo(k)fluoranthene	380	U	ug/kg	380	350	U	ug/kg	350
Benzo(a)pyrene	380	U	ug/kg	380	350	U	ug/kg	350
Indeno(1,2,3-cd)pyrene	380	U	ug/kg	380	350	U	ug/kg	350
Dibenz(a,h)anthracene	380	U	ug/kg	380	350	U	ug/kg	350
Benzo(g,h,i)perylene	380	U	ug/kg	380	350	U	ug/kg	350
2-Picoline	1900	U	ug/kg	1900	1700	U	ug/kg	1700
Methyl methanesulfonate	380	U	ug/kg	380	350	U	ug/kg	350
Ethyl methanesulfonate	380	U	ug/kg	380	350	U	ug/kg	350
Acetophenone	380	U	ug/kg	380	350	U	ug/kg	350
N-Nitrosopiperidine	380	U	ug/kg	380	350	U	ug/kg	350
Phenyl-tert-butylamine	1900	UJ	ug/kg		1700	UJ	ug/kg	
2,6-Dichlorophenol	380	U	ug/kg	380	350	U	ug/kg	350
N-Nitroso-di-n-butylamine	380	U	ug/kg	380	350	U	ug/kg	350
N-Nitrosodiethylamine	380	U	ug/kg	380	350	U	ug/kg	350
N-Nitrosopyrrolidine	380	U	ug/kg	380	350	U	ug/kg	350
Benzidine	1900	U	ug/kg	1900	1700	U	ug/kg	1700
1,2,4,5-Tetrachlorobenzene	1900	U	ug/kg	1900	1700	U	ug/kg	1700
Pentachlorobenzene	1900	U	ug/kg	1900	1700	U	ug/kg	1700
1-Naphthylamine	1900	U	ug/kg	1900	1700	U	ug/kg	1700
2-Naphthylamine	1900	U	ug/kg	1900	1700	U	ug/kg	1700
2,3,4,6-Tetrachlorophenol	380	U	ug/kg	380	350	U	ug/kg	350
Phenacetin	380	UJ	ug/kg		350	UJ	ug/kg	
4-Aminobiphenyl	1900	U	ug/kg	1900	1700	U	ug/kg	1700
Pentachloronitrobenzene	1900	U	ug/kg	1900	1700	U	ug/kg	1700
Pronamide	380	U	ug/kg	380	350	U	ug/kg	350
p-(Dimethylamino)azobenzene	380	U	ug/kg	380	350	U	ug/kg	350
7,12-Dimethylbenz(A)Anthracene	380	U	ug/kg	380	350	U	ug/kg	350
3-Methylcholanthrene	380	U	ug/kg	380	350	U	ug/kg	350
Pyridine	1900	U	ug/kg	1900	1700	U	ug/kg	1700
N-Nitrosomethylethylamine	380	U	ug/kg	380	350	U	ug/kg	350
N-Nitrosomorpholine	380	U	ug/kg	380	350	U	ug/kg	350
o-Toluidine	380	U	ug/kg	380	350	U	ug/kg	350
Hexachloropropene	1900	U	ug/kg	1900	1700	U	ug/kg	1700
p-Phenylenediamine	19000	UJ	ug/kg		17000	UJ	ug/kg	
Safrole	1900	U	ug/kg	1900	1700	U	ug/kg	1700
Isosafrole	1900	U	ug/kg	1900	1700	U	ug/kg	1700
1,4-Naphthoquinone	38000	U	ug/kg	38000	35000	U	ug/kg	35000
1,3-Dinitrobenzene	380	U	ug/kg	380	350	U	ug/kg	350
5-Nitro-o-toluidine	380	U	ug/kg	380	350	U	ug/kg	350
1,3,5-Trinitrobenzene	380	U	ug/kg	380	350	U	ug/kg	350
4-Nitroquinoline-1-oxide	19000	U	ug/kg	19000	17000	U	ug/kg	17000

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7705003				M7705005			
Site	RFADATA				RFADATA			
Locator	48BS00205				48BS00505			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	1900	UJ	ug/kg		1700	UJ	ug/kg	
3,3'-Dimethylbenzidine	380	U	ug/kg	380	350	U	ug/kg	350
Hexachlorophene	19000	R	ug/kg		17000	R	ug/kg	
Aramite	1900	U	ug/kg	1900	1700	U	ug/kg	1700
2-Chlorophenol	380	U	ug/kg	380	350	U	ug/kg	350
3- & 4-Methylphenol (2)	380	U	ug/kg	380	350	U	ug/kg	350
4-Methylphenol	-		ug/kg		-		ug/kg	
Diphenylamine	-		ug/kg		-		ug/kg	
Hexachloropropene	1900	U	ug/kg	1900	1700	U	ug/kg	1700
2-Acetylaminofluorene	380	U	ug/kg	380	350	U	ug/kg	350

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7705003				M7705005			
Site	RFADATA				RFADATA			
Locator	48BS00205				48BS00505			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080) ug/kg								
alpha-BHC	.76	U	ug/kg	.76	.71	U	ug/kg	.71
beta-BHC	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
delta-BHC	.76	U	ug/kg	.76	.71	U	ug/kg	.71
gamma-BHC (Lindane)	.76	U	ug/kg	.76	.71	U	ug/kg	.71
Heptachlor	.76	U	ug/kg	.76	.71	U	ug/kg	.71
Aldrin	.76	U	ug/kg	.76	.71	U	ug/kg	.71
Heptachlor epoxide	.76	U	ug/kg	.76	.71	U	ug/kg	.71
Endosulfan I	.76	U	ug/kg	.76	.71	U	ug/kg	.71
Dieldrin	.76	U	ug/kg	.76	.71	U	ug/kg	.71
4,4-DDE	.76	U	ug/kg	.76	.71	U	ug/kg	.71
Endrin	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Endosulfan II	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
4,4-DDD	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Endosulfan sulfate	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
4,4-DDT	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Methoxychlor	3.1	U	ug/kg	3.1	2.8	U	ug/kg	2.8
Endrin aldehyde	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Endrin ketone	1.5	U	ug/kg	1.5	1.4	U	ug/kg	1.4
Chlordane	7.6	U	ug/kg	7.6	7.1	U	ug/kg	7.1
Chlorobenzilate	23	U	ug/kg	23	21	U	ug/kg	21
Diallate	45	U	ug/kg	45	42	U	ug/kg	42
Toxaphene	38	U	ug/kg	38	35	U	ug/kg	35
Isodrin	.76	U	ug/kg	.76	.71	U	ug/kg	.71
Kepone	45	UJ	ug/kg		42	UJ	ug/kg	
Aroclor-1016	38	U	ug/kg	38	35	U	ug/kg	35
Aroclor-1221	76	U	ug/kg	76	71	U	ug/kg	71
Aroclor-1232	76	U	ug/kg	76	71	U	ug/kg	71
Aroclor-1242	38	U	ug/kg	38	35	U	ug/kg	35
Aroclor-1248	38	U	ug/kg	38	35	U	ug/kg	35
Aroclor-1254	19	U	ug/kg	19	18	U	ug/kg	18
Aroclor-1260	19	U	ug/kg	19	18	U	ug/kg	18

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Soil Boring Data

Lab Sample Number:	M7705003				M7705005			
Site	RFADATA				RFADATA			
Locator	48BS00205				48BS00505			
Collect Date:	08-AUG-94				08-AUG-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
BKG SOILS METALS mg/kg								
Antimony	.57	U	mg/kg	.57	.47	U	mg/kg	.47
Arsenic	2.5	J	mg/kg		.68	J	mg/kg	
Barium	10.1	J	mg/kg		7	J	mg/kg	
Beryllium	.22	U	mg/kg	.22	.09	U	mg/kg	.09
Cadmium	.77	U	mg/kg	.77	.64	U	mg/kg	.64
Chromium	6.8		mg/kg		3.7		mg/kg	
Cobalt	.95	J	mg/kg		.57	U	mg/kg	.57
Copper	1	UJ	mg/kg		15.6	J	mg/kg	
Cyanide	.04	U	mg/kg	.04	.03	U	mg/kg	.03
Lead	4	J	mg/kg		3.5	J	mg/kg	
Mercury	.15	J	mg/kg		.07	UJ	mg/kg	
Nickel	2	J	mg/kg		2.3	J	mg/kg	
Selenium	.34	U	mg/kg	.34	.28	U	mg/kg	.28
Silver	.53	U	mg/kg	.53	.44	U	mg/kg	.44
Thallium	.33	UJ	mg/kg		.28	UJ	mg/kg	
Tin	3	J	mg/kg		2.6	J	mg/kg	
Vanadium	6.4	J	mg/kg		2	J	mg/kg	
Zinc	5.1	U	mg/kg	5.1	10	J	mg/kg	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7490005			R8627003			R8709001			R8709002		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		08MW008S			08MW009S			08MW010S			08MW010SD		
Collect Date:		09-JUL-94			26-AUG-94			09-SEP-94			09-SEP-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG VOCs (8240+11)	ug/l												
Chloromethane		10 UJ	ug/l		20 U	ug/l	20	1 U	ug/l	1	1 U	ug/l	1
Bromomethane		10 U	ug/l	10	20 U	ug/l	20	10 U	ug/l	10	1 U	ug/l	1
Vinyl chloride		10 U	ug/l	10	20 U	ug/l	20	10 U	ug/l	10	1 U	ug/l	1
Chloroethane		10 U	ug/l	10	20 U	ug/l	20	1 U	ug/l	1	10 U	ug/l	10
Methylene chloride		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
Acetone		10 UJ	ug/l		330 J	ug/l		10 UJ	ug/l		10 UJ	ug/l	
Carbon disulfide		5 UJ	ug/l		4 J	ug/l		5 U	ug/l	5	5 U	ug/l	5
1,1-Dichloroethane		5 UJ	ug/l		10 U	ug/l	10	1 U	ug/l	1	1 U	ug/l	1
1,1-Dichloroethene		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	1 U	ug/l	1
1,2-Dichloroethene (total)		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
Chloroform		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	1 U	ug/l	1
1,2-Dichloroethane		5 UJ	ug/l		10 U	ug/l	10	5 U	ug/l	5	1 U	ug/l	1
2-Butanone		10 U	ug/l	10	230 J	ug/l		10 R	ug/l		10 R	ug/l	
1,1,1-Trichloroethane		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	1 U	ug/l	1
Carbon tetrachloride		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
Bromodichloromethane		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	1 U	ug/l	1
1,2-Dichloropropane		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	5 U	ug/l	5
cis-1,3-Dichloropropene		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	1 U	ug/l	1
Trichloroethene		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	1 U	ug/l	1
Dibromochloromethane		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	1 U	ug/l	1
1,1,2-Trichloroethane		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	5 U	ug/l	5
Benzene		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
trans-1,3-Dichloropropene		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	5 U	ug/l	5
Bromoform		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	1 U	ug/l	1
4-Methyl-2-pentanone		10 UJ	ug/l		20 U	ug/l	20	10 U	ug/l	10	10 U	ug/l	10
2-Hexanone		10 UJ	ug/l		20 U	ug/l	20	10 U	ug/l	10	10 U	ug/l	10
Tetrachloroethene		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	1 U	ug/l	1
1,1,2,2-Tetrachloroethane		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	1 U	ug/l	1
Toluene		5 U	ug/l	5	3 J	ug/l		5 U	ug/l	5	5 U	ug/l	5
Chlorobenzene		5 U	ug/l	5	10 U	ug/l	10	1 U	ug/l	1	1 U	ug/l	1
Ethylbenzene		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
Styrene		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
Xylenes (total)		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
Trichlorofluoromethane		5 UJ	ug/l		10 U	ug/l	10	1 U	ug/l	1	1 U	ug/l	1
1,3-Dichlorobenzene		5 U	ug/l	5	80 U	ug/l	80	10 U	ug/l	10	1 U	ug/l	1
Acrolein		100 U	ug/l	100	200 U	ug/l	200	100 U	ug/l	100	100 U	ug/l	100
Iodomethane		10 UJ	ug/l		20 U	ug/l	20	10 U	ug/l	10	10 U	ug/l	10
1,4-Dichlorobenzene		5 U	ug/l	5	80 U	ug/l	80	1 U	ug/l	1	1 U	ug/l	1
Acrylonitrile		100 U	ug/l	100	200 U	ug/l	200	100 U	ug/l	100	100 U	ug/l	100
Dibromomethane		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
1,2-Dichlorobenzene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2-Chloroethylvinylether		10 UJ	ug/l		20 U	ug/l	20	1 U	ug/l	1	1 U	ug/l	1
Ethyl methacrylate		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
1,2,3-Trichloropropane		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
trans-1,4-Dichloro-2-butene		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
Isobutyl alcohol		200 R	ug/l		400 R	ug/l		200 R	ug/l		200 R	ug/l	
1,1,1,2-Tetrachloroethane		5 U	ug/l	5	10 U	ug/l	10	5 U	ug/l	5	5 U	ug/l	5
1,2-Dibromo-3-chloropropane		10 U	ug/l	10	20 UJ	ug/l		10 UJ	ug/l		10 UJ	ug/l	
1,2-Dibromoethane		5 U	ug/l	5	10 UJ	ug/l		5 UJ	ug/l		5 UJ	ug/l	
1,4-Dioxane		200 R	ug/l		400 R	ug/l		200 R	ug/l		200 R	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7490005				R8627003				R8709001				R8709002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	08MW008S				08MW009S				08MW010S				08MW010SD			
Collect Date:	09-JUL-94				26-AUG-94				09-SEP-94				09-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
3-Chloropropene	5	UJ	ug/l		10	U	ug/l	10	5	UJ	ug/l		5	UJ	ug/l	
Acetonitrile	100	UJ	ug/l		200	UJ	ug/l		100	U	ug/l	100	100	U	ug/l	100
Chloroprene	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Methacrylonitrile	5	U	ug/l	5	10	UJ	ug/l		5	UJ	ug/l		5	UJ	ug/l	
Methyl methacrylate	10	U	ug/l	10	20	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l	
Pentachloroethane	10	UJ	ug/l		20	UJ	ug/l		10	UJ	ug/l		10	UJ	ug/l	
Propionitrile	100	U	ug/l	100	200	UJ	ug/l		100	UJ	ug/l		100	UJ	ug/l	
Vinyl acetate	10	UJ	ug/l		20	U	ug/l	20	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7490005			R8627003			R8709001			R8709002		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		08MW008S			08MW009S			08MW010S			08MW010SD		
Collect Date:		09-JUL-94			26-AUG-94			09-SEP-94			09-SEP-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG SVOC (8270+24)	ug/l												
N-Nitrosodimethylamine		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Phenol		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Aniline		10 UJ	ug/l		80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
bis (2-Chloroethyl) ether		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
1,3-Dichlorobenzene		5 U	ug/l	5	80 U	ug/l	80	10 U	ug/l	10	1 U	ug/l	1
1,4-Dichlorobenzene		5 U	ug/l	5	80 U	ug/l	80	1 U	ug/l	1	1 U	ug/l	1
Benzyl Alcohol		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
1,2-Dichlorobenzene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2-Methylphenol		10 U	ug/l	10	180	ug/l		10 U	ug/l	10	10 U	ug/l	10
bis(2-Chloroisopropyl)ether		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
N-Nitroso-di-n-propylamine		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Hexachloroethane		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Nitrobenzene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Isophorone		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2-Nitrophenol		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2,4-Dimethylphenol		10 U	ug/l	10	180	ug/l		10 U	ug/l	10	10 U	ug/l	10
Benzoic acid		50 U	ug/l	50	400 U	ug/l	400	50 U	ug/l	50	50 U	ug/l	50
bis(2-Chloroethoxy)methane		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2,4-Dichlorophenol		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
1,2,4-Trichlorobenzene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Naphthalene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
4-Chloroaniline		10 UJ	ug/l		80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobutadiene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
4-Chloro-3-methylphenol		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2-Methylnaphthalene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Hexachlorocyclopentadiene		10 U	ug/l	10	80 U	ug/l	80	10 UJ	ug/l		10 UJ	ug/l	
2,4,6-Trichlorophenol		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Dimethylphthalate		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2,4,5-Trichlorophenol		50 U	ug/l	50	400 U	ug/l	400	50 U	ug/l	50	50 U	ug/l	50
2-Chloronaphthalene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2-Nitroaniline		50 U	ug/l	50	400 U	ug/l	400	50 U	ug/l	50	50 U	ug/l	50
Acenaphthylene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2,6-Dinitrotoluene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
3-Nitroaniline		50 U	ug/l	50	400 U	ug/l	400	50 U	ug/l	50	50 U	ug/l	50
Acenaphthene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrophenol		50 U	ug/l	50	400 U	ug/l	400	50 UJ	ug/l		50 UJ	ug/l	
4-Nitrophenol		50 U	ug/l	50	400 U	ug/l	400	50 U	ug/l	50	50 U	ug/l	50
Dibenzofuran		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
2,4-Dinitrotoluene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Diethylphthalate		10 U	ug/l	10	20 J	ug/l		10 U	ug/l	10	10 U	ug/l	10
4-Chlorophenyl-phenylether		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Fluorene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
4-Nitroaniline		50 U	ug/l	50	400 U	ug/l	400	50 U	ug/l	50	50 U	ug/l	50
4,6-Dinitro-2-methylphenol		50 U	ug/l	50	400 U	ug/l	400	50 U	ug/l	50	50 U	ug/l	50
N-Nitrosodiphenylamine (1)		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
1,2-Diphenylhydrazine		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
4-Bromophenyl-phenylether		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Hexachlorobenzene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10
Pentachlorophenol		50 U	ug/l	50	400 U	ug/l	400	50 U	ug/l	50	50 U	ug/l	50
Phenanthrene		10 U	ug/l	10	80 U	ug/l	80	10 U	ug/l	10	10 U	ug/l	10

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7490005				R8627003				R8709001				R8709002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	08MW008S				08MW009S				08MW010S				08MW010SD			
Collect Date:	09-JUL-94				26-AUG-94				09-SEP-94				09-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Anthracene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Di-n-Butylphthalate	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Fluoranthene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Pyrene	10	U	ug/l	10	80	U	ug/l	80	10	UJ	ug/l		10	UJ	ug/l	
Butylbenzylphthalate	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
3,3'-Dichlorobenzidine	20	U	ug/l	20	160	U	ug/l	160	20	U	ug/l	20	20	U	ug/l	20
Benzo(a)anthracene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Chrysene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
bis(2-Ethylhexyl)phthalate	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Di-n-octylphthalate	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Benzo(b)fluoranthene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Benzo(k)fluoranthene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Benzo(a)pyrene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Indeno(1,2,3-cd)pyrene	10	UJ	ug/l		80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Dibenz(a,h)anthracene	10	UJ	ug/l		80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Benzo(g,h,i)perylene	10	UJ	ug/l		80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
2-Picoline	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
Methyl methanesulfonate	10	U	ug/l	10	80	U	ug/l	80	10	UJ	ug/l		10	UJ	ug/l	
Ethyl methanesulfonate	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Acetophenone	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosopiperidine	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Phenyl-tert-butylamine	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
2,6-Dichlorophenol	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
N-Nitroso-di-n-butylamine	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosodiethylamine	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosopyrrolidine	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Benzidine	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
1,2,4,5-Tetrachlorobenzene	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
Pentachlorobenzene	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
1-Naphthylamine	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
2-Naphthylamine	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
2,3,4,6-Tetrachlorophenol	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Phenacetin	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
4-Aminobiphenyl	50	UJ	ug/l		400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
Pentachloronitrobenzene	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
Pronamide	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
p-(Dimethylamino)azobenzene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
7,12-Dimethylbenz(A)Anthracene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
3-Methylcholanthrene	10	UJ	ug/l		80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Pyridine	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
N-Nitrosomethylethylamine	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
N-Nitrosomorpholine	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
o-Toluidine	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Hexachloropropene	50	U	ug/l	50	400	U	ug/l	400	50	UJ	ug/l		50	UJ	ug/l	
p-Phenylenediamine	500	U	ug/l	500	4000	U	ug/l	4000	500	U	ug/l	500	500	U	ug/l	500
Safrole	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
Isosafrole	50	U	ug/l	50	400	U	ug/l	400	50	U	ug/l	50	50	U	ug/l	50
1,4-Naphthoquinone	1000	UJ	ug/l		8000	U	ug/l	8000	1000	U	ug/l	1000	1000	U	ug/l	1000
1,3-Dinitrobenzene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
5-Nitro-o-toluidine	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
1,3,5-Trinitrobenzene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
4-Nitroquinoline-1-oxide	500	UJ	ug/l		4000	U	ug/l	4000	500	R	ug/l		500	R	ug/l	

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7490005				R8627003				R8709001				R8709002			
Site	RFADATA				RFADATA				RFADATA				RFADATA			
Locator	08MW008S				08MW009S				08MW010S				08MW010SD			
Collect Date:	09-JUL-94				26-AUG-94				09-SEP-94				09-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
Methapyrilene	50	UJ	ug/l		400	U	ug/l	400	50	UJ	ug/l		50	UJ	ug/l	
3,3'-Dimethylbenzidine	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
Hexachlorophene	500	R	ug/l		4000	UJ	ug/l		500	R	ug/l		500	R	ug/l	
Aramite	50	U	ug/l	50	400	U	ug/l	400	50	UJ	ug/l		50	UJ	ug/l	
2-Chlorophenol	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10
3- & 4-Methylphenol (2)	10	U	ug/l	10	480		ug/l		10	U	ug/l	10	10	U	ug/l	10
4-Methylphenol	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Diphenylamine	-		ug/l		-		ug/l		-		ug/l		-		ug/l	
Hexachloropropene	50	U	ug/l	50	400	U	ug/l	400	50	UJ	ug/l		50	UJ	ug/l	
2-Acetylaminofluorene	10	U	ug/l	10	80	U	ug/l	80	10	U	ug/l	10	10	U	ug/l	10

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7490005				R8627003				R8709001				R8709002		
Site		RFADATA				RFADATA				RFADATA				RFADATA		
Locator		08MW008S				08MW009S				08MW010S				08MW010SD		
Collect Date:		09-JUL-94				26-AUG-94				09-SEP-94				09-SEP-94		
		VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
PESTICIDES/PCBs (SW-846,8080)	ug/l																
alpha-BHC		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
beta-BHC		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
delta-BHC		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
gamma-BHC (Lindane)		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Heptachlor		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Aldrin		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Heptachlor epoxide		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Endosulfan I		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Dieldrin		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
4,4-DDE		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Endrin		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Endosulfan II		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
4,4-DDD		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Endosulfan sulfate		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
4,4-DDT		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Methoxychlor		.08	U	ug/l	.08	.08	U	ug/l	.08	.08	U	ug/l	.08	.08	U	ug/l	.08
Endrin aldehyde		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Endrin ketone		.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04	.04	U	ug/l	.04
Chlordane		.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2	.2	U	ug/l	.2
Chlorobenzilate		.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Diallate		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Toxaphene		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Isodrin		.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02	.02	U	ug/l	.02
Kepone		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1016		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1221		2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1232		2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2	2	U	ug/l	2
Aroclor-1242		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1248		1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1	1	U	ug/l	1
Aroclor-1254		.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5
Aroclor-1260		.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5	.5	U	ug/l	.5

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:		M7491005			R8628003			R8710001			R8710002		
Site		RFADATA			RFADATA			RFADATA			RFADATA		
Locator		08MW008S			08MW009S			08MW010S			08MW010SD		
Collect Date:		09-JUL-94			26-AUG-94			09-SEP-94			09-SEP-94		
		VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL	VALUE QUAL	UNITS	DL
BKG WATER METALS	ug/l												
Antimony		2.2 U	ug/l	2.2	50 UJ	ug/l		5 U	ug/l	5	5 U	ug/l	5
Arsenic		5.6 J	ug/l		.6 J	ug/l		1.8 J	ug/l		1.1 J	ug/l	
Barium		8.4 J	ug/l		112 J	ug/l		6.2 J	ug/l		6.3 J	ug/l	
Beryllium		.18 U	ug/l	.18	.3 U	ug/l	.3	.3 U	ug/l	.3	.3 U	ug/l	.3
Cadmium		3 U	ug/l	3	1 U	ug/l	1	1 U	ug/l	1	1 U	ug/l	1
Calcium		33800	ug/l		1830000	ug/l		79600	ug/l		77100	ug/l	
Chromium		2.09 U	ug/l	2.09	2.6 U	ug/l	2.6	2.6 U	ug/l	2.6	2.6 U	ug/l	2.6
Cobalt		2.7 U	ug/l	2.7	3.1 U	ug/l	3.1	3.1 U	ug/l	3.1	3.1 U	ug/l	3.1
Copper		4 U	ug/l	4	.9 U	ug/l	.9	.9 U	ug/l	.9	.9 U	ug/l	.9
Cyanide		.81 U	ug/l	.81	2.7 U	ug/l	2.7	2.7 U	ug/l	2.7	2.7 U	ug/l	2.7
Iron		88 J	ug/l		4820	ug/l		9.1 U	ug/l	9.1	9.1 U	ug/l	9.1
Lead		.97 U	ug/l	.97	6 UJ	ug/l		.6 U	ug/l	.6	.6 U	ug/l	.6
Magnesium		28100	ug/l		401000	ug/l		17100	ug/l		16500	ug/l	
Manganese		12 J	ug/l		2260	ug/l		21.5	ug/l		19.2	ug/l	
Mercury		.08 U	ug/l	.08	.5 UJ	ug/l		.1 U	ug/l	.1	.1 U	ug/l	.1
Nickel		7.3 U	ug/l	7.3	5.9 U	ug/l	5.9	5.9 U	ug/l	5.9	5.9 U	ug/l	5.9
Selenium		1.55 UJ	ug/l		30 UJ	ug/l		1.9 J	ug/l		1.2 J	ug/l	
Silver		2.3 U	ug/l	2.3	2.1 U	ug/l	2.1	2.1 U	ug/l	2.1	2.1 U	ug/l	2.1
Sodium		675000	ug/l		1810000	ug/l		24100	ug/l		23100	ug/l	
Thallium		1.3 UJ	ug/l		6 UJ	ug/l		.6 U	ug/l	.6	.6 U	ug/l	.6
Tin		9.4 U	ug/l	9.4	8 U	ug/l	8	8 U	ug/l	8	8 U	ug/l	8
Vanadium		1.7 U	ug/l	1.7	8.3 J	ug/l		3 J	ug/l		2 J	ug/l	
Zinc		5.8 U	ug/l	5.8	16.5 J	ug/l		2.9 U	ug/l	2.9	2.9 U	ug/l	2.9

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

NAVSTA MAYPORT
RFA Ground Water Data

Lab Sample Number:	M7492004				R8626003				R8708001			
Site	RFADATA				RFADATA				RFADATA			
Locator	08MW008S				08MW009S				08MW010S			
Collect Date:	09-JUL-94				26-AUG-94				09-SEP-94			
	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL	VALUE	QUAL	UNITS	DL
GROUND WATER QUALITY	mg/l											
Alkalinity as CaCO3	224		mg/l		3390		mg/l		238		mg/l	
Ammonia-N	.3	U	mg/l	.3	7.6		mg/l		.3	U	mg/l	.3
Chloride	906		mg/l		3790		mg/l		29.6		mg/l	
Hardness as CaCO3	224		mg/l		7180		mg/l		300		mg/l	
Nitrate/Nitrite-N	.52		mg/l		.38		mg/l		3.69		mg/l	
Oil and Grease	5	U	mg/l	5	5	U	mg/l	5	5	U	mg/l	5
Phosphorous-P, Total	.21		mg/l		28		mg/l		.58		mg/l	
Sulfate	167		mg/l		100	U	mg/l	100	54.5		mg/l	
Sulfide	1	U	mg/l	1	15.1		mg/l		1	U	mg/l	1
Total Dissolved Solids	1980		mg/l		14500		mg/l		387		mg/l	
Total Kjeldahl Nitrogen	.3	U	mg/l	.3	15.2		mg/l		1.3		mg/l	
Total Organic Carbon	4.6		mg/l		3990		mg/l		6		mg/l	
COLOR	APHA											
Color	25		APHA		70		APHA		15		APHA	
pH	units											
pH	7		units		6.2		units		7.47		units	
TOTAL PETROLEUM HYDROCARBONS	mg/l											
Total petroleum hydrocarbon	-		mg/l		-		mg/l		-		mg/l	

U = NOT DETECTED R = RESULT IS REJECTED
J = ESTIMATED VALUE UJ = REPORTED QUANTITATION LIMIT IS ESTIMATED
THE ADDITIONAL LISTINGS OF RESULTS FOR 1,2-; 1,3-; AND 1,4-DICHLOROBENZENE WERE GENERATED FROM THE SVOC (8270) ANALYTICAL RUN.

APPENDIX C

RISK EVALUATION CALCULATIONS

Table C-1
Estimated Human Health Risk
Surface Soil Contamination Associated with SWMU 26

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Analyte[1]	Maximum Detected Concentration	Residential Cancer RBC[2]	Residential Cancer Risk[3]	Residential Noncancer RBC[4]	Residential Noncancer Risk[5]
Volatile Organic Compounds (ug/kg)					
No Human Health CPCs Detected					
Semivolatile Organic Compounds (ug/kg)					
No Human Health CPCs Detected					
Pesticides/PCBs (ug/kg)					
No Human Health CPCs Detected					
Inorganics (mg/kg)					
Arsenic	1.6	0.37	4E-6		
Beryllium	0.33	0.15	2E-6		
Total Cancer Risk			6E-6		
Total Noncancer Risk					

[1] The analytes listed exceeded one of the following criteria: a cancer risk of 10^{-6} or an adjusted Hazard Quotient of 0.1 based on the February 9, 1995 USEPA Region III Risk Based Concentration (RBC); proposed soil screening levels (presented in document USEPA 9355.4-14FS, dated December 1994); value established by Florida Department of Environmental Protection in their memorandum for Cleanup Goals for Military Sites, dated April 5, 1995.

[2] The residential soil concentration listed represents a cancer risk of 10^{-6}. The value is from the USEPA Region III RBC Tables dated February 9, 1995. For most analytes, the RBC table assumes a single exposure pathway. For most analytes, the RBC value is based on an ingestion route of exposure.

[3] The cancer risk is an estimated value based on the assumptions used in the RBC tables.

[4] The residential soil concentration for noncancer listed is based on a Hazard Quotient of 1. The value is from the USEPA Region III Risk Based Concentration Tables dated February 9, 1995.

[5] The total noncancer risk is an estimated value based on the assumptions used in the RBC tables. The noncancer risks are assumed to be cumulative, even though different chemicals may effect different organs.

Notes: ug/kg = microgram per kilogram
mg/kg = milligram per kilogram
NA = Not available

Table C-2
Estimated Human Health Risk
Subsurface Soil Contamination Associated with SWMU 26

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Analyte[1]	Maximum Detected Concentration	Residential Cancer RBC[2]	Residential Cancer Risk[3]	Residential Noncancer RBC[4]	Residential Noncancer Risk[5]
Volatile Organic Compounds (ug/kg)					
No Human Health CPCs Detected					
Semivolatile Organic Compounds (ug/kg)					
No Human Health CPCs Detected					
Pesticides/PCBs (ug/kg)					
No Human Health CPCs Detected					
Inorganics (mg/kg)					
Arsenic	2	0.37	5E-6		
Beryllium	0.23	0.15	2E-6		
Total Cancer Risk			7E-6		
Total Noncancer Risk					

[1] The analytes listed exceeded one of the following criteria: a cancer risk of 10^{-6} or an adjusted Hazard Quotient of 0.1 based on the February 9, 1995 USEPA Region III Risk Based Concentration (RBC); proposed soil screening levels (presented in document USEPA 9355.4-14FS, dated December 1994); value established by Florida Department of Environmental Protection in their memorandum for Cleanup Goals for Military Sites, dated April 5, 1995.

[2] The residential soil concentration listed represents a cancer risk of 10^{-6}. The value is from the USEPA Region III RBC Tables dated February 9, 1995. For most analytes, the RBC table assumes a single exposure pathway. For most analytes, the RBC value is based on an ingestion route of exposure.

[3] The cancer risk is an estimated value based on the assumptions used in the RBC tables.

[4] The residential soil concentration for noncancer listed is based on a Hazard Quotient of 1. The value is from the USEPA Region III Risk Based Concentration Tables dated February 9, 1995.

[5] The total noncancer risk is an estimated value based on the assumptions used in the RBC tables. The noncancer risks are assumed to be cumulative, even though different chemicals may effect different organs.

Notes: ug/kg = microgram per kilogram.
mg/kg = milligram per kilogram.
NA = Not available.

Table C-3
Estimated Human Health Risk
Surface Soil Contamination Associated with SWMU 56

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Analyte[1]	Maximum Detected Concentration	Residential Cancer RBC[2]	Residential Cancer Risk[3]	Residential Noncancer RBC[4]	Residential Noncancer Risk[5]
Volatile Organic Compounds (µg/kg)					
No Human Health CPCs Detected					
Semivolatile Organic Compounds ((µg/kg)					
No Human Health CPCs Detected					
Pesticides/PCBs (µg/kg)					
No Human Health CPCs Detected					
Inorganics (mg/kg)					
Arsenic	1.2	0.37	3E-6		
Beryllium	0.19	0.15	1E-6		
Cadmium	4.3			39	0.1
Chromium	52.3			390	0.1
Total Cancer Risk			4E-6		
Total Noncancer Risk					0.2

1 The analytes listed exceeded one of the following criteria: a cancer risk of 10^{-6} or an adjusted Hazard Quotient of 0.1 based on the February 9, 1995 USEPA Region III Risk Based Concentration (RBC); proposed soil screening levels (presented in document USEPA 9355.4-14FS, dated December 1994); value established by Florida Department of Environmental Protection in their memorandum for Cleanup Goals for Military Sites, dated April 5, 1995.

2 The residential soil concentration listed represents a cancer risk of 10^{-6}. The value is from the USEPA Region III RBC Tables dated February 9, 1995. For most analytes, the RBC table assumes a single exposure pathway. For most analytes, the RBC value is based on an ingestion route of exposure.

3 The cancer risk is an estimated value based on the assumptions used in the RBC tables.

4 The residential soil concentration for noncancer listed is based on a Hazard Quotient of 1. The value is from the USEPA Region III Risk Based Concentration Tables dated February 9, 1995.

5 The total noncancer risk is an estimated value based on the assumptions used in the RBC tables. The noncancer risks are assumed to be cumulative, even though different chemicals may effect different organs.

Notes: ug/kg = microgram per kilogram.
mg/kg = milligram per kilogram.
NA = Not available.

Table C-4
Estimated Human Health Risk
Surface Soil Contamination Associated with SWMU 19

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Analyte[1]	Maximum Detected Concentration	Residential Cancer RBC[2]	Residential Cancer Risk[3]	Residential Noncancer RBC[4]	Residential Noncancer Risk[5]
Volatile Organic Compounds (ug/kg)					
No Human Health CPCs Detected					
Semivolatile Organic Compounds (ug/kg)					
No Human Health CPCs Detected					
Pesticides/PCBs (ug/kg)					
No Human Health CPCs Detected					
Inorganics (mg/kg)					
Arsenic	1.2	0.37	3E-6		
Beryllium	0.26	0.15	2E-6		
Total Cancer Risk			5E-6		
Total Noncancer Risk					

[1] The analytes listed exceeded one of the following criteria: a cancer risk of 10^{-6} or an adjusted Hazard Quotient of 0.1 based on the February 9, 1995 USEPA Region III Risk Based Concentration (RBC); proposed soil screening levels (presented in document USEPA 9355.4-14FS, dated December 1994); value established by Florida Department of Environmental Protection in their memorandum for Cleanup Goals for Military Sites, dated April 5, 1995.

[2] The residential soil concentration listed represents a cancer risk of 10^{-6}. The value is from the USEPA Region III RBC Tables dated February 9, 1995. For most analytes, the RBC table assumes a single exposure pathway. For most analytes, the RBC value is based on an ingestion route of exposure.

[3] The cancer risk is an estimated value based on the assumptions used in the RBC tables.

[4] The residential soil concentration for noncancer listed is based on a Hazard Quotient of 1. The value is from the USEPA Region III Risk Based Concentration Tables dated February 9, 1995.

[5] The total noncancer risk is an estimated value based on the assumptions used in the RBC tables. The noncancer risks are assumed to be cumulative, even though different chemicals may effect different organs.

Notes: ug/kg = microgram per kilogram
mg/kg = milligram per kilogram
NA = Not available

Table C-5
Estimated Human Health Risk
Surface Soil Contamination Associated with SWMU 28

Group I and II RFA/SV Report
U.S. Naval Station Mayport
Mayport, Florida

Analyte[1]	Maximum Detected Concentration	Residential Cancer RBC[2]	Residential Cancer Risk[3]	Residential Noncancer RBC[4]	Residential Noncancer Risk[5]
Volatile Organic Compounds (ug/kg)					
4-Chloro-3-methylphenol	55	NA		NA	
Semivolatile Organic Compounds (ug/kg)					
No Human Health CPCs Detected					
Pesticides/PCBs (ug/kg)					
No Human Health CPCs Detected					
Inorganics (mg/kg)					
Arsenic	3.2	0.37	9E-9		
Beryllium	0.2	0.15	1E-6		
Total Cancer Risk			1E-6		
Total Noncancer Risk					

[1] The analytes listed exceeded one of the following criteria: a cancer risk of 10^{-6} or an adjusted Hazard Quotient of 0.1 based on the February 9, 1995 USEPA Region III Risk Based Concentration (RBC); proposed soil screening levels (presented in document USEPA 9355.4-14FS, dated December 1994); value established by Florida Department of Environmental Protection in their memorandum for Cleanup Goals for Military Sites, dated April 5, 1995.

[2] The residential soil concentration listed represents a cancer risk of 10^{-6}. The value is from the USEPA Region III RBC Tables dated February 9, 1995. For most analytes, the RBC table assumes a single exposure pathway. For most analytes, the RBC value is based on an ingestion route of exposure.

[3] The cancer risk is an estimated value based on the assumptions used in the RBC tables.

[4] The residential soil concentration for noncancer listed is based on a Hazard Quotient of 1. The value is from the USEPA Region III Risk Based Concentration Tables dated February 9, 1995.

[5] The total noncancer risk is an estimated value based on the assumptions used in the RBC tables. The noncancer risks are assumed to be cumulative, even though different chemicals may effect different organs.

Notes: ug/kg = microgram per kilogram
mg/kg = milligram per kilogram
NA = Not available

Table C-6
Estimated Human Health Risk
Subsurface Soil Contamination Associated with SWMU 28

Group I and II RFA/SV Report
U.S. Naval Station Mayport
Mayport, Florida

Analyte[1]	Maximum Detected Concentration	Residential Cancer RBC[2]	Residential Cancer Risk[3]	Residential Noncancer RBC[4]	Residential Noncancer Risk[5]
Volatile Organic Compounds (ug/kg)					
No Human Health CPCs Detected					
Semivolatile Organic Compounds (ug/kg)					
Benzo (a) anthracene	210	880	2E-7		
Benzo (b) fluoranthene	310	880	4E-7		
Chrysene	270	88,000	3E-9		
Dibenzo (a, h) anthracene	180	88	2E-6		
Indeno (1,2,3-cd)pyrene	290	880	3E-7		
Pesticides/PCBs (ug/kg)					
No Human Health CPCs Detected					
Inorganics (mg/kg)					
Arsenic	8.3	0.37	2E-5		
Beryllium	1.3	0.15	9E-6		
Total Cancer Risk			3E-5		
Total Noncancer Risk					

[1] The analytes listed exceeded one of the following criteria: a cancer risk of 10^{-6} or an adjusted Hazard Quotient of 0.1 based on the February 9, 1995 USEPA Region III Risk Based Concentration (RBC); proposed soil screening levels (presented in document USEPA 9355.4-14FS, dated December 1994); value established by Florida Department of Environmental Protection in their memorandum for Cleanup Goals for Military Sites, dated April 5, 1995.

[2] The residential soil concentration listed represents a cancer risk of 10^{-6}. The value is from the USEPA Region III RBC Tables dated February 9, 1995. For most analytes, the RBC table assumes a single exposure pathway. For most analytes, the RBC value is based on an ingestion route of exposure.

[3] The cancer risk is an estimated value based on the assumptions used in the RBC tables.

[4] The residential soil concentration for noncancer listed is based on a Hazard Quotient of 1. The value is from the USEPA Region III Risk Based Concentration Tables dated February 9, 1995.

[5] The total noncancer risk is an estimated value based on the assumptions used in the RBC tables. The noncancer risks are assumed to be cumulative, even though different chemicals may effect different organs.

Notes: ug/kg = microgram per kilogram.
mg/kg = milligram per kilogram.
NA = Not available.

Table C-7
Estimated Human Health Risk
Unfiltered Groundwater Associated with SWMU 28

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Analyte[1]	Maximum Detected Concentration	Residential Cancer RBC[2]	Residential Cancer Risk[3]	Residential Noncancer RBC[4]	Residential Noncancer Risk[5]
Volatile Organic Compounds (µg/ℓ)					
No Human Health CPCs Detected					
Semivolatile Organic Compounds (µg/ℓ)					
No Human Health CPCs Detected					
Pesticides/PCBs (µg/ℓ)					
No Human Health CPCs Detected					
Inorganics (µg/ℓ)					
Thallium [6]	1.5			2.9	0.5
Total Cancer Risk					
Total Noncancer Risk					0.5

[1] The analytes listed exceeded either a cancer risk of 10^{-6} or an adjusted Hazard Quotient of 0.1 based on the February 9, 1995 USEPA Region III Risk Based Concentration (RBC)or a screening value as listed in the Florida Department of Environmental Protection "Groundwater Guidance Concentrations," dated April 5, 1995.

[2] The groundwater concentration listed represents a cancer risk of 10^{-6} based on a 30 year lifetime aggregate exposure. The value is from the USEPA Region III RBC Tables dated February 9, 1995. For most analytes, the RBC table assumes a single exposure pathway. For most analytes, the RBC value is based on an ingestion route of exposure.

[3] The cancer risk is an estimated value based on the assumptions used in the RBC tables.

[4] The groundwater concentration for noncancer listed is based on a Hazard Quotient of 1. The value is from the USEPA Region III Risk Based Concentration Tables dated February 9, 1995.

[5] The total noncancer risk is an estimated value based on the assumptions used in the RBC tables. The noncancer risks are assumed to be cumulative, even though different chemicals may effect different organs.

[6] The value is based on thallium as thallium sulfate.

Notes: µg/ℓ = micrograms per liter.
NA = Not available.

Table C-8
Estimated Human Health Risk
Surface Soil Associated with SWMU 48

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Analyte[1]	Maximum Detected Concentration	Residential Cancer RBC[2]	Residential Cancer Risk[3]	Residential Noncancer RBC[4]	Residential Noncancer Risk[5]
Volatile Organic Compounds (µg/kg)					
No Human Health CPCs Detected					
Semivolatile Organic Compounds (µg/kg)					
No Human Health CPCs Detected					
Pesticides/PCBs (µg/kg)					
No Human Health CPCs Detected					
Inorganics (mg/kg)					
Arsenic	0.7	0.37	2E-6		
Total Cancer Risk			2E-6		
Total Noncancer Risk					

[1] The analytes listed exceeded one of the following criteria: a cancer risk of 10^{-6} or an adjusted Hazard Quotient of 0.1 based on the February 9, 1995 USEPA Region III Risk Based Concentration (RBC); proposed soil screening levels (presented in document USEPA 9355.4-14FS, dated December 1994); value established by Florida Department of Environmental Protection in their memorandum for Cleanup Goals for Military Sites, dated April 5, 1995.

[2] The residential soil concentration listed represents a cancer risk of 10^{-6}. The value is from the USEPA Region III RBC Tables dated February 9, 1995. For most analytes, the RBC table assumes a single exposure pathway. For most analytes, the RBC value is based on an ingestion route of exposure.

[3] The cancer risk is an estimated value based on the assumptions used in the RBC tables.

[4] The residential soil concentration for noncancer listed is based on a Hazard Quotient of 1. The value is from the USEPA Region III Risk Based Concentration Tables dated February 9, 1995.

[5] The total noncancer risk is an estimated value based on the assumptions used in the RBC tables. The noncancer risks are assumed to be cumulative, even though different chemicals may effect different organs.

Notes: ug/kg = microgram per kilogram.
mg/kg = milligram per kilogram.
NA = Not available.

Table C-9
Estimated Human Health Risk
Subsurface Soil Contamination Associated with SWMU 48

Group I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

Analyte[1]	Maximum Detected Concentration	Residential Cancer RBC[2]	Residential Cancer Risk[3]	Residential Noncancer RBC[4]	Residential Noncancer Risk[5]
Volatile Organic Compounds (µg/kg)					
No Human Health CPCs Detected					
Semivolatile Organic Compounds (µg/kg)					
No Human Health CPCs Detected					
Pesticides/PCBs (µg/kg)					
No Human Health CPCs Detected					
Inorganics (mg/kg)					
Arsenic	2.5	0.37	7E-6		
Total Cancer Risk			7E-6		
Total Noncancer Risk					

[1] The analytes listed exceeded one of the following criteria: a cancer risk of 10^{-6} or an adjusted Hazard Quotient of 0.1 based on the February 9, 1995 USEPA Region III Risk Based Concentration (RBC); proposed soil screening levels (presented in document USEPA 9355.4-14FS, dated December 1994); value established by Florida Department of Environmental Protection in their memorandum for Cleanup Goals for Military Sites, dated April 5, 1995.

[2] The residential soil concentration listed represents a cancer risk of 10^{-6}. The value is from the USEPA Region III RBC Tables dated February 9, 1995. For most analytes, the RBC table assumes a single exposure pathway. For most analytes, the RBC value is based on an ingestion route of exposure.

[3] The cancer risk is an estimated value based on the assumptions used in the RBC tables.

[4] The residential soil concentration for noncancer listed is based on a Hazard Quotient of 1. The value is from the USEPA Region III Risk Based Concentration Tables dated February 9, 1995.

[5] The total noncancer risk is an estimated value based on the assumptions used in the RBC tables. The noncancer risks are assumed to be cumulative, even though different chemicals may effect different organs.

Notes: ug/kg = microgram per kilogram.
mg/kg = milligram per kilogram.
NA = Not available.

APPENDIX D

AFFF MATERIAL SAFETY DATA SHEETS

ANSUL.

ANSUL FIRE PROTECTION
MARINETTE, WI 54143-2542

HSC MSDS
2247

MATERIAL SAFETY DATA SHEET

ANSULITE 6% AFFF (AFC-3)
Quick Identifier (In Plant Common Name)

MANUFACTURER'S NAME	Ansul Fire Protection Wormald U.S., Inc.	Emergency Telephone No.	(715) 735-7411
Prepared By	Safety and Health Department	Date Prepared	November 15, 1985

SECTION 1 - IDENTITY

Common Name: (Used on label (Trade Name and Synonyms): Ansulite 6% AFFF (AFC-3)

CAS No. N/A

Chemical Name: N/A This is a mixture.

Chemical Family: Mixture

Formula N/A

SECTION 2 - INGREDIENTS

Part A - HAZARDOUS INGREDIENTS

Principal Hazardous Component(s) (chemical and common name(s))	%	CAS No.	ACGIH TLV	Acute Toxicity Data
Diethylene Glycol Monobutyl Ether (Butyl Carbitol)	17	112-34-5	None	Dermal LD_{50} (rat) 4120 mg/kg Oral LD_{50} (rat) 6560 mg/kg

Part B - OTHER INGREDIENTS

Other Component(s) (chemical and common name(s)	%	CAS No.	Acute Toxicity Data
Proprietary mixture of hydrocarbon surfactants, fluorosurfactants and inorganic salts not otherwise specified, and water.			

SECTION 3 - PHYSICAL AND CHEMICAL CHARACTERISTICS (Fire and Explosion Data)

Boiling Point: 97 °C

Specific Gravity (H_2O=1): 1.02

Vapor Pressure (mm Hg): N. D.

Percent Volatile by Volume (%): Approx. 94

Vapor Density (Air = 1): 1

Solubility in water: 100%

Evaporation Rate (Butyl Acetate = 1): 0.46

Reactivity in Water: Unreactive

Appearance and Odor: Clear straw colored liquid, mild sweet odor.

Flash Point:	None to boiling	Flammable Limits in Air % by Volume: N/A	Extinguisher Media: N/A	Auto-Ignition Temperature: N/A

Special Fire Fighting Procedures: N/A THIS IS AN EXTINGUISHING AGENT.

Unusual Fire and Explosion Hazards: None.

SECTION 4 - PHYSICAL HAZARDS

Stability Unstable [ ] Conditions
Stable [X] to Avoid: N/A

Incompatibility (Materials to Avoid): Reactive metals, electrically energized equipment, any materials reactive with water.

Hazardous Decomposition Products: None known.

Hazardous Polymerization May Occur [ ] Conditions
Will Not Occur [X] to Avoid: N/A

SECTION 5 - HEALTH HAZARDS

THRESHOLD LIMIT VALUE: None established by ACGIH or OSHA.

Routes of Entry

Eye Contact: May cause mild transient irritation.

Skin Contact: May cause mild transient irritation.

Inhalation: Inhalation is not anticipated to be a problem.

Ingestion: Irritating to mucous membranes. Large oral doses could produce narcosis.

Signs and Symptoms

Acute Overexposure: Irritation of the eyes, skin and mucous membranes.

Chronic Overexposure: Delayed kidney injury, possible liver damage.

Medical Conditions Generally Aggravated by Exposure: Diseases of the kidney and liver.

Chemical Listed as Carcinogen or Potential	National Toxicology Program	Yes [ ] No [X]	I.A.R.C. Monographs	Yes[ ] No[X]	OSHA	Yes [ ] No [X]

SECTION 6 - EMERGENCY AND FIRST AID PROCEDURES

Eye Contact: Flush with large amounts of water; if irritation persists, seek Medical attention.

Skin Contact: Wash with soap and water; if irritation persists, seek Medical attention.

Inhalation: Remove victim to fresh air. Seek Medical attention if discomfort continues.

Ingestion: If patient is conscious, give large amounts of water and induce vomiting. Seek Medical help.

SECTION 7 - SPECIAL PROTECTION INFORMATION

Respiratory Protection (Specify Type): Not normally necessary.

Ventilation — Local Exhaust: — Mechanical (General): Recommended.

Protective Gloves: N/A — Eye Protection: Chemical goggles recommended.

Other Protective Clothing or Equipment: Eye wash and safety showers are good safety practice.

SECTION 8 - SPECIAL PRECAUTIONS AND SPILL/LEAK PROCEDURES

Precautions To Be Taken In Handling and Storage: Store in original container. Note incompatibility information in Section 4.

Other Precautions: Do not mix agents. Avoid skin and eye contact. Avoid ingestion.

Steps to be Taken in Case Material is Released or Spilled: Rinse floor thoroughly with water as material is slippery. Prevent material from entering sewers or waterways to avoid nuisance foaming.

Waste Disposal Methods: Dispose of in compliance with all local, state, and federal regulations.

Product Environmental Data

Environmental Laboratory
3M Environmental Engineering and Pollution Control
900 Bush Avenue
PO Box 33331
St. Paul, MN 55133-3331
612/778 4736

3M LIGHT WATER BRAND AQUEOUS FILM FORMING FOAM (AFFF) DISPOSAL RECOMMENDATIONS AND HAZARD EVALUATION

6147

CONCLUSIONS:

Light Water Brand AFFF and ATC wastes are treatable in a wastewater treatment system if disposed of according to 3M recommendations. These products have low toxicity to the microorganisms in wastewater treatment systems even at concentrations much higher than those recommended by 3M. Foaming problems may develop, however, particularly when recommended discharge concentrations are exceeded.

Fluorochemical thermal decomposition products do not present a health hazard during fire fighting nor do they affect the treatability of aqueous fire fighting wastes. The major reasons for this are that during usage, the concentration of fluorochemicals in Light Water AFFF solutions is low and little fluorochemical is burned.

DISPOSAL RECOMMENDATIONS FOR AFFF (AQUEOUS FILM FORMING FOAM) AND ATC (ALCOHOL TYPE CONCENTRATE) WASTES:

3M recommends handling wastes resulting from the use of Light Water AFFF products by pretreatment in an oil/water separator. The oil fraction should be incinerated in a facility designed to accept such wastes. The aqueous fraction should be metered to a wastewater treatment system at a rate sufficiently low so that the concentrations reaching the aeration basin of the wastewater treatment system will not cause excessive foaming. Appropriate discharge rates will be determined by individual circumstances and should follow applicable regulations.

When pretreatment by oil/water separation is not possible, 3M recommends metering wastes to a wastewater treatment system. Since regulations vary, consult applicable regulations or authorities before disposal. In addition, treatment plant operators should be contacted before discharge to determine the capacity of the treatment system and sewage flow rates into the system so that discharge rates can be estimated.

For most AFFF or ATC products used at 6%, 3M recommends adjusting the discharge rate so that the product concentration in the aeration basin of the wastewater treatment system will be less than 100 mg per liter of sewage. For most products used at 3%, 3M recommends a maximum

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App E

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FILM FORMING FOAM (AFFF)
DISPOSAL RECOMMENDATIONS AND HAZARD EVALUATION
(CON'T).

product concentration of 50 mg/L in the aeration basin. Products used at 3% require greater dilution than products used at 6% because the 3% concentrates have higher surfactant concentrations than the 6% concentrates. Product Environmental Data Sheets for products with higher surfactant concentrations may recommend somewhat greater dilution.

In some situations, metered discharge of wastes to a wastewater treatment system is impractical because the small size of the treatment system limits the discharge rate to such an extent that too much time would be required for disposal. 3M recommends two disposal alternatives in these situations: (1) transporting collected waste materials by tank trucks for metered discharge into a larger waste treatment facility, or (2) discharging the waste at a somewhat higher rate with appropriate concentrations of antifoaming agent added to the waste stream to control foaming.

Experiments conducted in the 3M Environmental Laboratory have determined that several antifoaming products are effective at controlling excessive foaming in activated sluge/AFFF mixtures. The effectiveness of antifoaming agents, however, will be determined by the specific conditions in the aeration basin in individual wastewater treatment systems.

While this is not an endorsement, the following nine products were found to be the most effective of thirty-one antifoam products tested using activated sludge/AFFF mixtures in laboratory tests:

GE Silicones 1-800-332-3390	Antifoam Emulsion AF72 Antifoam Emulsion AF93 Antifoam Emulsion AF9020
Henkel 1-800-922-0605	Defoamer WB-209 Foammaster™ DS
Union Carbide 1-800-523-5862	SAG 2001 Organosilicone Emulsion

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Wacker Silicones	Antifoam Agent SE-36
1-800-248-0063	Antifoam Agent SWS-214
	Antifoam Emulsion SRE

Of these nine products, the most cost-effective were Henkel WB-209, GE Silicones AF9020, Henkel Foammaster™ DS, and Wacker Silicones SRE. The cost analysis used in that study was based on antifoam prices obtained in July, 1992. Price and transport charges may vary which could cause other products to be more cost-effective in some locations.

The antifoam concentration required to limit foaming in laboratory tests on FC-203CF solutions of various concentrations are tabulated below. The products are listed in the table in order of most to least cost-effective. The antifoam concentrations given in the table are intended to serve as estimates since the actual antifoam concentration required to suppress foaming will be determined by the specific conditions in the aeration basin. Where no data are given in the table, the antifoam agent is not recommended for suppressing foam at or above that AFFF concentration.

The antifoam concentrations in the table were obtained in laboratory tests using 3M FC-203CF, but they are the approximate antifoam concentrations required for other 3M AFFF and ATC products used at 3%. For 3M AFFF products used at 6% in water, the antifoam concentrations should be approximately correct for twice the AFFF concentrations given at the top of each column. This is, the antifoam concentrations would be approximately correct for 6% AFFF concentrates at 200, 600, 1000, 1200, 1400, 1600, 1800, and 2200 mg/L in the aeration basin.

The AFFF and antifoam concentrations given in the preceding paragraph and in the table below are for foam control only. Other factors must be considered in selecting rates of discharge to a sewer. 3M recommends a case-by-case determination of the maximum concentrations of AFFF and antifoam to be discharged to a treatment system and subsequently to an aquatic environment. The maximum concentration will depend on a variety of factors, including the conditions in the individual wastewater treatment system and in the receiving watercourse, as well as the dilution factor of the treated wastewater in the receiving watercourse. These factors should be evaluated in

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each situation to ensure that neither the AFFF nor the antifoam will cause harm. Product Environmental Data Sheets on the particular 3M AFFF product(s) will help in this evaluation.

	FC-203CF Concentration (mg/L)*							
	100	300	500	600	700	800	900	1100
Henkel WB-209	20	100	190	---	---	---	---	---
GE Silicones AF9020	20	100	190	270	430	500	740	1950
Henkel Foammaster™ DS	20	110	200	300	430	500	690	1600
Wacker Silicones SRE	20	100	190	270	400	490	---	---
Wacker Silicones SWS-214	40	170	430	---	---	---	---	---
GE Silcones AF93	20	100	190	270	430	480	530	1600
GE Silicones AF72	20	100	190	270	430	480	600	1800
Wacker Silicones SE-36	30	140	310	470	580	---	---	---
Union Carbide SAG 2001	50	220	600	---	---	---	---	---

* See text for precautions and for extrapolating these data to other 3M AFFF products.

Date:

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In situations where antifoam agents are used to control excessive foaming by 3M products used at 6% in water, 3M recommends adjusting the discharge rate so that the product concentration in the aeration basin of the wastewater treatment system will be less than 1,000 mg/L of sewage. When antifoam agents are used to control foaming by 3M products used at 3%, 3M recommends a maximum AFFF concentration of 500 mg/L in the aeration basin. These maximum concentrations are based on laboratory studies that have shown that 3M AFFF products at or below these concentrations are unlikely to cause toxicity in wastewater treatment systems. The AFFF and antifoam concentrations in the table that are greater than these maximum recommended concentrations are provided to assist customers in dealing with emergency foaming situations or where elevated concentrations are appropriate because of individual circumstances. In all cases, applicable local regulations and the antifoam Material Safety Data Sheet (MSDS) should be consulted before use.

At 3M's own wastewater treatment facilities, foaming caused by Light Water AFFF discharges has been controlled by spraying a dilution of Wacker Silicones Antifoam Emulsion SWS-214 over the aeration basin. This dilution is prepared by mixing one part of SWS-214 in twenty parts of water. The antifoam dilution is sprayed over the aeration basin surface until the desired level of foam control is obtained. This procedure could be used as an alternative to adding the antifoam directly to the AFFF containing waste stream.

REASONS FOR 3M DISPOSAL RECOMMENDATIONS:

The primary reason for recommending discharge to a sewer is that 3M AFFF wastes are treatable in a biological wastewater treatment system. Light Water AFFF usage wastes are approximately 99% water and therefore have very low concentrations of organic compounds. The dilute nature of the waste makes alternative disposal methods, such as incineration, carbon adsorption, ultrafiltration, or reverse osmosis, both difficult and costly. Moreover, the major components of 3M AFFF usage wastes are a biodegradable solvent, Butyl Carbitol™ (<1%), and a mixture of biodegradable and partially biodegradable surfactants (<0.3%).

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Chemicals are generally considered biodegradable when the ratio of their 20-day Biochemical Oxygen Demand (BOD_{20}) to their Chemical Oxygen Demand (COD) is greater than 0.6. The BOD_{20}/COD for Butyl Carbitol was found to be 0.85. There are several biodegradable surfactants in these products and their BOD_{20}/COD ratios were found to lie between 0.74 and 0.94. There are also surfactants in these products with BOD_{20}/COD ratios less than 0.6. This includes the fluorochemical surfactants and some of the hydrocarbon surfactants. The hydrocarbon surfactants that do not meet this BOD_{20}/COD criteria will likely fully biodegrade given more time. Some fluorochemical surfactants may have both hydrocarbon and fluorochemical portions. The fluorochemical portions of these surfactants are not known to biodegrade, but the hydrocarbon portions are likely to be biodegraded to some degree in most wastewater treatment systems and, like the fully hydrocarbon surfactants, eventually completely biodegrade. Possible fates of the nondegradable materials in wastewater treatment systems include sorption onto the microbial solids or passage out of the system with the treated wastewater. In any event, their concentration will be very low. Nonbiodegradable fluorochemical materials are used in AFFF products because they are required to make the products work. All effective AFFF products on the market today (and all fluoroprotein products as well) contain fluorochemical surfactants. Finally, laboratory tests on both the individual product components and the product concentrates have determined the low toxicity of these materials to activated sludge bacteria, so discharge to ordinary wastewater treatment systems is reasonable.

Laboratory studies have shown that foaming, not toxicity, is usually the cause of problems from improper disposal of AFFF wastes to wastewater treatment systems. In laboratory studies, wastewater containing FC-600 Light Water AFFF at 1,000 mg/L was treated successfully without toxicity. In that lab study, the foam was physically broken down and returned to the treatment system along with activated sludge solids that came out because of foaming. With these modifications to the normal treatment process, the quality of the treated effluent from the laboratory scale system was not adversely affected. Treatment at this concentration is not recommended, however, because of excessive foaming.

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Light Water AFFF wastes resulting from testing the operability of a fire fighting system, such as that installed in a hanger facility, normally don't contain much fuel or oil. On the other hand, wastes from fire fighting training facilities where hydrocarbon fires are extinguished may contain suspended oil. If oil is present, it should be separated from the waste before discharging the waste to a sewer as described above. If oil is emulsified in the waste, it may be difficult to separate but many oils can biodegrade. Furthermore, emulsified oils are more likely to biodegrade in a wastewater treatment system than are nonemulsified oils.

3M recommends metered discharge of Light Water AFFF wastes to flowing sewers because discharge to an intermittently flowing sewer could cause waste to collect and to be flushed to aeration basins at higher than recommended concentrations. Uncontrolled sewer discharge rates also could result in foam backing out of sewer drains.

THERMAL DECOMPOSITION FROM LIGHT WATER AFFF USAGE:

Thermal decomposition products resulting from Light Water AFFF usage present an insignificant hazard. Considerable confusion was caused by a precautionary statement formerly used on Light Water AFFF Material Safety Data Sheets (MSDSs). That statement was frequently misinterpreted as meaning that thermal decomposition products from usage concentration levels could cause a health hazard. The precaution once simply stated: "Thermal decomposition may produce toxic materials, including HF." This statement has now been modified to include: "Decomposition of usage concentrations does not present a hazard."

The former MSDS precaution for Light Water AFFF products is still used on the MSDSs for other 3M products containing fluorochemicals. The statement is used because it is well known that most fluorochemical materials, including such commonly used items as polytetrafluoroethylene (PTFE) coated frying pans, utensils, etc., can liberate toxic fumes including HF or perfluorobutylenes under combustion or pyrolysis conditions. However, this will occur only if very high temperature conditions exist (>300C).

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Furthermore, formation of hazardous concentrations of thermal by-products is more likely in fluorocarbon containing products with high fluorine content (65 or 70%), but the fluorochemical content of 3M AFFF products is very low. For example, FC-206CF Light Water AFFF concentrate contains only about 1.1% fluorine, and when diluted to the usage concentration, it contains only about 0.06% fluorine. Thus, from a combustion or pyrolysis product hazard perspective, PTFE, which is widely known as a nontoxic, inert material, would be far more hazardous.

There are other reasons that make the production of hazardous concentrations of thermal degradation products during fire fighting with Light Water AFFF very unlikely. Most importantly, little of the fluorochemical would burn or thermally decompose. The reasons for this are that the product rapidly covers and extinguishes the fire, and the high percentage of water absorbs considerable heat, thereby cooling and limiting the decomposition of the dissolved fluorochemical.

The 3M Industrial Hygiene Department conducted a test to confirm the lack of hazard from fluorochemical combustion when Light Water AFFF is used in fire fighting. The test was designed to simulate a "worst case" situation by maximizing the chance of fluorochemical combustion. The test burned a 2-3 inch layer of FC-203CE Light Water AFFF foam in a 10 square foot pan of gasoline inside a 20 by 20 foot wide and 15 foot high open topped concrete building. To cause the fluorochemical in the Light Water AFFF product to burn, the test operator had to stir vigorously the foam and gasoline, an atypical procedure. Stirring broke the foam barrier and allowed combustion that would normally have been extinguished by the foam. Even under this worst case situation, two HF measurements taken above and near this fire were only 0.23 and 0.16 parts per million (ppm). While not directly applicable to this situation, these measurements were below the Threshold Limit Value for HF of 3 ppm, a concentration judge not to present a health hazard for nearly all persons.

Thus, fluorochemical decomposition products from Light Water AFFF present an insignificant risk when compared to the many other hazardous decomposition products resulting from a fire. Light Water AFFF products certainly play a much more significant role in reducing the toxicity hazards of fire situations by rapidly cooling and extinguishing a fire and by covering and preventing the volatilization of other potentially toxic materials.

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II. "Light Water" Brand Concentrates

A. Physical Properties

The selection of the proper "Light Water" Agent is important for optimum performance of any fire protection system. Typical physical properties of "Light Water" Concentrates are listed in Table II-1. 6% Concentrate is designed to be mixed at 6 parts concentrate with 94 parts water. 3% concentrates are designed to be mixed at 3 parts concentrate with 97 parts water. The 3% freeze-protected concentrate is protected to -15°F (-26°C) with a minimum use temperature of 0°F (-18°C).

The Alcohol Type Concentrate (ATC) is designed to be mixed at 3 parts concentrate with 97 parts water when used on non-polar hydrocarbon flammables. For polar solvents or alcohols, ATC is designed to be mixed at 6 parts concentrate with 94 parts water.

Table II-1.
Typical Concentrate Properties

"Light Water" Concentrate	Nominal Use Concentration	Specific Gravity 77°F (25°C)	Specific Gravity 40°F (4.4°C)	Specific Gravity -10°F (-23.3°C)	Viscosity, CS. 77°F (25°C)	Viscosity, CS. 40°F (4.4°C)	Viscosity, CS. -10°F (-23.3°C)	Minimum Use Temp. °F (°C)	Freeze Point °F (°C)	pH 77°F (25°C)
AFFF	6%	1.01	1.02	–	2	5	–	35 (1.7)	25 (-4)	8
AFFF	1%	1.10	–	–	12.2	31.0	–	35 (1.7)	20 (-6.7)	8
AFFF (Freeze Protected)	3%	1.06	1.06	1.03	8	16	90	0 (-18)	-15 (-26)	8
AFFF	3%	1.04	1.05	–	4	9		35 (1.7)	25 (-4)	8
AFFF/ATC	3%/6%	1.02	-	–	2000	3220	–	35 (1.7)	26 (-2)	8

B. Storage and Stability

1. "Light Water" AFFF

"Light Water" Brand Concentrates may be stored in their shipping containers without change in their original physical or chemical characteristics. Freezing and thawing have no adverse effect on product performance, though slight stratification may result, in which case moderate agitation before use is advised. The non-freeze protected concentrates proportion satisfactorily in ordinary equipment between 35° and 120°F (2° and 49°C). Freeze protected concentrate, with a freeze point of -15°F, proportions satisfactorily in ordinary equipment between 0° and 120°F (-18° and 49°C).

Long-term thermal aging of the *concentrates* at 150°F (65°C) has shown no adverse effect in performance. Therefore, a lifetime of at least 20 years could be expected when stored in suitable containers. Storage of *premixes* is not generally recommended for periods beyond 5 years.

Storage of concentrates or premixes in unlined mild steel tanks is not recommended as a general practice. No serious *concentrate* poisoning from metals of construction has occurred. However, as with any other aqueous material, there is the possibility of rust and scale formation in mild steel tanks. Storage of *premixes* in contact with mild steel (and to some extent, aluminum) will result in eventual agent poisoning. Recommendations for materials of construction are given in Section V, "Materials of Construction." Contact your local 3M sales representative for advice on unusual storage conditions.

Post-It™ brand fax transmittal memo 7671 | # of pages ▸ 5

To Scott Newma	From Ron Stolz
Co.	Co.
Dept.	Phone #
Fax #	Fax #

2. "Light Water" ATC

In storing and handling "Light Water" ATC, certain recommendations are necessary. When stored in accordance with these recommendations, "Light Water" ATC has good stability. Unlike the regular "Light Water" Brand Concentrates, there are some limitations to its shelf-life. Annual inspection of systems as prescribed in NFPA II is recommended. Additionally, storage and handling recommendations include the following:

- Storage in mild carbon steel tanks is not recommended.
- Long term handling with mild carbon steel pumps and piping is not recommended.
- Evaporation of the concentrate should be prevented through the use of pressure/vacuum vents on all storage vessels.
- ATC Premix Systems have shelf lives limited to two years.
- Contamination with other agents must be avoided.

C. Agent Testing

Simple test procedures to determine quality of stored concentrate and premix solutions are given in Tables II-2, II-3 and II-4. These tests evaluate solution strength, foam quality and film quality and should be run about once a year on any stored "Light Water" AFFF. Failure of the stored agent to meet the requirements of any one of these tests could be reason for adjustment or replacement. Consult your 3M Fire Protection Systems representative for further action if this occurs.

1. Determination of Solution Strength

"Light Water" 6% Concentrate is designed for use at 6% in water, but performs satisfactorily at solution strengths from 5 to 7%. To assure operation near the nominal 6% level, construction of a refractive index versus percent concentration curve is recommended (see Table II-3 and II-4). This procedure, involving small amounts of solution and little time is particularly useful for checking out proportioning equipment. A similar procedure can be used for "Light Water" 3% Concentrate or "Light Water" ATC.

2. Determination of Agent Foam Quality

A simple field test to determine foam quality is given in Table II-2.

Table II-2
Foam Test for Determining "Light Water" Agent Quality

The procedure developed for field testing of premixes consists of the following:

a. With a 10 ml. pipet or 10 ml. syringe add precisely 10 ml. of premix to a 100 ml. graduate cylinder. (Preferred type has ground glass stopper.)

b. Place stopper in the graduate, and shake hard and rapidly 25 times.

c. With a spatula push any foam clinging to sides of graduate down into the foam bulk.

d. Read volume of top level of foam.

e. If foam volume is less than 40 ml., the agent should be replaced.

3. Determination of Agent Film Quality

The film formation and sealability test procedure of MIL-F-24385B (paragraphs 3.3.1 and 4.7.6) should be used to evaluate film quality. Failure to pass this test indicates the agent should be replaced.

A simplified version of this test has been developed and is more convenient for field testing. The procedure is as follows:

a. To a glass petri dish (60 mm. diameter) add cyclohexane or cigarette lighter fluid to give a depth of 1/8".

b. Place dish on black surface and under a lamp if possible so as to aid in observing the film spread.

c. With a medicine dropper carefully place three drops of *premix* on fuel surface at center of dish.

d. With aid of reflected light observe the spreading film.

e. After one minute, pass a lighted probe over the surface of fuel. ***Be sure*** to have a smothering plate handy in case of ignition.

f. If no film is observed or if ignition occurs, the agent should be replaced.

Note: "Light Water" Agent testing service is available through the Fire Protection System Tech-Service Laboratory. Refer to your authorized distributor or sales representative for sampling instructions and Tech-Service forms.

Table II-3
The Determination of Concentration by Refractive Index

The American Optical[1] portable refractometers (Catalog Nos. 10419, 10440 and 10441) are useful instruments for determining the agent concentration of "Light Water" AFFF in both fresh and sea water solutions. The method is rapid and requires only a small amount of solution.

The operator first should familiarize himself with the instrument and its use. This is the best accomplished by reading the instruction manual and preparing test solutions of known concentrations. The use of this instrument is facilitated when accompanied by the following list of materials (field kit):

1 cc. Syringe
25 ml. Graduate
Medicine Droppers
Cleansing Tissues
Graph — Refractometer Reading vs. % Concentration (See Table II-4)

To prepare for field testing, it is necessary to construct a graph plotting the refractometer reading vs. concentration using the portable refractometer. The reference graph should include the plots for fresh and sea water solutions. A minimum of three points is necessary for each agent. This can be accomplished by preparing two accurate test solutions as 4% and 8% (or 5% and 10%). The refractometer reading of these two solutions and of the water only provide the three points. When plotted on the graph paper, the reference line drawn through the points should be straight. It is suggested that the above procedure be repeated several times to assure familiarization and confidence in the instrument.

To insure accuracy in the field, it is advisable to prepare the two known solutions with the test agent and water at the site and determine their refractometer readings. The solutions can be prepared using the materials listed in the above traveling field kit.

If the refractometer readings of these solutions fall on the plotted reference line, concentrations are read directly at the reference line intersect. If the readings differ, a new reference line should be drawn and used for determining the concentration of the proportioned solution.

Attached to this instruction bulletin are sample graphs plotting refractometer readings and percent concentrations. Reference lines are included for "Light Water" Agent with both fresh and sea water solutions. These curves are illustrative only. It is necessary to construct actual curves in the field.

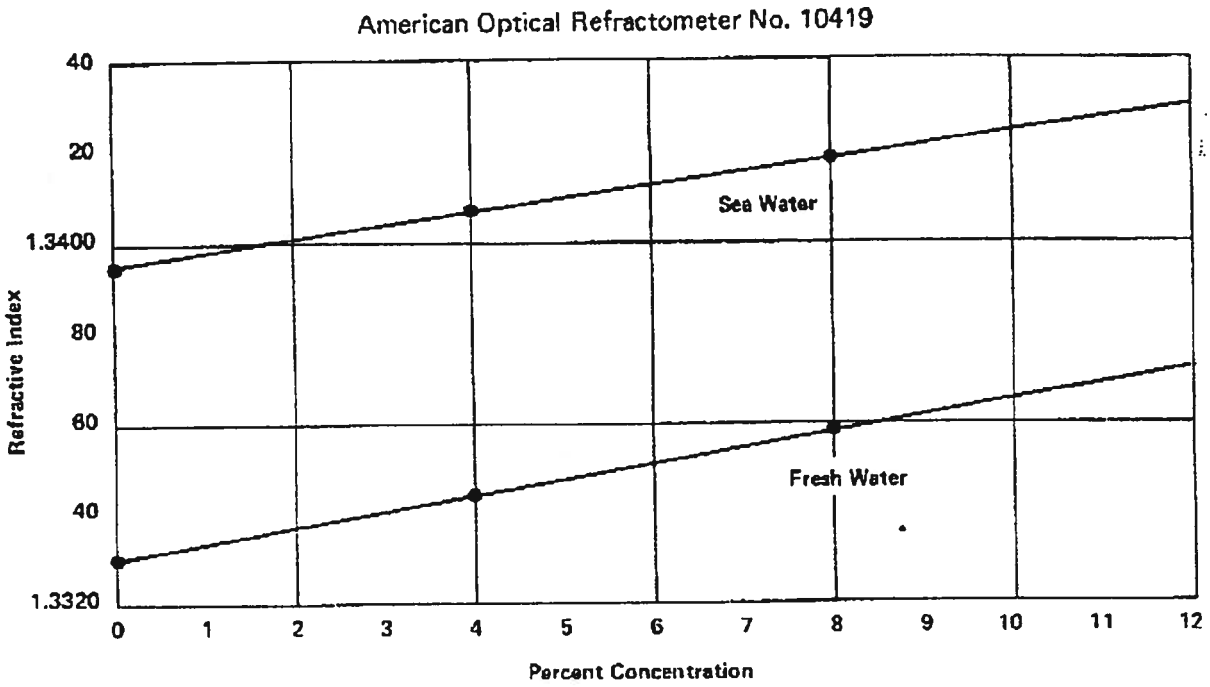
Refractometer No. 10419 is a precision instrument and has the accuracy of a laboratory bench model. Catalog No. 10440, though not as precise an instrument, is accurate within 1/2% concentrate level and is very suitable for adjusting proportioning systems. Catalog No. 10441 is also suitable for adjusting proportioning systems. It is suggested that No. 10419 be used when greater accuracy is required.

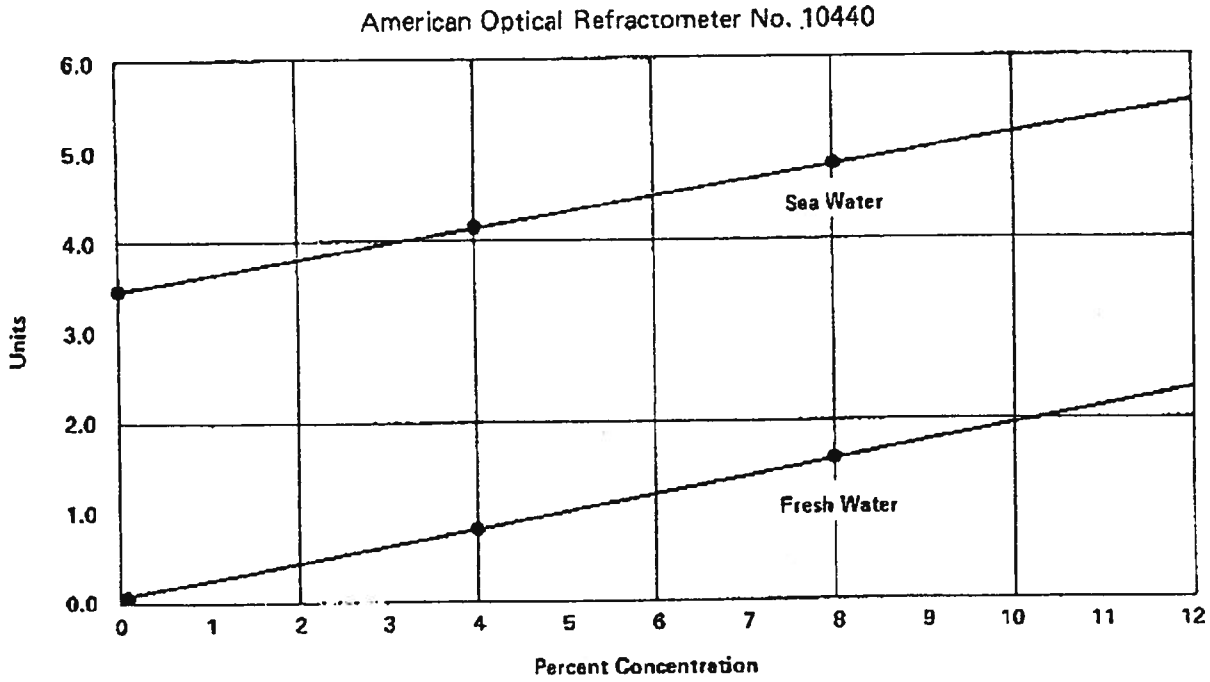
[1] ~~American Optical Corp., Scientific Instruments Div.~~ CAMBRIDGE INSTRUMENTS, Scientific Instruments Div. Buffalo, N.Y. 14215
716-891-4304
~~716-891-3000~~

DIST:
Misco Prod. - Cleveland, OH 800-358-1100
DWR Scientific S.F. CA 415-468-7150
Winn Oil Co. Fullerton, Ca. 213-334-0231
Gen. Medical Richmond, VA. 804-264-7506
Lykes Pasco Dade City, Fla 904-567-5211

FAX
9

TABLE II-4
Typical Refractometer Reading vs. Concentration "Light Water" AFFF Solutions – Sample Curves





D. Water Considerations

"Light Water" Concentrates are designed for use with fresh or sea water. No problem has been encountered using brackish water or water containing a high concentration of minerals or organics. However, it is not advisable to dilute Concentrate with water containing wetting agents or corrosion inhibitors. If this situation is difficult to avoid, contact your local 3M representative for a recommendation.

E. Compatibility With Other Class "B" Extinguishing Agents

Occasionally "Light Water" Agents must be applied to a fire simultaneously with protein or fluoroprotein foam. Tests have shown that "Light Water" Agent can be used with either in any sequence of operation. Their use in combination detracts from the efficiency of "Light Water" Agents, but enhances the performance of protein or fluoroprotein foams.

"Light Water" Concentrates should not be mixed with concentrates of other manufacturers.

"Light Water" Agent's compatibility with dry chemical agents has popularized twin unit systems. Both types of agents contribute superior knockdown; "Light Water" Agent secures against reflash while dry chemical suppresses three-dimensional fires.

F. Limitations of "Light Water" AFFF Use

Like all water-based foams, "Light Water" Agent is *not* suitable for fires involving "live" electrical equipment (Class "C") or fires of materials that react violently with water, such as sodium metal (Class "D").

"Light Water" Agent is also *not* recommended for use on fires involving liquified gases, such as propane, as severe boiling and increased vapor release will occur due to the latent heat of the water draining from the foam. Recent test work shows some success with high expansion foams in retarding the vaporization rate of such liquified gas spills. "Light Water" Agent may also be used in high expansion devices to gain similar reduced vapor evolution rates.

Caution should be exercised in applying "Light Water" Agents to vessels containing hot oils, asphalts, etc., which are well above the normal boiling point of water after burning for an extended period of time. The water in the premix may cause violent frothing and even forceful expulsion of a portion of the contents.

"Light Water" AFFF is not intended for hazards involving polar solvents or alcohols in depth. The use of "Light Water" ATC is recommended for these hazards.

G. Safety, Handling, and Environmental Impact

"Light Water" Brand Concentrates may be classified as practically non-toxic orally based on acute oral LD_{50} values in rats. The concentrates have also been found to be essentially non-irritating to the skin of albino rabbits. Eye irritation of albino rabbits is limited to mild and conjunctival irritation. Eye "wash-out" with water immediately following contact is recommended and should arrest/reverse the irritation process.

3M is conducting an ongoing program to evaluate and assess the environmental impact of its new and existing products. Where possible, all "Light Water" Agents have been tested in accordance with the "Standard Methods for the Examination of Water and Wastewater," 13th Edition, 1971. Conclusions from these tests are:

1. "Light Water" Agents are biodegradable.

2. "Light Water" Agents can be treated in biological treatment system.

3. "Light Water" Agents exhibit low toxicity to aquatic organisms.

For example, oxygen uptake tests have shown that no microbial inhibition will occur at concentrations less than 1000 mg./l. for 6% concentrate (16,000 mg./l. for 6% solutions). A conventional activated sludge pilot plant was successfully operated using a feed source which consisted of a mixture of settled domestic sewage and "Light Water" Agent.

Acute toxicity data on various aquatic organisms show that the dilution of the applied solutions in firefighting situations should be sufficient to insure no adverse effect on aquatic life.

An evaluation of your specific situation should be based on the particular circumstances and factors involved and should include consultation with the appropriate pollution control agencies.

When environmental properties of the "Light Water" Concentrates are needed, contact Fire Protection Systems, 3M.

APPENDIX E

DREDGE MATERIAL DISPOSAL CORRESPONDENCE

STAFF CIVIL ENGINEER DEPARTMENT
NAVAL STATION
MAYPORT, FLORIDA 32228-0067

IN REPLY REFER TO:

N4A
7 Apr 95

From: John Veal, Deputy Staff Civil Engineer
To: Eunice Ford, CEASJ-DP-I

Subj: REMOVAL OF MATERIAL IN UPLAN: DISPOSAL AREAS AT NAVAL STATION MAYPORT, FLORIDA

1. During our fonecon today you outlined two alternatives for overcoming potential regulatory issues regarding removal and disposal of material from the spoil areas. In the first alternative NAVSTA would take the responsibility for coordinating with the Environmental Protection Agency for necessary approvals. Under the second approach the Corps of Engineers would advise the Environmental Protection Agency of the Corps' plans to remove and dispose of the material, and then proceed absent specific objections from EPA. Under the second alternative the COE would initiate appropriate correspondence and otherwise work whatever issues might arise.

2. I have discussed these approaches with Mike Davenport and Cheryl 'itchell in our Environmental Division, and we agree that using the COE as our agent in coordinating with the EPA is the preferred alternative. Therefore, you are requested to move forward with removal and disposal of the spoil material after the EPA has been advised of the plan. Request you provide NAVSTA with information copies of all correspondence, and in general keep Cheryl Mitchell abreast of progress so that she may keep her partnering group current on the status of the dredge spoil areas.

3. You are requested to identify in-house costs required to proceed with this effort.

John Veal

ct: Lcdr. Tomlinson
Mike Davenport
Cheryl Mitchell

MAY 25 1995

Ford

Planning Division
Environmental Branch

SUBJECT: Mayport Naval Station Dredged Material Disposal Areas

Joseph R. Franzmathes
Director, Waste Management Division
U.S. Environmental Protection Agency, Region IV
345 Courtland Street NE.
Atlanta, Georgia 30365

Dear Mr. Franzmathes:

The Engineering Division of the Staff Civil Engineer Department at the U.S. Naval Station, Mayport, Florida, has requested the Jacksonville District, U.S. Army Corps of Engineers, to provide Architect/Engineer (A/E) design services for removal of dredged material from upland disposal areas D/A-N and D/A-O. Construction includes the removal of dredged material and separation of recyclable material for use in road asphalt mix, concrete, etc. and disposal of non-recyclable material in a landfill. The intention of this project is to provide capacity for future maintenance dredging of the Mayport basin.

The project is scheduled to start at the end of calendar year 1995 or the beginning of 1996. The project will take approximately 1 year to complete.

Sincerely,

Richard E. Bonner, P.E.
Deputy District Engineer
for Project Management

bcc:
✓CESAJ-DP-I

APPENDIX F

MAYPORT TURNING BASIN 1993 SAMPLING EVENT

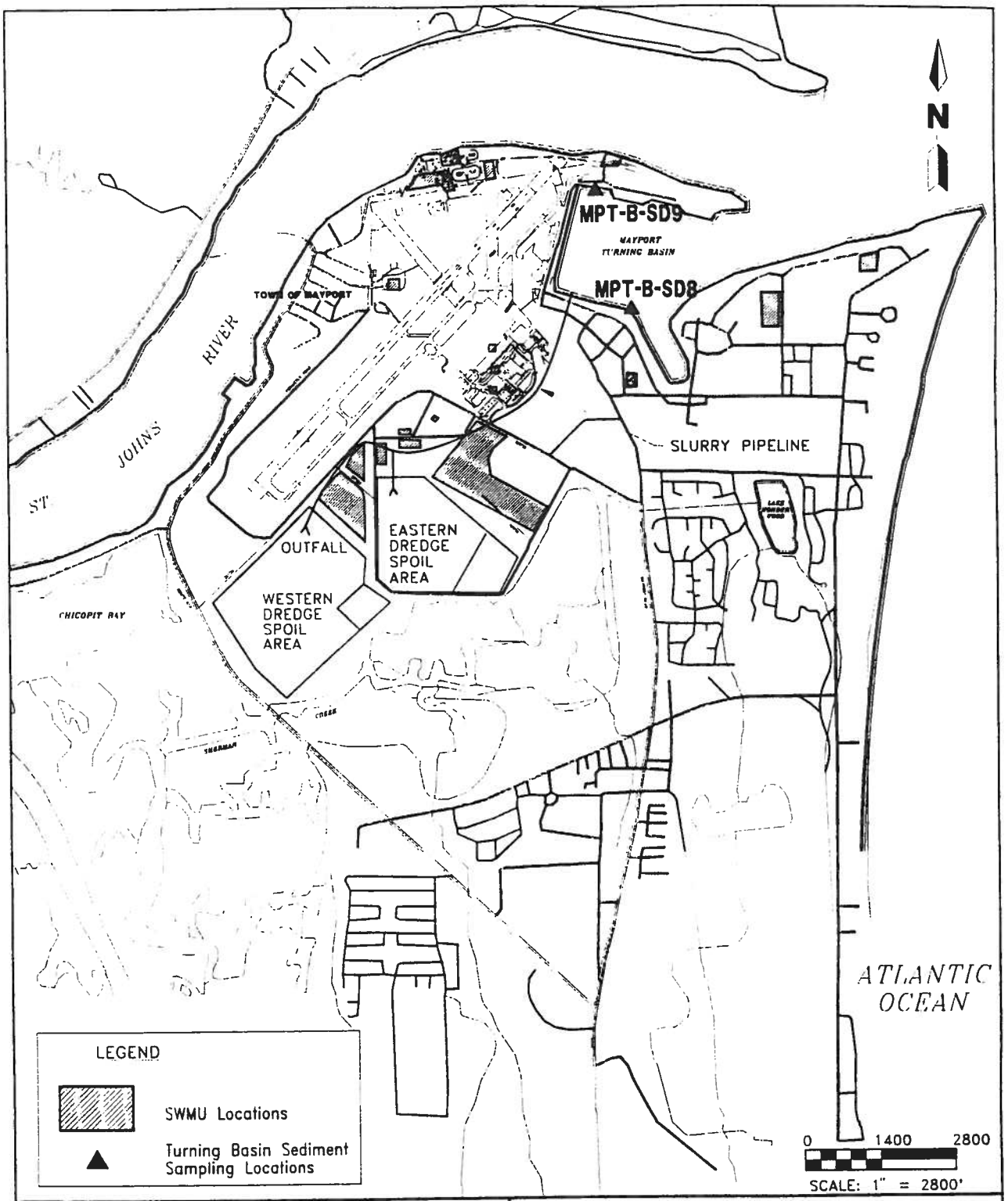


FIGURE 1
TURNING BASIN SEDIMENT SAMPLING LOCATIONS AT NAVSTA MAYPORT

MAYPORT TURNING BASIN SEDIMENT SAMPLING AND ANALYSIS

U.S. NAVAL STATION MAYPORT, FLORIDA

Table 1
Volatile Organic Analytes not Detected by TCLP Analysis in Sediment Samples Collected from the Mayport Turning Basin

Technical Memorandum
Mayport Turning Basin Characterization Activities
NAVSTA Mayport, Mayport, Florida

Sample Matrix:				Sediment	Sediment
Location/Sample No.:				MPT-BG-SD08	MPT-BG-SD09
Date Sampled:				2-Dec.-93	2-Dec.-93
CAS RN	Common Name	Regulatory Level	Laboratory detection Level	Conc.	Conc.
71-43-2	Benzene	0.05	0.25	< 0.25	< 0.25
78-93-3	2-Butanone	200.0	100.0	< 100.0	<100.0
56-23-5	Carbon Tetrachloride	0.50	0.25	< 0.25	< 0.25
108-90-7	Chlorobenzene	100.0	50.0	< 50.0	< 50.0
67-66-3	Chloroform	6.0	3.0	< 3.0	< 3.0
107-06-2	1,2-Dichloroethane	0.50	0.25	< 0.25	< 0.25
75-35-4	1,1-Dichloroethene	0.70	0.35	< 0.35	< 0.35
127-18-4	Tetrachloroethene	0.70	0.35	< 0.35	< 0.35
79-01-6	Trichloroethene	0.50	0.25	< 0.25	< 0.25
75-01-4	Vinyl Chloride	0.20	0.10	< 0.10	<0.10

Notes: Concentrations are reported in milligrams per liter.
CAS RN = chemical abstract service registry number.
Conc. = concentration.

Table 2
Semivolatile Organic Analytes not Detected by TCLP Analysis in Sediment Samples Collected from the Mayport Turning Basin

Technical Memorandum
Mayport Turning Basin Characterization Activities
NAVSTA Mayport, Mayport, Florida

Sample Matrix:				Sediment	Sediment
Location/Sample No.:				MPT-BG-SD08	MPT-BG-SD09
Date Sampled:				2-Dec-93	2-Dec-93
CAS RN	Common Name	Regulatory Level	Laboratory detection Level	Conc.	Conc.
106-46-7	1, 4-Dichlorobenzene	7.5	3.75	< 3.75	< 3.75
121-14-2	2, 4-Dinitrotoluene	0.13	0.065	< 0.065	< 0.065
118-74-1	Hexachlorobenzene	0.13	0.065	< 0.065	< 0.065
87-68-3	Hexachlorobutadiene	0.5	0.25	< 0.25	< 0.25
67-72-1	Hexachloroethane	3.0	1.5	< 1.5	< 1.5
95-48-7	2-Methylphenol	200	100	< 100	< 100
108-39-4	3-Methylphenol	200	100	< 100	<100
106-44-5	4-Methylphenol	200	100	< 100	< 100
98-95-3	Nitrobenzene	2.0	1.0	< 1.0	< 1.0
87-86-5	Pentachlorophenol	100	50	< 50	< 50
110-86-1	Pyridine	5.0	2.5	< 2.5	< 2.5
95-95-4	2, 4, 5-Trichlorophenol	400	200	< 200	< 200
88-06-2	2, 4, 6-Trichlorophenol	2.0	1.0	< 1.0	< 1.0

Notes: Concentrations are reported in milligrams per liter.
CAS RN = chemical abstract service registry number.
Conc. = concentration.

Table 3
Pesticide and Herbicide Analytes not Detected by TCLP Analysis in Sediment Samples Collected from the Mayport Turning Basin

Technical Memorandum
Mayport Turning Basin Characterization Activities
NAVSTA Mayport, Mayport, Florida

Sample Matrix:				Sediment	Sediment
Location/Sample No.:				MPT-BG-SD08	MPT-BG-SD09
Date Sampled:				2-Dec.-93	2-Dec.-93
CAS RN	Common Name	Regulatory Level	Laboratory detection Level	Conc.	Conc.
57-74-9	Chlordane	0.03	0.015	< 0.015	< 0.015
72-20-8	Endrin	0.020	0.010	< 0.010	< 0.010
58-89-9	Gamma-BHC (Lindane)	0.40	0.20	< 0.20	< 0.20
76-44-8	Heptachlor	0.0080	0.0040	< 0.0040	< 0.0040
1024-57-3	Heptachlor Epoxide	0.0080	0.0040	< 0.0040	< 0.0040
72-43-5	P, P'Methoxychlor	10.0	5.0	< 5.0	< 5.0
8001-35-2	Toxaphene	0.5	0.25	< 0.25	< 0.25
94-75-7	2, 4-D	10.0	5.0	< 5.0	< 5.0
93-76-5	2, 4, 5-TP (Silvex)	1.0	0.5	< 0.5	< 0.5

Notes: Concentrations are reported in milligrams per liter.
CAS RN = chemical abstract service registry number.
Conc. = concentration.

Table 4
Inorganic Analytes not Detected by TCLP Analysis in Sediment Samples Collected from the Mayport Turning Basin

Technical Memorandum
Mayport Turning Basin Characterization Activities
NAVSTA Mayport, Mayport, Florida

Sample Matrix:				Sediment	Sediment
Location/Sample No.:				MPT-BG-SD08	MPT-BG-SD09
Date Sampled:				2-Dec-93	2-Dec-93
CAS RN	Common Name	Regulatory Level	Laboratory detection Level	Conc.	Conc.
7440-38-2	Arsenic	5.0	2.5	< 2.5	< 2.5
7440-39-3	Barium	100	50.0	< 50.0	< 50.0
7440-43-9	Cadmium	1.0	0.5	< 0.5	< 0.5
1333-82-0	Chromium	5.0	2.5	< 2.5	< 2.5
7439-92-1	Lead	5.0	2.5	< 2.5	< 2.5
7439-97-6	Mercury	0.2	0.1	< 0.1	< 0.1
7782-49-2	Selenium	1.0	0.5	< 0.5	< 0.5
7440-22-4	Silver	5.0	2.5	< 2.5	< 2.5

Notes: Concentrations are reported in milligrams per liter.
CAS RN = chemical abstract service registry number.
Conc. = concentration.

Table 5
Volatile Organic Analytes Detected in the Mayport Turning Basin Sediment Samples

Technical Memorandum
Mayport Turning Basin Characterization Activities
NAVSTA Mayport, Mayport, Florida

Sample Delivery Group:			11		11	
Sample Matrix:			Sediment		Sediment	
Location/Sample No::			MPT-BG-SD08		MPT-BG-SD09	
Date Sampled:			2-Dec.-93		2-Dec.-93	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.
67-64-1	Acetone	µg/kg	63	BJ	45	BJ
110-75-8	2-Chloroethylvinylether	µg/kg	14	J	–	
78-83-1	Isobutyl Alcohol	µg/kg	86	BJ	11	BJ
75-09-2	Methylene Chloride	µg/kg	50	BJ	17	BJ

Notes: CAS RN = chemical abstract service registry number.
µg/kg = micrograms per kilogram.
Conc. = concentration.
– = concentration less than the contract Required Quantitation Limit (CRQL).
Qual. = qualifier.
J = estimated concentration.
B = analyte detected in a corresponding blank.

Table 6
Semivolatile Organic and Pesticide Analytes Detected in the Mayport Turning Basin Sediment Samples

Technical Memorandum
Mayport Turning Basin Characterization Activities
NAVSTA Mayport, Mayport, Florida

Sample Delivery Group:			13/316PS		13/316PS	
Sample Matrix:			Sediment		Sediment	
Location/Sample No.:			MPT-BG-SD08		MPT-BG-SD09	
Date Sampled:			2-Dec.-93		2-Dec.-93	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.
83-32-9	Acenaphthene	µg/kg	--		91	J
120-12-7	Anthracene	µg/kg	170	J	440	J
56-55-3	Benzo(a)anthracene	µg/kg	350	J	3,000	
191-24-2	Benzo(g,h,i)perylene	µg/kg	--		1,000	J
205-99-2	Benzo(b)fluoranthene	µg/kg	470	JX	5,400	X
207-08-9	Benzo(k)fluoranthene	µg/kg	470	JX	5,400	X
50-32-8	Benzo(a)pyrene	µg/kg	--		2,100	
218-01-9	Chrysene	µg/kg	370	J	2,900	
53-70-3	Dibenz(a,h)anthracene	µg/kg	--		290	J
206-44-0	Fluoranthene	µg/kg	660	J	7,300	
86-73-7	Fluorene	µg/kg	--		110	J
193-39-5	Indeno(1,2,3-cd)pyrene	µg/kg	--		1,000	
85-01-8	Phenanthrene	µg/kg	--		3,100	
129-00-0	Pyrene	µg/kg	770	J	6,100	
117-81-7	Bis (2-ethylhexyl)phthalate	µg/kg	470	BJ	200	BJ
84-74-2	Di-n-butylphthalate	µg/kg	160	J	160	J
106-46-7	1, 4-Dichlorobenzene	µg/kg	--		110	J
319-85-7	Beta - BHC	µg/kg	5.6	P	15	P
50-29-3	4, 4'-DDT	µg/kg	--		6.4	

Notes:
CAS RN = chemical abstract service registry number.
µg/kg = micrograms per kilogram.
Conc. = concentration.
-- = concentration less than the contract Required Quantitation Limit (CRQL).
Qual. = qualifier.
J = estimated concentration.
B = analyte detected in a corresponding blank.
X = indistinguishable coeluting isomers.
P = > 25 percent difference for detected concentrations between two GC columns, lower value reported.

Table 7
Inorganic Analytes Detected in the Mayport Turning Basin Sediment Samples

Technical Memorandum
Mayport Turning Basin Characterization Activities
NAVSTA Mayport, Mayport, Florida

Sample Delivery Group:			937366		937366	
Sample Matrix:			Sediment		Sediment	
Location/Sample No.:			MPT-BG-SD08		MPT-BG-SD09	
Date Sampled:			2-Dec.-93		2-Dec.-93	
CAS RN	Common Name	Units	Conc.	Qual.	Conc.	Qual.
7440-38-2	Arsenic	mg/kg	26.8		5.1	
7429-90-5	Aluminum	mg/kg	12,500		3,120	
7440-39-3	Barium	mg/kg	19.9	J	157	
7440-70-2	Calcium	mg/kg	26,900		125,000	
7440-47-3	Chromium	mg/kg	34.3		356	
7440-48-4	Cobalt	mg/kg	–		1.4	J
7440-50-8	Copper	mg/kg	712		55.8	
7439-89-6	Iron	mg/kg	17,000		5,810	
7493-92-1	Lead	mg/kg	15.3		99.1	
7439-95-4	Magnesium	mg/kg	9,030		3,370	
7439-96-5	Manganese	mg/kg	264		96.6	
7440-02-0	Nickel	mg/kg	17.4	J	–	
7440-09-7	Potassium	mg/kg	3,620		821	J
7782-49-2	Selenium	mg/kg	7.6		–	
7440-23-5	Sodium	mg/kg	35,100		7,890	
7440-62-2	Vanadium	mg/kg	34.2		8	J
7440-66-6	Zinc	mg/kg	171		995	

Notes:
CAS RN = chemical abstract service registry number.
µg/kg = micrograms per kilogram.
Conc. = concentration.
– = concentration less than the contract Required Quantitation Limit (CRQL).
Qual. = qualifier.
J = estimated concentration.

APPENDIX G

GROUNDWATER ELEVATION DATA

Table G-1
Appendix G, Potentiometric Surface Survey

Groups I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 2/14/94 DEPTH (TOC)	WATER LEVEL 2/14/94 ELEV (MSL)	WATER LEVEL 3/14/94 DEPTH (TOC)	WATER LEVEL 3/14/94 ELEV (MSL)	WATER LEVEL 4/19/94 DEPTH (TOC)	WATER LEVEL 4/19/94 ELEV (MSL)
MAY-265-5	372958.91	2200963.68	9.37						
MPT-1-1	372829.0	2202286.9	16.96	10.02	6.94	10.92	6.04	11.91	5.05
MPT-1-2	372520.3	2202618.3	16.89					12.20	4.69
MPT-1-P1	372912.0	2203345.2	7.11	3.67	3.44	4.24	2.87	4.90	2.21
MPT-1-P2	373338.7	2202891.0	11.77	7.02	4.75	7.71	4.06	8.36	3.41
MPT-1-P3	372166.0	2202846.0	11.04	6.78	4.26	7.36	3.68	7.98	3.06
MPT-2-1	365498.7	2199297.5	10.33						
MPT-2-2	368573.7	2199855.4	7.56						
MPT-2-3	364604.9	2199038.7	17.20						
MPT-2-4R	365011.2	2199896.7	8.29						
MPT-2-5	365958.5	2200114.4	9.91						
MPT-2-6	365492.5	2199779.9	9.43	3.37	6.06	4.44	4.99	4.64	4.79
MPT-2-7D	365934.4	2197403.6	9.70	6.29	3.41	6.34	3.36	6.76	2.94
MPT-2-7S	365926.7	2197405.6	10.49	5.98	4.51	6.07	4.42	6.56	3.93
MPT-2-8	365838.5	2200144.7	10.55	3.66	6.89	3.91	6.64	4.54	6.01
MPT-2-9D	366127.7	2200338.7	10.49						
MPT-2-9S	366127.4	2200345.5	10.50						
MPT-2-10	366391.8	2200333.6	10.02	3.65	6.37	3.92	6.10	4.68	5.34
MPT-2-15-DR	367585.3	2200458.0	6.89						
MPT-2-15-SR	367584.9	2200460.6	6.65						
MPT-2-MW-11I	368639.90	2198820.77	5.77						
MPT-2-MW-11S	368644.3	2198829.9	5.73						
MPT-2-MW-12D	368319.8	2198211.9	5.42	2.68	2.74	2.83	2.59	3.40	2.02
MPT-2-MW-12S	368318.3	2198209.6	5.51	3.01	2.50	3.25	2.26	3.91	1.60
MPT-2-MW-13S	365692.6	2200319.6	7.57						
MPT-2-MW-16D	365475.2	2200286.8	6.69			3.21	3.48	3.40	3.29
MPT-2-MW-16S	365475.4	2200289.0	6.73						

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Appendix G, Potentiometric Surface Survey

Groups I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 2/14/94 DEPTH (TOC)	WATER LEVEL 2/14/94 ELEV (MSL)	WATER LEVEL 3/14/94 DEPTH (TOC)	WATER LEVEL 3/14/94 ELEV (MSL)	WATER LEVEL 4/19/94 DEPTH (TOC)	WATER LEVEL 4/19/94 ELEV (MSL)
MPT-2-MW-17D	365773.2	2197412.0	7.79	2.98	4.81	2.94	4.85	3.44	4.35
MPT-2-MW-17S	365775.4	2197409.6	7.73	3.04	4.69	3.21	4.52	3.72	4.01
MPT-2-MW-17I	365767.72	2197417.06	7.83						
MPT-2-MW-18I	366068.67	220055.45	6.51						
MPT-2-MW-18S	366069.80	2200556.08	6.37						
MPT-2-MW-19S	366211.19	2200025.53	32.50						
MPT-2-MW-20S	366630.67	2199688.94	32.09						
MPT-2-MW-21S	367896.59	2200051.54	7.56						
MPT-2-MW-22I	365528.11	2199562.64	7.19						
MPT-2-MW-22S	365528.11	2199568.02	8.09						
MPT-2-MW-23S	368953.87	2199413.41	5.22						
MPT-2-MW-23I	368950.54	2199408.85	5.36						
MPT-2-MW-24S	365636.75	2199025.95	32.29						
MPT-2-MW-25I	367458.00	2198858.49	31.78						
MPT-2-MW-25S	367452.88	2198863.75	32.07						
MPT-2-MW-26I	367495.39	2198091.42	32.35						
MPT-2-MW-26S	367500.15	2198100.29	32.41						
MPT-2-MW-27I	366591.50	2197395.60	7.99						
MPT-2-MW-28S	364986.80	2198675.14	17.36						
MPT-2-MW-29S	364774.65	2199942.71	9.43						
MPT-2-MW-30S	365514.38	2200720.64	8.91						
MPT-2-MW-31I	364246.62	2199944.99	9.08						
MPT-2-MW-31S	364241.07	2199939.63	9.14						
MPT-2-MW-32I	364816.58	2200580.26	8.39						
MPT-2-MW-32S	364813.13	2200575.95	12.49						
MPT-2-MW-33I	365495.74	2201367.39	9.33						
MPT-2-[illegible]-33S	365490.50	2201361.44	9.47						

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U.S. Naval Station
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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 2/14/94 DEPTH (TOC)	WATER LEVEL 2/14/94 ELEV (MSL)	WATER LEVEL 3/14/94 DEPTH (TOC)	WATER LEVEL 3/14/94 ELEV (MSL)	WATER LEVEL 4/19/94 DEPTH (TOC)	WATER LEVEL 4/19/94 ELEV (MSL)
MPT-2-MW-34I	366613.91	2202541.83	10.81						
MPT-2-MW-34S	366609.38	2202536.55	10.46						
MPT-2-MW-35I	363450.20	2200285.60	7.40						
MPT-2-MW-35S	363445.31	2200281.06	7.36						
MPT-2-MW-36D	364166.15	2200986.02	7.47						
MPT-2-MW-36I	364162.25	2200981.47	7.57						
MPT-2-MW-36S	364158.18	2200977.04	7.58						
MPT-2-MW-37I	364906.60	2201740.28	6.84						
MPT-2-MW-37S	364902.28	2201735.35	6.93						
MPT-2-MW-38D	365571.52	2202412.40	8.38						
MPT-2-MW-38I	365576.46	2202418.08	8.16						
MPT-2-MW-38S	365562.98	2202402.71	8.14						
MPT-2-P1	365497.2	2199063.9	7.75	2.65	5.10	2.60	5.15		
MPT-2-P2	365498.3	2198464.0	7.97						
MPT-2-P3	363421.2	2198074.8	31.93	15.27	16.66	20.65	11.28	23.10	8.83
MPT-2-P4	364241.4	2198966.8	32.74	18.95	13.79			24.70	8.04
MPT-2-P5	366452.8	2201086.7	7.15	4.57	2.58	4.88	2.27	3.50	3.65
MPT-2-P6	367964.8	2200321.5	5.10	2.81	2.29	3.06	2.04	5.12	-0.02
MPT-2-P7	366597.0	2197396.9	7.95	3.42	4.53	3.62	4.33	4.15	3.80
MPT-2-P8	367731.9	2197417.0	6.35	3.23	3.12	3.29	3.06	3.49	2.86
MPT-2-P9	362977.9	2197566.0	32.18	16.95	15.23	21.12	11.06	23.97	8.21
MPT-2-P10	363415.5	2195899.8	32.02					21.74	10.28
MPT-2-P11	364395.6	2196198.9	31.85	14.85	17.00	15.57	16.28	21.15	10.70
MPT-2-P12	365157.0	2196870.3	32.75						
MPT-2-P13	367408.9	2199402.7	11.87						
MPT-3-MW/3S	365692.60	2200319.46	7.57						
MPT-3-MW/8I	366068.69	2200551.45	6.51						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 2/14/94 DEPTH (TOC)	WATER LEVEL 2/14/94 ELEV (MSL)	WATER LEVEL 3/14/94 DEPTH (TOC)	WATER LEVEL 3/14/94 ELEV (MSL)	WATER LEVEL 4/19/94 DEPTH (TOC)	WATER LEVEL 4/19/94 ELEV (MSL)
MPT-3-MW/8S	366069.80	2200556.08	6.37						
MPT-8-1	366284.7	2204730.6	10.19	8.14	2.05	9.16	1.03	9.82	0.37
MPT-8-2 **	366261.8	2204968.2	13.93			12.27	1.97	12.98	1.53
MPT-8-2	FREE PRODUCT DEPTH					11.91		12.31	
MPT-8-3 **	366363.4	2205069.4	13.72			12.03	1.73	13.29	1.39
MPT-8-3	FREE PRODUCT DEPTH					11.98		12.17	
MPT-8-4 **	366255.02	2205098.29	11.90	10.15	1.75	10.39	1.51	10.49	1.41
MPT-8-4	FREE PRODUCT DEPTH			NP		NP		NP	
MPT-8-5DD	366641.27	2203931.17	13.29	8.63	4.66	9.12	4.17	9.68	3.61
MPT-8-5I	366645.09	2203937.57	13.34						
MPT-8-5S	366639.77	2203928.57	13.00	5.84	7.16	6.73	6.27	7.77	5.23
MPT-8-6	366149.22	2204828.90	11.57	7.21	4.36	7.92	3.65		
MPT-8-7 **	366601.35	2205103.19	11.73			12.54	1.89	11.90	1.54
MPT-8-7	FREE PRODUCT DEPTH					9.40		9.91	
MPT-8-8	366882.67	2205160.82	13.12	8.78	4.34			9.95	3.17
MPT-8-MW9	366890.10	2204961.31	12.55						
MPT-8-MW10	366823.89	2205154.03	13.11						
MPT-8-MW11 **	366493.34	2205203.57	11.46						
MPT-8-MW11	FREE PRODUCT DEPTH								
MPT-8-MW12	366969.93	2205289.81	12.93						
MPT-8-MW13I	366852.94	2205389.96	11.33						
MPT-8-MW13S	366852.94	2205389.96	11.33						
MPT-8-MW14	366701.22	2205362.05	10.72						
MPT-8-MW15I	366578.64	2205346.55	9.96						
MPT-8-MW15S	366393.49	2205227.24	10.03						
MPT-8-MW15S **	FREE PRODUCT DEPTH								
MPT-8-M[illegible]6S	366393.49	2205227.24	10.03						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 2/14/94 DEPTH (TOC)	WATER LEVEL 2/14/94 ELEV (MSL)	WATER LEVEL 3/14/94 DEPTH (TOC)	WATER LEVEL 3/14/94 ELEV (MSL)	WATER LEVEL 4/19/94 DEPTH (TOC)	WATER LEVEL 4/19/94 ELEV (MSL)
MPT-8-MW17	366229.49	2205125.44	10.89						
MPT-8-MW18S	366161.36	2205001.92	8.80						
MPT-8-MW19	366196.36	2205168.89	5.24						
MPT-8D-P1	367186.01	2204936.81	12.89	5.12	7.77	6.01	6.88	7.02	5.87
MPT-8-P2	368584.22	2205240.42	12.70	10.15	2.55	10.62	2.08	11.13	1.57
MPT-8-P3	368103.65	2205051.43	13.17	10.35	2.82	10.95	2.22	11.50	1.67
MPT-8-P4	367807.85	2204484.88	14.67	6.60	8.07	7.89	6.78	11.00	3.67
MPT-8-P5	367285.99	2203955.67	14.00	2.65	11.35	3.18	10.82	9.37	4.63
MPT-8-P6	366739.47	2203359.60	14.87	6.72	8.15	7.48	7.39	8.50	6.37
MPT-9-1	367081.42	2205218.76	14.42	12.32	2.10	12.66	1.76	10.89	3.53
MPT-9-2	367012.32	2205465.38	13.39			12.12	1.27	12.29	1.10
MPT-9-3	367182.99	2205507.62	11.53			10.45	1.08	10.57	0.96
MPT-9-P1	367665.52	2205413.58	12.22					11.21	1.01
MPT-10-P1	365963.80	2204745.46	10.68	8.18	2.50	8.43	2.25	8.92	1.76
MPT-11-MW-1	369851.23	2205130.88	12.16	10.77	1.39	10.80	1.36	11.15	1.01
MPT-11-MW-2	369902.23	2205331.99	10.42	9.23	1.19	9.53	0.89	9.50	0.92
MPT-11-MW-3	369802.75	2205342.93	9.97	8.90	1.07	9.16	0.81	6.07	3.90
MPT-13-1	368004.04	2202051.50	13.06			7.11	5.95	7.60	5.46
MPT-13-2	367476.40	2201306.77	12.79	6.61	6.18	6.81	5.98	6.92	5.87
MPT-13-3	367740.56	2200862.19	10.41	5.72	4.69	5.83	4.58	6.05	4.36
MPT-13-MW-4	367688.02	2201085.38	9.88	3.93	5.95	3.98	5.90	4.19	5.69
MPT-13-MW-5	367718.67	2201499.20	10.04	3.34	6.70	3.57	6.47		
MPT-13-MW-6	367684.00	2201904.44	9.66	2.30	7.36	2.30	7.36	2.74	6.92
MPT-13-MW-7	367844.66	2201097.10	8.56						
MPT-13-MW-8	367393.65	2202014.26	10.47						
MPT-13-MW-9	367548.90	2201869.31	9.29						
MPT-13-MW-10	367454.53	2201731.67	9.65						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 2/14/94 DEPTH (TOC)	WATER LEVEL 2/14/94 ELEV (MSL)	WATER LEVEL 3/14/94 DEPTH (TOC)	WATER LEVEL 3/14/94 ELEV (MSL)	WATER LEVEL 4/19/94 DEPTH (TOC)	WATER LEVEL 4/19/94 ELEV (MSL)
MPT-13-P1	366075.64	2201715.98	11.04	3.05	7.99			4.54	6.50
MPT-13-P3	367715.82	2201497.11	10.18	3.60	6.58	3.75	6.43	3.95	6.23
MPT-13-P4	368068.63	2201301.35	9.31	2.88	6.43	3.17	6.14	4.04	5.27
MPT-13-P5	367115.33	2200912.23	6.45	2.43	4.02	2.78	3.67	3.14	3.31
MPT-13-P6	366879.48	2202120.09	10.16	1.55	8.61			2.76	7.40
MPT-14-1	374860.12	2203770.87	7.56	5.72	1.84	5.97	1.59	6.10	1.46
MPT-14-2	374680.54	2203726.01	8.64	6.35	2.29	6.58	2.06	7.01	1.63
MPT-14-P1	374024.70	2203675.56	6.50	4.42	2.08	4.50	2.00	4.94	1.56
MPT-14-P2	375562.21	2204016.18	5.71	3.81	1.90	3.02	2.69	4.50	1.21
MPT-15-1	365726.19	2203210.74	12.14	4.68	7.46	5.55	6.59	6.53	5.61
MPT-15-MW2S	365941.84	2202904.36	11.77						
MPT-15-MW3S	365641.31	2203086.80	11.26						
MPT-15-MW4S	365778.92	2203165.15	12.18						
MPT-15-MW5I	365767.26	2203378.84	12.45						
MPT-15-MW5S	365771.49	2203377.06	12.37						
MPT-15-P1	365689.15	2204181.74	13.28	7.25	6.03	7.98	5.30	8.83	4.45
MPT-15-P2	365419.53	2203728.61	10.83	4.82	6.01	5.54	5.29	6.32	4.51
MPT-15-P3	365853.46	2202423.37	10.07	1.42	8.65	1.95	8.12	4.32	5.75
MPT-15-P4	362689.15	2199534.45	10.51						
MPT-16-2	367483.22	2205467.99	10.65	9.63	1.02	10.07	0.58	9.72	0.93
MPT-16-3	367599.09	2205439.14	11.19	9.82	1.37	10.27	0.92	10.15	1.04
MPT-16-MW-1D	367542.02	2205253.48	12.64	11.07	1.57	11.35	1.29	11.09	1.55
MPT-16-MW4S	367272.91	2205968.20	14.65						
MPT-17-P1	369942.21	2201071.35	7.97	3.78	4.19	4.40	3.57	5.08	2.89
MPT-17-P2	370630.28	2201113.61	7.72	4.08	3.64	4.45	3.27	5.01	2.71
MPT-22-MW-1	366582.71	2200638.40	7.15	2.14	5.01	2.54	4.61	3.55	3.60
MPT-22-MW-2S	366541.22	2200765.09	6.70						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 2/14/94 DEPTH (TOC)	WATER LEVEL 2/14/94 ELEV (MSL)	WATER LEVEL 3/14/94 DEPTH (TOC)	WATER LEVEL 3/14/94 ELEV (MSL)	WATER LEVEL 4/19/94 DEPTH (TOC)	WATER LEVEL 4/19/94 ELEV (MSL)
MPT-26-MW1S	366351.90	2200738.10	5.85						
MPT-26-MW2S	366292.19	2200620.96	6.88						
MPT-26-MW3S	366203.95	2200519.84	7.05						
MPT-26-MW4S	366329.36	2200554.29	7.21						
MPT-28-MW1S	365615.58	2204661.18	11.85						
MPT-56-MW1S	367377.77	2201436.19	8.97						
MPT-B-MW1D	372334.05	2199050.39	7.50						
MPT-B-MW1I	372332.38	2199057.82	7.19						
MPT-B-MW1S	372330.80	2199064.76	7.19						
S-1	366904.01	2204505.60	14.66						
MPT-S-1R	368037.97	2206144.00	14.59						
S-2	366493.83	2205369.66	10.08						
S-3	366783.91	2205411.61	11.90			10.40	1.50		
S-4	364658.45	2199526.50	9.61	6.10	3.51			6.68	2.93
TPW-1 **	366232.15	2204912.59	12.15						
TPW-1	FREE PRODUCT DEPTH								
TPW-2 **	366304.88	2205010.74	10.61						
TPW-2	FREE PRODUCT DEPTH								
TPW-3 **	366405.18	2205026.60	13.45						
TPW-3	FREE PRODUCT DEPTH								
TPW-4 **	366462.32	2205084.36	14.88						
TPW-4	FREE PRODUCT DEPTH								
TPW-5 **	366412.44	2205153.22	14.87						
TPW-5	FREE PRODUCT DEPTH								
TPW-6 **	366617.42	2205191.68	15.66						
TPW-6	FREE PRODUCT DEPTH								
TPW-7 **	366561.47	2205099.05	14.34						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 2/14/94 DEPTH (TOC)	WATER LEVEL 2/14/94 ELEV (MSL)	WATER LEVEL 3/14/94 DEPTH (TOC)	WATER LEVEL 3/14/94 ELEV (MSL)	WATER LEVEL 4/19/94 DEPTH (TOC)	WATER LEVEL 4/19/94 ELEV (MSL)
TPW-7	FREE PRODUCT DEPTH								
TPW-8 **	366661.61	2205114.02	14.65						
TPW-8	FREE PRODUCT DEPTH								
STAFF GAGE CG									
STAFF GAGE MU									
STAFF GAGE NB									
FUEL PIER STAGE			11.30						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 5/13/94 DEPTH (TOC)	WATER LEVEL 5/13/94 ELEV (MSL)	WATER LEVEL 7/1/94 DEPTH (TOC)	WATER LEVEL 7/1/94 ELEV (MSL)	WATER LEVEL 7/24/94 DEPTH (TOC)	WATER LEVEL 7/24/94 ELEV (MSL)
MAY-265-5	372958.91	2200963.68	9.37						
MPT-1-1	372829.0	2202286.9	16.96	8.38	8.58	12.37	4.59	12.32	4.64
MPT-1-2	372520.3	2202618.3	16.89	12.38	4.51	12.25	4.64	12.54	4.35
MPT-1-P1	372912.0	2203345.2	7.11	4.76	2.35			4.70	2.41
MPT-1-P2	373338.7	2202891.0	11.77	8.38	3.39			8.57	3.20
MPT-1-P3	372166.0	2202846.0	11.04	7.91	3.13			7.66	3.38
MPT-2-1	365498.7	2199297.5	10.33						
MPT-2-2	368573.7	2199855.4	7.56					3.65	3.91
MPT-2-3	364604.9	2199038.7	17.20						
MPT-2-4R	365011.2	2199896.7	8.29						
MPT-2-5	365958.5	2200114.4	9.91						
MPT-2-6	365492.5	2199779.9	9.43			4.47	4.96	3.07	6.36
MPT-2-7D	365934.4	2197403.6	9.70	6.66	3.04			6.78	2.92
MPT-2-7S	365926.7	2197405.6	10.49	6.67	3.82			6.01	4.48
MPT-2-8	365838.5	2200144.7	10.55	4.56	5.99			3.51	7.04
MPT-2-9D	366127.7	2200338.7	10.49						
MPT-2-9S	366127.4	2200345.5	10.50						
MPT-2-10	366391.8	2200333.6	10.02	4.55	5.47			3.20	6.82
MPT-2-15-DR	367585.3	2200458.0	6.89						
MPT-2-15-SR	367584.9	2200460.6	6.65						
MPT-2-MW-11I	368639.90	2198820.77	5.77					3.15	2.62
MPT-2-MW-11S	368644.3	2198829.9	5.73						
MPT-2-MW-12D	368319.8	2198211.9	5.42	3.04	2.38	3.26	2.16	2.94	2.48
MPT-2-MW-12S	368318.3	2198209.6	5.51	3.50	2.01	3.64	1.87	2.78	2.73
MPT-2-MW-13S	365692.6	2200319.6	7.57					1.56	6.01
MPT-2-MW-16D	365475.2	2200286.8	6.69	3.48	3.21			4.09	2.60
MPT-2-MW-16S	365475.4	2200289.0	6.73	3.79	2.94				

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 5/13/94 DEPTH (TOC)	WATER LEVEL 5/13/94 ELEV (MSL)	WATER LEVEL 7/1/94 DEPTH (TOC)	WATER LEVEL 7/1/94 ELEV (MSL)	WATER LEVEL 7/24/94 DEPTH (TOC)	WATER LEVEL 7/24/94 ELEV (MSL)
MPT-2-MW-17D	365773.2	2197412.0	7.79			3.48	4.31	3.72	4.07
MPT-2-MW-17S	365775.4	2197409.6	7.73			3.90	3.83	3.00	4.73
MPT-2-MW-17I	365767.72	2197417.06	7.83					4.97	2.86
MPT-2-MW-18I	366068.67	220055.45	6.51					2.47	4.04
MPT-2-MW-18S	366069.80	2200556.08	6.37					3.95	2.42
MPT-2-MW-19S	366211.19	2200025.53	32.50					25.27	7.23
MPT-2-MW-20S	366630.67	2199688.94	32.09					21.01	11.08
MPT-2-MW-21S	367896.59	2200051.54	7.56					3.75	3.81
MPT-2-MW-22I	365528.11	2199562.64	7.19						
MPT-2-MW-22S	365528.11	2199568.02	8.09						
MPT-2-MW-23S	368953.87	2199413.41	5.22					2.74	2.48
MPT-2-MW-23I	368950.54	2199408.85	5.36					5.01	0.35
MPT-2-MW-24S	365636.75	2199025.95	32.29					24.16	8.13
MPT-2-MW-25I	367458.00	2198858.49	31.78					29.32	2.46
MPT-2-MW-25S	367452.88	2198863.75	32.07					23.04	9.03
MPT-2-MW-26I	367495.39	2198091.42	32.35					29.07	3.28
MPT-2-MW-26S	367500.15	2198100.29	32.41					20.05	12.36
MPT-2-MW-27I	366591.50	2197395.60	7.99					5.33	2.66
MPT-2-MW-28S	364986.80	2198675.14	17.36					6.59	10.77
MPT-2-MW-29S	364774.65	2199942.71	9.43					3.72	5.71
MPT-2-MW-30S	365514.38	2200720.64	8.91					2.67	6.24
MPT-2-MW-31I	364246.62	2199944.99	9.08					6.52	2.56
MPT-2-MW-31S	364241.07	2199939.63	9.14					1.66	7.48
MPT-2-MW-32I	364816.58	2200580.26	8.39					7.91	0.48
MPT-2-MW-32S	364813.13	2200575.95	12.49					10.15	2.34
MPT-2-MW-33I	365495.74	2201367.39	9.33					6.63	2.70
MPT-2-[illegible]-33S	365490.50	2201361.44	9.47					0.83	[illegible]64

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 5/13/94 DEPTH (TOC)	WATER LEVEL 5/13/94 ELEV (MSL)	WATER LEVEL 7/1/94 DEPTH (TOC)	WATER LEVEL 7/1/94 ELEV (MSL)	WATER LEVEL 7/24/94 DEPTH (TOC)	WATER LEVEL 7/24/94 ELEV (MSL)
MPT-2-MW-34I	366613.91	2202541.83	10.81					13.70	-2.89
MPT-2-MW-34S	366609.38	2202536.55	10.46					1.15	9.31
MPT-2-MW-35I	363450.20	2200285.60	7.40					4.80	2.60
MPT-2-MW-35S	363445.31	2200281.06	7.36					1.90	5.46
MPT-2-MW-36D	364166.15	2200986.02	7.47					5.40	2.07
MPT-2-MW-36I	364162.25	2200981.47	7.57					5.55	2.02
MPT-2-MW-36S	364158.18	2200977.04	7.58					3.55	4.03
MPT-2-MW-37I	364906.60	2201740.28	6.84					5.15	1.69
MPT-2-MW-37S	364902.28	2201735.35	6.93					2.50	4.43
MPT-2-MW-38D	365571.52	2202412.40	8.38					6.23	2.15
MPT-2-MW-38I	365576.46	2202418.08	8.16					5.25	2.91
MPT-2-MW-38S	365562.98	2202402.71	8.14					2.69	5.45
MPT-2-P1	365497.2	2199063.9	7.75	2.72	5.03				
MPT-2-P2	365498.3	2198464.0	7.97						
MPT-2-P3	363421.2	2198074.8	31.93	24.03	7.90			25.04	6.89
MPT-2-P4	364241.4	2198966.8	32.74	25.15	7.59			26.02	6.72
MPT-2-P5	366452.8	2201086.7	7.15	4.82	2.33			3.71	3.44
MPT-2-P6	367964.8	2200321.5	5.10	3.06	2.04			2.45	2.65
MPT-2-P7	366597.0	2197396.9	7.95	2.40	5.55			3.74	4.21
MPT-2-P8	367731.9	2197417.0	6.35	3.44	2.91			2.94	3.41
MPT-2-P9	362977.9	2197566.0	32.18	25.23	6.95			26.20	5.98
MPT-2-P10	363415.5	2195899.8	32.02	24.00	8.02			27.51	4.51
MPT-2-P11	364395.6	2196198.9	31.85	25.36	6.49			26.01	5.84
MPT-2-P12	365157.0	2196870.3	32.75						
MPT-2-P13	367408.9	2199402.7	11.87					1.56	10.31
MPT-3-MW/3S	365692.60	2200319.46	7.57						
MPT-3-MW/8I	366068.69	2200551.45	6.51						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 5/13/94 DEPTH (TOC)	WATER LEVEL 5/13/94 ELEV (MSL)	WATER LEVEL 7/1/94 DEPTH (TOC)	WATER LEVEL 7/1/94 ELEV (MSL)	WATER LEVEL 7/24/94 DEPTH (TOC)	WATER LEVEL 7/24/94 ELEV (MSL)
MPT-3-MW/8S	366069.80	2200556.08	6.37						
MPT-8-1	366284.7	2204730.6	10.19	9.83	0.36			10.03	0.16
MPT-8-2 **	366261.8	2204968.2	13.93	11.97	2.00				
MPT-8-2	FREE PRODUCT DEPTH			11.93					
MPT-8-3 **	366363.4	2205069.4	13.72	11.92	1.80			13.05	1.36
MPT-8-3	FREE PRODUCT DEPTH			NP				12.25	
MPT-8-4 **	366255.02	2205098.29	11.90	10.21	1.69	11.11	0.79	10.55	1.35
MPT-8-4	FREE PRODUCT DEPTH			NP				NP	
MPT-8-5DD	366641.27	2203931.17	13.29	9.53	3.76			9.81	3.48
MPT-8-5I	366645.09	2203937.57	13.34					9.83	3.51
MPT-8-5S	366639.77	2203928.57	13.00	8.12	4.88			8.68	4.32
MPT-8-6	366149.22	2204828.90	11.57					8.05	3.52
MPT-8-7 **	366601.35	2205103.19	11.73	9.57	2.16			10.80	1.45
MPT-8-7	FREE PRODUCT DEPTH			NP				10.20	
MPT-8-8	366882.67	2205160.82	13.12					9.65	3.47
MPT-8-MW9	366890.10	2204961.31	12.55						
MPT-8-MW10	366823.89	2205154.03	13.11						
MPT-8-MW11 **	366493.34	2205203.57	11.46						
MPT-8-MW11	FREE PRODUCT DEPTH								
MPT-8-MW12	366969.93	2205289.81	12.93						
MPT-8-MW13I	366852.94	2205389.96	11.33						
MPT-8-MW13S	366852.94	2205389.96	11.33						
MPT-8-MW14	366701.22	2205362.05	10.72						
MPT-8-MW15I	366578.64	2205346.55	9.96						
MPT-8-MW15S	366393.49	2205227.24	10.03						
MPT-8-MW15S **	FREE PRODUCT DEPTH								
MPT-8-MW16S	366393.49	2205227.24	10.03						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 5/13/94 DEPTH (TOC)	WATER LEVEL 5/13/94 ELEV (MSL)	WATER LEVEL 7/1/94 DEPTH (TOC)	WATER LEVEL 7/1/94 ELEV (MSL)	WATER LEVEL 7/24/94 DEPTH (TOC)	WATER LEVEL 7/24/94 ELEV (MSL)
MPT-8-MW17	366229.49	2205125.44	10.89					9.64	1.25
MPT-8-MW18S	366161.36	2205001.92	8.80					7.12	1.68
MPT-8-MW19	366196.36	2205168.89	5.24						
MPT-8D-P1	367186.01	2204936.81	12.89	7.24	5.65				
MPT-8-P2	368584.22	2205240.42	12.70	10.93	1.77			11.03	1.67
MPT-8-P3	368103.65	2205051.43	13.17	11.21	1.96			11.04	2.13
MPT-8-P4	367807.85	2204484.88	14.67	9.22	5.45			9.03	5.64
MPT-8-P5	367285.99	2203955.67	14.00	8.70	5.30			5.30	8.70
MPT-8-P6	366739.47	2203359.60	14.87	8.61	6.26			8.93	5.94
MPT-9-1	367081.42	2205218.76	14.42	12.67	1.75	13.22	1.20	12.93	1.49
MPT-9-2	367012.32	2205465.38	13.39	11.88	1.51	12.75	0.64		
MPT-9-3	367182.99	2205507.62	11.53	9.98	1.55	11.06	0.47		
MPT-9-P1	367665.52	2205413.58	12.22	10.91	1.31			11.34	0.88
MPT-10-P1	365963.80	2204745.46	10.68	8.61	2.07			8.73	1.95
MPT-11-MW-1	369851.23	2205130.88	12.16	10.77	1.39	11.03	1.13	10.90	1.26
MPT-11-MW-2	369902.23	2205331.99	10.42	8.94	1.48	9.76	0.66	9.40	1.02
MPT-11-MW-3	369802.75	2205342.93	9.97	8.54	1.43	9.34	0.63	8.90	1.07
MPT-13-1	368004.04	2202051.50	13.06					6.93	6.13
MPT-13-2	367476.40	2201306.77	12.79	7.08	5.71			6.47	6.32
MPT-13-3	367740.56	2200862.19	10.41	6.14	4.27			5.17	5.24
MPT-13-MW-4	367688.02	2201085.38	9.88	5.08	4.80			4.83	5.05
MPT-13-MW-5	367718.67	2201499.20	10.04	3.79	6.25			3.33	6.71
MPT-13-MW-6	367684.00	2201904.44	9.66					2.40	7.26
MPT-13-MW-7	367844.66	2201097.10	8.56						
MPT-13-MW-8	367393.65	2202014.26	10.47						
MPT-13-MW-9	367548.90	2201869.31	9.29						
MPT-13-MW-10	367454.53	2201731.67	9.65						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 5/13/94 DEPTH (TOC)	WATER LEVEL 5/13/94 ELEV (MSL)	WATER LEVEL 7/1/94 DEPTH (TOC)	WATER LEVEL 7/1/94 ELEV (MSL)	WATER LEVEL 7/24/94 DEPTH (TOC)	WATER LEVEL 7/24/94 ELEV (MSL)
MPT-13-P1	366075.64	2201715.98	11.04	4.58	6.46			4.17	6.87
MPT-13-P3	367715.82	2201497.11	10.18	4.97	5.21			3.57	6.61
MPT-13-P4	368068.63	2201301.35	9.31	3.93	5.38			2.98	6.33
MPT-13-P5	367115.33	2200912.23	6.45	3.02	3.43			1.65	4.80
MPT-13-P6	366879.48	2202120.09	10.16	2.75	7.41			1.14	9.02
MPT-14-1	374860.12	2203770.87	7.56	5.75	1.81	6.22	1.34	5.43	2.13
MPT-14-2	374680.54	2203726.01	8.64			6.90	1.74	6.64	2.00
MPT-14-P1	374024.70	2203675.56	6.50	4.66	1.84			4.53	1.97
MPT-14-P2	375562.21	2204016.18	5.71	3.97	1.74			4.10	1.61
MPT-15-1	365726.19	2203210.74	12.14					6.90	5.24
MPT-15-MW2S	365941.84	2202904.36	11.77					5.03	6.74
MPT-15-MW3S	365641.31	2203086.80	11.26					5.80	5.46
MPT-15-MW4S	365778.92	2203165.15	12.18					6.71	5.47
MPT-15-MW5I	365767.26	2203378.84	12.45					8.95	3.50
MPT-15-MW5S	365771.49	2203377.06	12.37					8.50	3.87
MPT-15-P1	365689.15	2204181.74	13.28	9.14	4.14			9.62	3.66
MPT-15-P2	365419.53	2203728.61	10.83	6.50	4.33			6.74	4.09
MPT-15-P3	365853.46	2202423.37	10.07	2.92	7.15			1.90	8.17
MPT-15-P4	362689.15	2199534.45	10.51					5.00	5.51
MPT-16-2	367483.22	2205467.99	10.65	9.62	1.03	10.46	0.19	10.60	0.05
MPT-16-3	367599.09	2205439.14	11.19	9.68	1.51	10.70	0.49	10.50	0.69
MPT-16-MW-1D	367542.02	2205253.48	12.64	10.93	1.71	11.93	0.71	11.90	0.74
MPT-16-MW4S	367272.91	2205968.20	14.65			9.45	5.20	9.65	5.00
MPT-17-P1	369942.21	2201071.35	7.97	5.08	2.89			4.74	3.23
MPT-17-P2	370630.28	2201113.61	7.72	4.98	2.74			4.43	3.29
MPT-22-MW-1	366582.71	2200638.40	7.15	3.56	3.59			2.68	4.47
MPT-22-[illegible]-2S	366541.22	2200765.09	6.70					2.77	[illegible]

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 5/13/94 DEPTH (TOC)	WATER LEVEL 5/13/94 ELEV (MSL)	WATER LEVEL 7/1/94 DEPTH (TOC)	WATER LEVEL 7/1/94 ELEV (MSL)	WATER LEVEL 7/24/94 DEPTH (TOC)	WATER LEVEL 7/24/94 ELEV (MSL)
MPT-26-MW1S	366351.90	2200738.10	5.85					1.91	3.94
MPT-26-MW2S	366292.19	2200620.96	6.88					2.50	4.38
MPT-26-MW3S	366203.95	2200519.84	7.05					1.48	5.57
MPT-26-MW4S	366329.36	2200554.29	7.21					2.58	4.63
MPT-28-MW1S	365615.58	2204661.18	11.85					9.92	1.93
MPT-56-MW1S	367377.77	2201436.19	8.97						
MPT-B-MW1D	372334.05	2199050.39	7.50					5.08	2.42
MPT-B-MW1I	372332.38	2199057.82	7.19					4.54	2.65
MPT-B-MW1S	372330.80	2199064.76	7.19					5.21	1.98
S-1	366904.01	2204505.60	14.66						
MPT-S-1R	368037.97	2206144.00	14.59			3.65	10.94	3.12	11.47
S-2	366493.83	2205369.66	10.08					9.04	1.04
S-3	366783.91	2205411.61	11.90			11.17	0.73		
S-4	364658.45	2199526.50	9.61					6.52	3.09
TPW-1 **	366232.15	2204912.59	12.15					8.00	4.15
TPW-1	FREE PRODUCT DEPTH							NP	
TPW-2 **	366304.88	2205010.74	10.61					9.00	1.61
TPW-2	FREE PRODUCT DEPTH							NP	
TPW-3 **	366405.18	2205026.60	13.45					11.91	1.54
TPW-3	FREE PRODUCT DEPTH							NP	
TPW-4 **	366462.32	2205084.36	14.88					14.42	1.38
TPW-4	FREE PRODUCT DEPTH							13.35	
TPW-5 **	366412.44	2205153.22	14.87						
TPW-5	FREE PRODUCT DEPTH								
TPW-6 **	366617.42	2205191.68	15.66						
TPW-6	FREE PRODUCT DEPTH								
TPW-7 **	366561.47	2205099.05	14.34					12.85	1.49

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 5/13/94 DEPTH (TOC)	WATER LEVEL 5/13/94 ELEV (MSL)	WATER LEVEL 7/1/94 DEPTH (TOC)	WATER LEVEL 7/1/94 ELEV (MSL)	WATER LEVEL 7/24/94 DEPTH (TOC)	WATER LEVEL 7/24/94 ELEV (MSL)
TPW-7	FREE PRODUCT DEPTH							NP	
TPW-8 **	366661.61	2205114.02	14.65					13.10	1.55
TPW-8	FREE PRODUCT DEPTH							NP	
STAFF GAGE CG									
STAFF GAGE MU									
STAFF GAGE NB									
FUEL PIER STAGE			11.30						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 8/17/94 DEPTH (TOC)	WATER LEVEL 8/17/94 ELEV (MSL)	WATER LEVEL 8/30/94 DEPTH (TOC)	WATER LEVEL 8/30/94 ELEV (MSL)	WATER LEVEL 9/21/94 DEPTH (TOC)	WATER LEVEL 9/21/94 ELEV (MSL)
MAY-265-5	372958.91	2200963.68	9.37				5.16		
MPT-1-1	372829.0	2202286.9	16.96			11.80	5.16		
MPT-1-2	372520.3	2202618.3	16.89						
MPT-1-P1	372912.0	2203345.2	7.11			4.87	2.24	3.07	4.04
MPT-1-P2	373338.7	2202891.0	11.77			8.27	3.50		
MPT-1-P3	372166.0	2202846.0	11.04			7.87	3.17	7.42	3.62
MPT-2-1	365498.7	2199297.5	10.33						
MPT-2-2	368573.7	2199855.4	7.56					2.76	4.80
MPT-2-3	364604.9	2199038.7	17.20			8.48	8.72	8.08	9.12
MPT-2-4R	365011.2	2199896.7	8.29						
MPT-2-5	365958.5	2200114.4	9.91			2.85	7.06		
MPT-2-6	365492.5	2199779.9	9.43			4.20	5.23	3.15	6.28
MPT-2-7D	365934.4	2197403.6	9.70			5.70	4.00	5.93	3.77
MPT-2-7S	365926.7	2197405.6	10.49			4.60	5.89	5.38	5.11
MPT-2-8	365838.5	2200144.7	10.55						
MPT-2-9D	366127.7	2200338.7	10.49						
MPT-2-9S	366127.4	2200345.5	10.50						
MPT-2-10	366391.8	2200333.6	10.02			3.61	6.41	2.98	7.04
MPT-2-15-DR	367585.3	2200458.0	6.89						
MPT-2-15-SR	367584.9	2200460.6	6.65						
MPT-2-MW-11I	368639.90	2198820.77	5.77			3.72	2.05	2.82	2.95
MPT-2-MW-11S	368644.3	2198829.9	5.73						
MPT-2-MW-12D	368319.8	2198211.9	5.42			3.10	2.32	2.11	3.31
MPT-2-MW-12S	368318.3	2198209.6	5.51			3.41	2.10	1.47	4.04
MPT-2-MW-13S	365692.6	2200319.6	7.57			1.92	5.65	0.78	6.79
MPT-2-MW-16D	365475.2	2200286.8	6.69						
MPT-2-MW-16S	365475.4	2200289.0	6.73						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 8/17/94 DEPTH (TOC)	WATER LEVEL 8/17/94 ELEV (MSL)	WATER LEVEL 8/30/94 DEPTH (TOC)	WATER LEVEL 8/30/94 ELEV (MSL)	WATER LEVEL 9/21/94 DEPTH (TOC)	WATER LEVEL 9/21/94 ELEV (MSL)
MPT-2-MW-17D	365773.2	2197412.0	7.79			3.20	4.59	3.08	4.71
MPT-2-MW-17S	365775.4	2197409.6	7.73			2.87	4.86	2.38	5.35
MPT-2-MW-17I	365767.72	2197417.06	7.83			4.87	2.96	4.30	3.53
MPT-2-MW-18I	366068.67	220055.45	6.51			3.78	2.73		
MPT-2-MW-18S	366069.80	2200556.08	6.37			2.58	3.79		
MPT-2-MW-19S	366211.19	2200025.53	32.50			20.40	12.10	22.65	9.85
MPT-2-MW-20S	366630.67	2199688.94	32.09			11.38	20.71	14.74	17.35
MPT-2-MW-21S	367896.59	2200051.54	7.56			4.00	3.56		
MPT-2-MW-22I	365528.11	2199562.64	7.19			4.28	2.91	4.80	2.39
MPT-2-MW-22S	365528.11	2199568.02	8.09			2.75	5.34	2.18	5.91
MPT-2-MW-23S	368953.87	2199413.41	5.22			2.92	2.30	1.82	3.40
MPT-2-MW-23I	368950.54	2199408.85	5.36			3.15	2.21	2.18	3.18
MPT-2-MW-24S	365636.75	2199025.95	32.29			19.30	12.99	22.23	10.06
MPT-2-MW-25I	367458.00	2198858.49	31.78					28.11	3.67
MPT-2-MW-25S	367452.88	2198863.75	32.07			29.29	2.78		
MPT-2-MW-26I	367495.39	2198091.42	32.35			6.20	26.15	29.15	3.20
MPT-2-MW-26S	367500.15	2198100.29	32.41			29.80	2.61	12.34	20.07
MPT-2-MW-27I	366591.50	2197395.60	7.99			5.41	2.58	4.80	3.19
MPT-2-MW-28S	364986.80	2198675.14	17.36			6.28	11.08	6.24	11.12
MPT-2-MW-29S	364774.65	2199942.71	9.43			3.58	5.85	1.35	8.08
MPT-2-MW-30S	365514.38	2200720.64	8.91			3.08	5.83	0.67	8.24
MPT-2-MW-31I	364246.62	2199944.99	9.08			6.35	2.73	5.75	3.33
MPT-2-MW-31S	364241.07	2199939.63	9.14			2.26	6.88	0.20	8.94
MPT-2-MW-32I	364816.58	2200580.26	8.39			7.75	0.64	7.15	1.24
MPT-2-MW-32S	364813.13	2200575.95	12.49			2.60	9.89	0.25	12.24
MPT-2-MW-33I	365495.74	2201367.39	9.33			6.45	2.88	5.72	3.61
MPT-2-M[illegible]-33S	365490.50	2201361.44	9.47			2.02	7.45	0.10	[illegible]

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 8/17/94 DEPTH (TOC)	WATER LEVEL 8/17/94 ELEV (MSL)	WATER LEVEL 8/30/94 DEPTH (TOC)	WATER LEVEL 8/30/94 ELEV (MSL)	WATER LEVEL 9/21/94 DEPTH (TOC)	WATER LEVEL 9/21/94 ELEV (MSL)
MPT-2-MW-34I	366613.91	2202541.83	10.81			11.85	-1.04	5.33	5.48
MPT-2-MW-34S	366609.38	2202536.55	10.46			2.21	8.25	-0.30	
MPT-2-MW-35I	363450.20	2200285.60	7.40			4.74	2.66		
MPT-2-MW-35S	363445.31	2200281.06	7.36			2.24	5.12		
MPT-2-MW-36D	364166.15	2200986.02	7.47			4.46	3.01		
MPT-2-MW-36I	364162.25	2200981.47	7.57			5.52	2.05		
MPT-2-MW-36S	364158.18	2200977.04	7.58			3.57	4.01		
MPT-2-MW-37I	364906.60	2201740.28	6.84			4.92	1.92		
MPT-2-MW-37S	364902.28	2201735.35	6.93			2.00	4.93		
MPT-2-MW-38D	365571.52	2202412.40	8.38			6.14	2.24	5.35	3.03
MPT-2-MW-38I	365576.46	2202418.08	8.16			5.57	2.59	4.75	3.41
MPT-2-MW-38S	365562.98	2202402.71	8.14			3.31	4.83	0.25	7.89
MPT-2-P1	365497.2	2199063.9	7.75			2.58	5.17		
MPT-2-P2	365498.3	2198464.0	7.97						
MPT-2-P3	363421.2	2198074.8	31.93			25.23	6.70	25.12	6.81
MPT-2-P4	364241.4	2198966.8	32.74			29.00	3.74	25.74	7.00
MPT-2-P5	366452.8	2201086.7	7.15			4.68	2.47	3.42	3.73
MPT-2-P6	367964.8	2200321.5	5.10						
MPT-2-P7	366597.0	2197396.9	7.95			3.09	4.86	2.86	5.09
MPT-2-P8	367731.9	2197417.0	6.35					2.55	3.80
MPT-2-P9	362977.9	2197566.0	32.18			26.34	5.84	26.12	6.06
MPT-2-P10	363415.5	2195899.8	32.02						
MPT-2-P11	364395.6	2196198.9	31.85			27.31	4.54	25.95	5.90
MPT-2-P12	365157.0	2196870.3	32.75						
MPT-2-P13	367408.9	2199402.7	11.87						
MPT-3-MW/3S	365692.60	2200319.46	7.57						
MPT-3-MW/8I	366068.69	2200551.45	6.51						

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 8/17/94 DEPTH (TOC)	WATER LEVEL 8/17/94 ELEV (MSL)	WATER LEVEL 8/30/94 DEPTH (TOC)	WATER LEVEL 8/30/94 ELEV (MSL)	WATER LEVEL 9/21/94 DEPTH (TOC)	WATER LEVEL 9/21/94 ELEV (MSL)
MPT-3-MW/8S	366069.80	2200556.08	6.37						
MPT-8-1	366284.7	2204730.6	10.19	9.80	0.39	10.01	0.18	7.87	2.32
MPT-8-2 **	366261.8	2204968.2	13.93	12.38	1.72	12.81	1.68	11.20	3.14
MPT-8-2	FREE PRODUCT DEPTH			12.18		12.16		10.72	
MPT-8-3 **	366363.4	2205069.4	13.72	13.05	1.40	12.98	1.51	11.45	2.79
MPT-8-3	FREE PRODUCT DEPTH			12.20		12.09		10.85	
MPT-8-4 **	366255.02	2205098.29	11.90	10.30	1.60	10.52	1.38	9.30	2.60
MPT-8-4	FREE PRODUCT DEPTH			NP		10.52		NP	
MPT-8-5DD	366641.27	2203931.17	13.29			9.99	3.30	9.15	4.14
MPT-8-5I	366645.09	2203937.57	13.34			9.68	3.66	8.20	5.14
MPT-8-5S	366639.77	2203928.57	13.00			8.67	4.33	6.81	6.19
MPT-8-6	366149.22	2204828.90	11.57	7.90	3.67	8.29	3.28	6.00	5.57
MPT-8-7 **	366601.35	2205103.19	11.73	10.60	1.56	10.47	1.73	9.59	3.18
MPT-8-7	FREE PRODUCT DEPTH			10.10		9.92		8.38	
MPT-8-8	366882.67	2205160.82	13.12	9.45	3.67	9.95	3.17	8.15	4.97
MPT-8-MW9	366890.10	2204961.31	12.55	7.10	5.45	7.37	5.18	5.20	7.35
MPT-8-MW10	366823.89	2205154.03	13.11	11.15	1.96	11.04	2.07	9.55	3.56
MPT-8-MW11 **	366493.34	2205203.57	11.46	11.25	1.24	11.03	1.39	9.44	2.70
MPT-8-MW11	FREE PRODUCT DEPTH			10.05		9.91		8.65	
MPT-8-MW12	366969.93	2205289.81	12.93	11.61	1.32	11.52	1.41	10.25	2.68
MPT-8-MW13I	366852.94	2205389.96	11.33					8.81	2.52
MPT-8-MW13S	366852.94	2205389.96	11.33	10.27	1.06	10.15	1.18	8.55	2.78
MPT-8-MW14	366701.22	2205362.05	10.72	9.75	0.97	9.58	1.14	7.96	2.76
MPT-8-MW15I	366578.64	2205346.55	9.96					7.45	2.51
MPT-8-MW15S	366393.49	2205227.24	10.03	9.78	0.91	9.28	1.14	7.29	2.75
MPT-8-MW15S **	FREE PRODUCT DEPTH			9.01		8.83		7.28	
MPT-8-[illegible]16S	366393.49	2205227.24	10.03	9.28	0.75	9.14	0.89	7.62	2.41

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MPT-8-MW17	366229.49	2205125.44	10.89			9.48	1.41	8.43	2.46
MPT-8-MW18S	366161.36	2205001.92	8.80	7.10	1.70	7.18	1.62		
MPT-8-MW19	366196.36	2205168.89	5.24						
MPT-8D-P1	367186.01	2204936.81	12.89	7.00	5.89			4.95	7.94
MPT-8-P2	368584.22	2205240.42	12.70			10.80	1.90	9.80	2.90
MPT-8-P3	368103.65	2205051.43	13.17			11.09	2.08	9.97	3.20
MPT-8-P4	367807.85	2204484.88	14.67			9.19	5.48	6.93	7.74
MPT-8-P5	367285.99	2203955.67	14.00					2.67	11.33
MPT-8-P6	366739.47	2203359.60	14.87			8.75	6.12	7.27	7.60
MPT-9-1	367081.42	2205218.76	14.42	12.90	1.52	12.80	1.62	11.61	2.81
MPT-9-2	367012.32	2205465.38	13.39	12.46	0.93	12.30	1.09	10.71	2.68
MPT-9-3	367182.99	2205507.62	11.53	10.78	0.75	10.59	0.94	9.03	2.50
MPT-9-P1	367665.52	2205413.58	12.22						
MPT-10-P1	365963.80	2204745.46	10.68	8.68	2.00	8.71	1.97	7.48	3.20
MPT-11-MW-1	369851.23	2205130.88	12.16			10.75	1.41	9.99	2.17
MPT-11-MW-2	369902.23	2205331.99	10.42			9.29	1.13		
MPT-11-MW-3	369802.75	2205342.93	9.97					7.82	2.15
MPT-13-1	368004.04	2202051.50	13.06			7.30	5.76		
MPT-13-2	367476.40	2201306.77	12.79			6.89	5.90	5.58	7.21
MPT-13-3	367740.56	2200862.19	10.41			6.02	4.39	4.82	5.59
MPT-13-MW-4	367688.02	2201085.38	9.88			5.13	4.75	2.15	7.73
MPT-13-MW-5	367718.67	2201499.20	10.04			3.70	6.34	2.62	7.42
MPT-13-MW-6	367684.00	2201904.44	9.66			2.45	7.21		
MPT-13-MW-7	367844.66	2201097.10	8.56			3.54	5.02		
MPT-13-MW-8	367393.65	2202014.26	10.47			2.90	7.57		
MPT-13-MW-9	367548.90	2201869.31	9.29			2.15	7.14		
MPT-13-MW-10	367454.53	2201731.67	9.65			2.56	7.09		

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WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 8/17/94 DEPTH (TOC)	WATER LEVEL 8/17/94 ELEV (MSL)	WATER LEVEL 8/30/94 DEPTH (TOC)	WATER LEVEL 8/30/94 ELEV (MSL)	WATER LEVEL 9/21/94 DEPTH (TOC)	WATER LEVEL 9/21/94 ELEV (MSL)
MPT-13-P1	366075.64	2201715.98	11.04						
MPT-13-P3	367715.82	2201497.11	10.18			3.89	6.29	2.82	7.36
MPT-13-P4	368068.63	2201301.35	9.31			2.49	6.82	2.00	7.31
MPT-13-P5	367115.33	2200912.23	6.45			5.82	0.63	2.23	4.22
MPT-13-P6	366879.48	2202120.09	10.16						
MPT-14-1	374860.12	2203770.87	7.56					4.71	2.85
MPT-14-2	374680.54	2203726.01	8.64			6.63	2.01	5.46	3.18
MPT-14-P1	374024.70	2203675.56	6.50			4.67	1.83	3.18	3.32
MPT-14-P2	375562.21	2204016.18	5.71			4.15	1.56	2.72	2.99
MPT-15-1	365726.19	2203210.74	12.14	6.43	5.71	6.79	5.35		
MPT-15-MW2S	365941.84	2202904.36	11.77	4.75	7.02	5.04	6.73	2.97	8.80
MPT-15-MW3S	365641.31	2203086.80	11.26	5.46	5.80	5.79	5.47	3.90	7.36
MPT-15-MW4S	365778.92	2203165.15	12.18	6.18	6.00	6.49	5.69	4.59	7.59
MPT-15-MW5I	365767.26	2203378.84	12.45			8.67	3.78	7.27	5.18
MPT-15-MW5S	365771.49	2203377.06	12.37	8.04	4.33	8.19	4.18	6.63	5.74
MPT-15-P1	365689.15	2204181.74	13.28			9.45	3.83	8.16	5.12
MPT-15-P2	365419.53	2203728.61	10.83			6.56	4.27	5.94	4.89
MPT-15-P3	365853.46	2202423.37	10.07			2.89	7.18		
MPT-15-P4	362689.15	2199534.45	10.51			4.77	5.74	3.25	7.26
MPT-16-2	367483.22	2205467.99	10.65			9.28	1.37	6.70	3.95
MPT-16-3	367599.09	2205439.14	11.19	10.26	0.93	9.96	1.23	9.93	1.26
MPT-16-MW-1D	367542.02	2205253.48	12.64	11.00	1.64	10.86	1.78	10.26	2.38
MPT-16-MW4S	367272.91	2205968.20	14.65			9.26	5.39	7.59	7.06
MPT-17-P1	369942.21	2201071.35	7.97			4.89	3.08		
MPT-17-P2	370630.28	2201113.61	7.72			4.75	2.97		
MPT-22-MW-1	366582.71	2200638.40	7.15			3.13	4.02	0.89	6.26
MPT-22-[illegible]V-2S	366541.22	2200765.09	6.70			2.99	3.71	0.94	[illegible]76

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MPT-26-MW1S	366351.90	2200738.10	5.85			2.26	3.59		
MPT-26-MW2S	366292.19	2200620.96	6.88			2.72	4.16		
MPT-26-MW3S	366203.95	2200519.84	7.05			2.28	4.77		
MPT-26-MW4S	366329.36	2200554.29	7.21			2.88	4.33	1.31	5.90
MPT-28-MW1S	365615.58	2204661.18	11.85			9.93	1.92	8.66	3.19
MPT-56-MW1S	367377.77	2201436.19	8.97			2.50	6.47	1.29	7.68
MPT-B-MW1D	372334.05	2199050.39	7.50						
MPT-B-MW1I	372332.38	2199057.82	7.19						
MPT-B-MW1S	372330.80	2199064.76	7.19						
S-1	366904.01	2204505.60	14.66						
MPT-S-1R	368037.97	2206144.00	14.59			4.50	10.09	1.40	13.19
S-2	366493.83	2205369.66	10.08	8.82	1.26	8.89	1.19	7.41	2.67
S-3	366783.91	2205411.61	11.90	11.02	0.88	10.80	1.10	9.00	2.90
S-4	364658.45	2199526.50	9.61			6.43	3.18	5.94	3.67
TPW-1 **	366232.15	2204912.59	12.15	7.92	4.23	8.28	3.87	6.52	5.63
TPW-1	FREE PRODUCT DEPTH			NP		NP		NP	
TPW-2 **	366304.88	2205010.74	10.61	9.10	1.60	9.08	1.64		
TPW-2	FREE PRODUCT DEPTH			9.00		8.95			
TPW-3 **	366405.18	2205026.60	13.45	11.85	1.60	11.72	1.73	10.32	3.13
TPW-3	FREE PRODUCT DEPTH			NP		NP		NP	
TPW-4 **	366462.32	2205084.36	14.88	14.20	1.44	13.98	1.61	12.78	2.90
TPW-4	FREE PRODUCT DEPTH			13.32		13.15		11.85	
TPW-5 **	366412.44	2205153.22	14.87	14.09	1.34	13.99	1.36	12.92	2.92
TPW-5	FREE PRODUCT DEPTH			13.44		13.43		11.79	
TPW-6 **	366617.42	2205191.68	15.66	15.00	1.43	14.72	1.48	14.57	2.98
TPW-6	FREE PRODUCT DEPTH			14.10		14.09		12.37	
TPW-7 **	366561.47	2205099.05	14.34	12.76	1.59	12.72	1.71	11.49	3.23

Table G-1
Appendix G, Potentiometric Surface Survey

Groups I and II RFA/SV Report
U.S. Naval Station
Mayport, Florida

WELL/LOCATION	X EASTING ST PLN	Y NORTHING ST PLN	Z ELEV (MSL)	WATER LEVEL 8/17/94 DEPTH (TOC)	WATER LEVEL 8/17/94 ELEV (MSL)	WATER LEVEL 8/30/94 DEPTH (TOC)	WATER LEVEL 8/30/94 ELEV (MSL)	WATER LEVEL 9/21/94 DEPTH (TOC)	WATER LEVEL 9/21/94 ELEV (MSL)
TPW-7	FREE PRODUCT DEPTH			12.75		12.62		11.05	
TPW-8 **	366661.61	2205114.02	14.65	12.98	1.67	12.78	1.87	10.15	4.50
TPW-8	FREE PRODUCT DEPTH			NP		NP		10.15	
STAFF GAGE CG									
STAFF GAGE MU									
STAFF GAGE NB									
FUEL PIER STAGE			11.30					10.50	0.80

ABB

December 20, 1995

Commanding Officer
Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
Charleston SC 29418

Attention: Mr. David Driggers (Code 1582)

SUBJECT: **FDEP Technical Review Comments and Errata**
Resource Conservation and Recovery Act
Facility Assessment Sampling Visit Report
Group I and II Solid Waste Management Units
U.S. Naval Station, Mayport, FL
Contract No. N62467-89-D-0317

Dear Mr. Driggers:

Enclosed is a copy of the response to comments made by the Florida Department of Environmental Protection in correspondence dated June 6 and 7, 1995, and correspondence dated August 21, 1995, concerning draft and final versions, respectively, of the Resource Conservation and Recovery Act Facility Assessment Sampling Visit (RFA SV) Report Group I and II Solid Waste Management Units, U.S. Naval Station, Mayport, Florida. The response to comments are errata to be placed in Appendix H of the RFA SV report.

The following is a listing of the pages where revisions were made to the subject document at the request of FDEP and additional review of the report text. Please remove the following pages and replace with the attached errata sheets.

- Page 4-1 and 4-2
- Pages 4-5 through 4-16
- Pages 4-23 and 4-24
- References, Ref-1 through Ref-3
- Appendix C, C-1 through C-9
- Appendix H, H-1 through H-7

Also, please place this letter at the beginning of Appendix H to document the placement of these errata pages in the final document.

Sponsor Special Olympics World Games Connecticut 1995

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December 20, 1995
Mr. David Driggers (Code 1582)

If you have any questions, please call me at 904-656-1293.

Very truly yours,

ABB ENVIRONMENTAL SERVICES INC.

Francis K. Lesesne, P.G.
Project Technical Lead

Terry J. Hansen, P.G.
Project Manager

cc: Cheryl Mitchell, NAVSTA Mayport
Martha Berry, USEPA Region IV
James Cason, FDEP
Steve Santamaria, Bechtel

APPENDIX H

RESPONSE TO REGULATORY COMMENTS

RESPONSE TO COMMENTS FROM FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION RCRA FACILITY ASSESSMENT SAMPLING VISIT REPORT GROUP I AND II SOLID WASTE MANAGEMENT UNITS

U.S. NAVAL STATION MAYPORT, FLORIDA

UIC: N60201

Contract No. N62467-89-D-0317/028

Prepared by:

ABB Environmental Services, Inc.
2590 Executive Center Circle, East
Tallahassee, Florida 32301

Prepared for:

Department of the Navy, Southern Division
Naval Facilities Engineering Command
2155 Eagle Drive
North Charleston, South Carolina 29418

David Driggers, Engineer-in-Charge

July 1995

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RFA Sampling Visit Report Group I and II SWMUs, NAVSTA Mayport, Florida

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PROJECT REVIEW COMMENTS

Resource Conservation and Recovery Act (RCRA
Facility Assessment Sampling Visit Report
Groups I and II SWMUs
U.S. Naval Station
Mayport Florida

INTRODUCTION

ABB Environmental Services, Inc, (ABB-ES) under the Comprehensive Long-term Environmental Action Navy (CLEAN) Contract, No. N62467-89-D-0317, is conducting a Resource Conservation and Recovery Act (RCRA) Facility Investigation (RFI) on behalf of the U.S. Navy at Naval Station (NAVSTA) Mayport, Florida. This investigation is being conducted in accordance with the Hazardous and Solid Waste Amendment (HSWA) permit No. FL9-170-024-260, issued by the U.S. Environmental Protection Agency (USEPA) on March 25, 1988 and revised and reissued June 15, 1993.

The purpose of this document is to respond to comments made in correspondence dated June 6, 1995 and June 7, 1995, by the Florida Department of Environmental Protection (FDEP) to Department of the Navy, Southern Division Naval Facilities Engineering Command, concerning the Final Resource Conservation and Recovery Act Facility Assessment Report, Group I and II Solid Waste Management Units, U.S. Naval Station Mayport, Florida, dated April 1995. Comments by the U.S. Environmental Protection Agency (USEPA) were discussed in a NAVSTA Mayport Partnering Meeting on June 22, 1995, and are documented in the minutes for the meeting. USEPA's comments are addressed in revisions to the report. The report is organized to include:

- Section 2.0 contains responses to comments made by FDEP's Technical Review Section in correspondence dated June 6, 1995; and
- Section 3.0 contains responses to comments made by FDEP's Natural Resource Trustee in correspondence dated June 7, 1995; and
- Section 4.0 contains response to comments made by FDEP's Technical Review Section in correspondence dated August 21, 1995.

Response to FDEP Comments in Correspondence Dated June 6, 1995

1. **There are several references to the Federal National Contingency Plan (NCP) where it is stated that "for carcinogen, a lifetime excess cancer risk in the range of 10^{-4} .... to 10^{-6} represents concentrations that are protective of human health." The Department has, as a goal, cleanup levels for individual carcinogens corresponding to an incremental cancer risk of 10^{-6} for the most-exposed individuals. Because cancer risk from multiple agents is additive and sites rarely involve exposure to only one carcinogen, the cumulative cancer risk posed by contaminants at most sites should be considered and the above statement from the NCP is not consistent with the stated position of the State of Florida with respect to acceptable risk levels.**

   At the time the report was prepared, USEPA and FDEP had conflicting guidance on presentation of excess cancer risks for carcinogens. During a meeting held on May 1, 1995, FDEP provided guidance that remedial goal options (RGOs) proposed for a site should include values representing an excess lifetime risk of 10^{-6} for carcinogens or a hazard quotient of 1 for noncarcinogens. However, the purpose of this report is not to provide RGOs but to assess whether a RCRA Facility Investigation (RFI) is required for the site by confirming whether contamination is present at concentrations that may pose an adverse risk to human health or the environment. Therefore, target analytes detected in the media sampled (soil, sediment, surface water, groundwater) were screened against criteria that included excess lifetime risk values of 10^{-6} for carcinogens and hazard quotients at .1 or 1 for noncarcinogens. Excess lifetime risk values and hazard quotients for chemicals detected in individual media were summed separately for carcinogens and noncarcinogens (please refer to Appendix C).

   The default assumptions used in estimating risk based bench mark concentrations may not be representative and likely overstate the specific exposure present at a site (i.e. underestimate the concentration that would result in a lifetime excess cancer risk of $1x10^{-6}$). Because the chemicals were detected in only one or two media (i.e. soil and or groundwater) all of the exposure pathways used to estimate the bench mark concentrations are not relevant. Therefore, the concentrations observed at the site may exceed the bench mark values (USEPA, 1994, USEPA, 1995, and FDEP, 1995) but actually result in a lower excess cancer risk than $1x10^{-6}$.

2. **Reference is made to FDEP guidance documents (McDonald, 1993; Cleanup Goals for the Military Sites in Florida, July, 1994) which have been revised. In some cases, changes are slight, but in others, new elements or compounds have been added (such as beryllium in soil and benzo(a)anthracene in sediment). Please utilize the latest guidance documents in preparing the final document as conclusions and possibly recommendations may change.**

Since the writing of the RFA, the State has released new guidelines for sediment quality ("Approach to the Assessment of Sediment Quality in Florida Coastal Waters", MacDonald 1994) and soil cleanup levels (Soil Cleanup Goals for Military Sites," FDEP, April 5, 1995). These guidance values are used in the final version of the RFA Sampling Visit Report for Group I and II SWMUs.

3. **I suggest that, during future sampling events, an additional sampling site be added to Site 49 at the discharge point for the helipad flyup rinse area as we have previously discussed.**

The follow up investigation (ecological risk assessment) of SWMU 49 will include sampling at the discharge area for the helipad flyup rinse.

4. **On page 4-7, Table 4-2, reference number 6 incorrectly relates Chapter 62-302 to the Florida Legislature, 1995. Please correct this error.**

The citation will be updated to reference Chapter 62-302 of the Florida Administration Code (FAC) as amended in 1995.

5. **Table 7-10, page 7-31 presents Water Quality Parameters for SWMU 48. This should be SWMU 28. Please correct it.**

Comment acknowledged, corrections will be made to correct discrepancies between text, tables and figures.

Response to FDEP Comments in Correspondence Dated June 7, 1995

1. **Table 3-4 (CPCs in Surface Water Samples at SWMU 49), p. 3-11, screens constituents to Ambient Water Quality Criteria (AWQC), Florida Surface Water Quality Standards (FSWQS), and Background (BG). Where was the background sample locations? All background sampling locations for all media should be included in the text and on figures.**

In an effort to reduce the redundant presentation of background information for the NAVSTA Mayport Corrective Action Program, information such as the location of background samples (surface and subsurface soil, surface water, sediment and groundwater samples) and analytical results are provided in the NAVSTA Mayport RCRA Corrective Action Program General Information Report (GIR) (ABB-ES, 1995).

2. **Section 3. 5. 2, (Recommendations), p.3-33, discusses what possible action should be taken at SWMU 49; either no further action (NFA) or a monitoring program. The fact**

that SWMU 49 is a retention pond which receives storm water runoff from various areas presents an issue of storm water discharge problems.

Storm water discharge areas tend to collect many hazardous substances from many various sources and can provide ecological and human health risks, as well as toxicity to biota. Retention basins may often become wetland environments which begin to provide habitat for aquatic species and foraging habitat for terrestrial species (e.g., wading birds).

To eliminate or reduce these risks based upon the exceedences of surface water standards and criteria, and sediment guidance values, we recommend dredging and disposal of the current sediment and future maintenance dredging based upon monitoring (semi-annual) results of the surface water and sediment. We also recommend locating all storm water discharge areas which do not have some form of retention prior to discharge into a wetland or surface water body. Those which do not have a retention basin should be evaluated for possible retention basin construction to eliminate or reduce potential risks to the environment.

Several analytes were detected in the surface water and sediments sample at concentrations above Ambient Water Quality Criteria (AWQC) or sediment bench mark values. Additional sampling is needed to determine if the concentrations detected are having a deleterious effects on the ecology in the area. On page 3-33 of the report it was indicated that ecological diversity measurements and aquatic and sediment toxicity testing should be conducted to assess whether SWMU 49 should be placed on the RFI list, the no further action list or have a monitoring plan established to assess whether continued discharge from the industrial area is adversely affecting the ecology of the two ponds. This data would be used to conduct a focused ecological risk assessment for the SWMU. The results of this focused ecological risk assessment will be used to determine whether no further investigation, monitoring or remediation is warrented.

If the assessment determines that the stress experienced by the ecosystem is within acceptable range for a man-made and maintained structure, then the Navy would recommend no further action to be taken at SWMU 49. If significant stress is identified, then additional monitoring or remediation measures will be proposed and implemented.

It should be noted that FDEP guidance from Guidelines for Sampling, Analyzing and Disposal of Storm Water Sediments (FDEP, 1992) recommends assessing the existing biota before removal of contamination in storm water sediments. The removal action will be performed only if the results of the focused ecological risk assessment indicate the need for sediment removal as a means to protect the ecosystem.

3. **Figure 4-1 (1992 Sediment and Surface Water Sampling Locations at SWMU 50), p. 4-9, should include the location of groundwater monitoring wells, if any, were established. Also, the surface water outfalls for these basins should be included in the figure.**

Figure 4-1 will be revised to include the surface water outfalls for these basins. Monitoring wells will not be included on the figure, because groundwater data will be included in the RFI report for the Group I SWMUs. In addition the RFI report will include data from sediment and surface water samples collected in drainage ditches that are located in the vicinity of SWMU 50. The purpose of including these data in the RFI report is to avoid redundant presentation of data and provide a single assessment of potential adverse impacts from the former landfills (SWMUs 2 though 5) and SWMU 50.

4. **Section 4.4 (Preliminary Risk Evaluation) Under the subsection for surface water the document indicates on p. 4-20 that the FSWQS for arsenic is 36 $\mu g/\ell$, and on p.4-22 that there is no FSWQS for zinc. The FSWQS for total arsenic is 50 $\mu g/\ell$ and for zinc is 86 $\mu g/\ell$.**

Under the subsection for sediment (p. 4-22 - 4-25) many of the constituents are evaluated based upon the FDEP sediment quality assessment guidelines (SQAGs) no observed effects level (NOEL) (MacDonald, 1993). The contaminants include benzo (a) anthracene, chrysene, fluoranthene, pyrene, antimony, cadmium, lead and silver. These values have been updated and a copy of the new SQAGs is attached. We also recommend screening based upon the threshold effects level (TEL) rather then the NOEL value. The TEL is more equivalent to the NOAA effects range low (ER-L) values.

In addition to constituents already evaluated, benzo (a) pyrene, arsenic, and copper should be included in the evaluations. The TEL was exceeded for benzo (a) pyrene at sampling station SD05, and for arsenic and copper at SD02.

Also, on p. 4-25 the document indicates a sampling station in the St. Johns River was used as background. We question the St. Johns River station as being appropriate as this is a contiguous open water system entirely different than SWMU 50.

Corrections will be made to correct discrepancies between text, tables and figures. The final RFA report will use the Florida Surface Water Quality Standards for arsenic of 50 $\mu g/\ell$ and 86 $\mu g/\ell$ for zinc. At the time the draft RFA report was prepared, the Approach to the Assessment of Sediment Quality in Florida Coastal Waters (MacDonald, 1994), was not available. However, in the final RFA SV report the screening values are those published in MacDonald 1994, including the TELs, and in the National Oceanic and Atmospheric Administration (NOAA) document entitled; *Incidence of Adverse Biological*

Effects within Ranges of Chemical Concentrations in Marine and Estuarine Sediments (Long and others, 1993). Tables and text for sediment samples collected at SWMU 50 will be amended to reflect these comparison of the analytical data to bench mark concentrations in these two references.

The selection of a background sampling location is always difficult and controversial. The purpose of a background sample is to identify chemicals that are naturally occurring and introduced through man's activities. The selection of background sampling locations at NAVSTA Mayport is particularly difficult in that almost the entire facility has been created from material dredged from Mayport Turning Basin. The collection of surface water and sediment samples from the St. Johns River and Mayport Turning Basin were conducted to provide data from a similar environment from which SWMU 50 was constructed. However, it should be noted that long and short term comparability of the analytical data may be biased because of the routine dredging of both the St. Johns River and Mayport Turning Basin, variations in water quality with tidal fluctuations, and season of the year.

Response to FDEP Comments in Correspondence Dated August 21, 1995

1. **The term "benchmark values" is used frequently. Please insert a brief explanation of the meaning of the term.**

   The term "benchmark values" is used to generically refer to human health or ecological based chemical concentrations for individual chemicals that have been used in the preliminary risk evaluation of analytes detected in surface and subsurface soil, surface water and sediment, and groundwater samples. The source of the benchmark values are discussed in the findings section for each SWMU. The sources of the benchmark values are included in the reference section of this response to comments and in the Group I and II RFA report.

2. **Section 4.5.2: add small mammals such as racoons, foxes etc. to this section.**

   The last sentence of the fourth bullet on page 4-13 will be revised to include mammals and reptiles and will be stated as follows. These areas are viable habitat for small mammals, reptiles and birds.

3. **Beryllium is misspelled in Table C-3.**

   Comment acknowledged, the table will be amended.

4. **Tables C-3, C-8 and C-9 refer to units as mg/ℓ; they should be mg/kg.**

   Comment acknowledged, the tables will be amended.

5. **The SWMU number on Table C-7 is missing.**

   Comment acknowledged, SWMU 28 will be added to the table.

6. **The response to comments by the Natural Resource Trustee (section 2.3 and 2.4) incorrectly refer to the Technical Review Section.**

   Comment acknowledged, the text will be amended to indicate Natural Resource Trustee.